Williamsburg Bridgeview Apartments

337 BERRY STREET

BROOKLYN, NEW YORK

Preliminary Remedial Investigation Report

NYC VCP Site Number: 16CVCP037K

OER Project Number: 15EHAZ471K

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
COC	Contaminant of Concern
CPP	Citizen Participation Plan
DER-10	New York State Department of Environmental Conservation Technical Guide 10
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC OER	New York City Office of Environmental Remediation
NYSDOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
PRIR	Preliminary Remedial Investigation Report
SCO	Soil Cleanup Objective

CERTIFICATION

I, Robert L. Jackson, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Preliminary Remedial Investigation for the Berry Avenue/S 5th Street, (OER Project Number 15EHAZ471K and VCP Site Number 16CVCP037K). I am responsible for the content of this Preliminary Remedial Investigation Report (PRIR), have reviewed its contents and certify that this PRIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Robert L. Jackson, P.E.	January 27, 2016	_____
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 337 Berry and 95-105 S 5th Streets in the Williamsburg section in Brooklyn, New York and is identified as Block 2443 and Lot 6 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 15,420-square feet and is bounded by residential/commercial sites to the north, a site under construction and S 5th St. to the south, the commercial building to the east, and Berry St. to the west. A map of the site boundary is shown in Figure 2. Currently, the Site consists of a vacant, approximately 10,000-square foot one-story commercial warehouse building on the north side of the site and undeveloped vegetated land on the south side of the side.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of an affordable housing residential building and parking lot. Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-2/R6 which includes manufacturing and residential use. The proposed use is consistent with existing zoning for the property.

The development project consists of a new 11 story, 68,625 gross square foot building, including residential, retail, a roof garden for residents and community facility. The building will be approximately 168 feet tall. The project will be 100% affordable residential housing for families making no more than 60% of the area median income. The 55 apartment units will consist of (12) Studios, (15) 1BRs, (27) 2BRs, and (1) 3BR. The ground floor will include frontage on South 5th Street with 3,823 square foot of retail space and a 1,053 square foot community facility. Areas of the property not improved by the building will be improved either with a paved parking lot or landscaping. The building will occupy approximately 8,300 feet of the approximately 15,420 square foot site. The building will have a full cellar in the northeast corner only.

The proposed development will include parking with an entrance from Berry St. and several small planting areas at each end of the parking area and one recreation area approximately 370 square feet in size at grade at the northeast corner of the proposed building.

The estimated depth of excavation is 13 feet below grade and will not go below the water table. The excavation will be for the installation of the foundation, utilities, and the small basement. Approximately

3,750 cubic yards of soil (275 for the parking area and 3,480 for the building) will be excavated for the proposed development.

Demolition of the existing building will be required for the proposed development. The demolition will be conducted in accordance with appropriate rules and regulation in New York City and State.

Summary of Past Uses of Site and Areas of Concern

The historical use of the subject property has been for both residential and commercial/government use. Dating back to 1887, the northern portion of the Site has been used for a wagon and auto shed, owned or operated by the Water Purveyors Bureau and Dept. City Works, storage, and the City of N.Y. Dept. of Correction Garage, and the City of New York Landmark's Preservation Commission Salvage Warehouse. The southern portion of the Site has been used as residential, warehouse, and an auto body shop since 1887. The property is currently owned by the City of New York.

There were no AOCs identified on the subject property in the most recent Phase I Environmental Site Assessment completed in 2013.

Summary of the Work Performed under the Preliminary Remedial Investigation

The Preliminary Remedial Investigation (PRI) was completed in two phases in October 2015 and December 2015/January 2016. The PRI consisted of the following activities:

- Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
- Conducted a surface geophysical survey of the Site to identify any buried objects (tanks, foundation walls, utilities, etc.)
- Initially installed seven (7) soil borings across the entire project Site, and collected fourteen (14) soil samples for chemical analysis from the soil borings to evaluate soil quality. Five (5) additional soil borings were installed and five soil samples were collected during the second phase of the PRI.
- Initially installed six (6) soil vapor probes across the Site and collected six (6) samples for chemical analysis. Five additional soil vapor points were installed and five samples collected during the second phase of the PRI.
- During the second phase of the PRI, four (4) groundwater monitoring wells were installed throughout the site to establish groundwater flow direction and four (4) groundwater samples were collected for chemical analysis to evaluate groundwater quality.

- Collected Quality Assurance, Quality Control (QA/QC) soil samples in the form of one duplicate and one field blank soil sample.

Summary of Environmental Findings

The following is a summary of the findings of the PRI regarding hydrogeology and the nature and extent of contamination at the Site.

1. Elevation of the property is approximately 45 feet above mean sea level and is relatively flat.

2. Four of the initial soil borings met refusal at a depth of approximately 20 feet bgs.

3. The stratigraphy of the site, from the surface down, consists of 2-feet of historic fill material followed by varying thicknesses of well graded sand/silt (fine to medium sand) and well graded fine grain sand. Several of the borings; SB1-, SB-4, SB-5, and SB-7 contained medium grain sand and gravel. In borings SB-4 through SB-7, refusal was hit at approximately 20 feet.

4. The soil sampling analytical results were compared to New York State Department of Environmental Conservation (NYSDEC) Part 375 Table 375-6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs). Several VOCs were detected at trace concentrations. Tetrachloroethylene (PCE) and trichloroethylene (TCE) were each detected in five of samples collected from borings SB-1, SB-2, and SB-3. PCE was detected at a maximum concentration of 0.0031 mg/kg and TCE was detected at a maximum concentration of 0.0073 mg/kg, both below the Unrestricted Use SCOs. The additional soil sampling performed, confirmed the presence of trace concentrations of VOCs. Acetone and methylene chloride, benzene in two shallow soil samples, and toluene in one deep soil sample were also detected but below Unrestricted Use SCOs. No other VOCs were detected. Several SVOCs were detected in the samples; however, the only SVOCs detected above the Restricted Residential Use SCOs were benzaldehyde (maximum [max] 1.39 mg/kg), benzo(a)anthracene (max 1.25 mg/kg), benzo(a)pyrene (max 1.62 mg/kg), and indeno(1,2,3-cd)pyrene (max 0.957 mg/kg) in two shallow soil samples. Several pesticides were detected in the shallow soil samples but at concentrations below the Restricted Residential Use SCOs. Total PCBs were detected in one shallow soil sample at 0.496 mg/kg, which is below the Restricted Residential Use SCO. Several metals were detected but only mercury at 0.97 mg/kg in one shallow soil sample exceeded the Restricted Residential Use SCOs.

5. Soil vapor samples collected during the PRI were compared to the New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (10/06) Matrix 1 and 2 values. Approximately 30 compounds, many of which were chlorinated, were detected in varying levels of concentrations in the eleven samples. Tetrachloroethylene (PCE) was detected in all of the

samples and exceeded the guidance criteria at four locations sampled in 10/15 in concentrations ranging from142 to 2,870 $\mu g/m^3$. Trichloroethylene (TCE) was detected in all of the samples collected in both phases of the PRI and exceeded the guidance criteria at all locations in concentrations ranging from 18 to 3,510 $\mu g/m^3$. Carbon tetrachloride was detected in two samples at concentrations below the guidance criteria. 1,1,1-trichloroethane (1,1,1-TCA) was detected in all of the 10/15 samples and exceeded the guidance value at two locations at concentrations of 213 and 278 $\mu g/m^3$. Additional soil vapor sampling within the interior of the building revealed similar results. All supplemental sampling results wells exceeded regulatory guidance criteria for TCE and contained trace amounts of PCE.

6. Four groundwater samples were collected; three inside and one outside the building. The exterior well was at the southwest end of the site along S. 5th Street. The monitoring wells were advanced to approximately 55-60 feet with an approximate depth to water of 45-50 feet bgs. Groundwater samples exceeded regulatory groundwater criteria for PCE and TCE with the exception of TCE in MW-4. Iron, sodium, selenium, and manganese were identified within the samples above regulatory limits for groundwater.

PRELIMINARY REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKROUND

LPC Development Group LLC (LPC) has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate an approximately 1/3-acre site located at 337 Berry Street and 95-105 S 5th Street in the Williamsburg section of Brooklyn, New York. Mixed commercial/residential use is proposed for the property. The PRI work was performed between October 19, and January 5, 2016. This PRIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 337 Berry and 95-105 S 5th Streets in the Williamsburg section in Brooklyn, New York and is identified as Block 2443 and Lot 6 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 15,420-square feet and is bounded by residential/commercial sites to the north, a site under construction and S 5th St. to the south, the commercial building to the east, and Berry St. to the west. A map of the site boundary is shown in Figure 2. Currently, the Site consists of a vacant, approximately 10,000-square foot one-story commercial warehouse building on the north side of the site and undeveloped vegetated land on the south side of the side.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of an affordable housing residential building and parking lot. Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-2/R6 which includes manufacturing and residential use. The proposed use is consistent with existing zoning for the property.

The development project consists of a new 11 story, 68,625 gross square foot building, including residential, retail, a roof garden for residents and community facility. The building will be approximately 168 feet tall. The project will be 100% affordable residential housing for families making no more than 60% of the area median income. The 55 apartment units will consist of (12) Studios, (15) 1BRs, (27) 2BRs, and (1) 3BR. The ground floor will include frontage on South 5th Street with 3,823 square foot of retail space and a 1,053 square foot community facility. Areas of the property not improved by the building will be improved either with a paved parking lot or landscaping. The building will occupy approximately 8,300 feet of the approximately 15,420 square foot site. The building will have a full cellar in the northeast corner only.

The proposed development will include parking with an entrance from Berry St. and several small planting areas at each end of the parking area and one recreation area approximately 370 square feet in size at grade at the northeast corner of the proposed building.

The estimated depth of excavation is 13 feet below grade and will not go below the water table. The excavation will be for the installation of the foundation, utilities, and the small basement. Approximately 3,750 cubic yards of soil (275 for the parking area and 3,480 for the building) will be excavated for the proposed development.

Demolition of the existing building will be required for the proposed development. The demolition will be conducted in accordance with appropriate rules and regulation in New York City and State.

1.3 Description of Surrounding Property

The area surrounding the Site is relatively flat and consists of primarily residential and commercial or mixed use properties. Many of the lots are developed with multi-family buildings. The Williamsburg Bridge is immediately across South 5th and there is currently construction on the adjacent lot at the corner of Berry and S 5th streets as well as north across Berry St. Figure 4 shows the surrounding land usage within a 500 foot radius of the Site. According to OER's *SPEED* application, no schools, hospitals, or day care facilities are located within a 500-foot radius of the Site.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The historical use of the subject property has been for both residential and commercial/government use. Dating back to 1887, the northern portion of the Site has been used for a wagon and auto shed, owned or operated by the Water Purveyors Bureau and Dept. City Works, storage, and the City of N.Y. Dept. of Correction Garage, and the City of New York Landmark's Preservation Commission Salvage Warehouse. The southern portion of the Site has been used as residential, warehouse, and an auto body shop since 1887. The property is currently owned by the City of New York.

2.2 Previous Investigations

A Phase I Environmental Site Assessment was conducted for the property by Hillman Consulting for MDG Design & Construction, LLC in August 2013. No Recognized Environmental Concerns (RECs) were identified and no further action was recommended for the subject property. The Phase 1 Environmental Site Assessment Report is presented in Appendix A.

A geotechnical investigation was also completed onsite in November 2013 by Soil Mechanics Drilling Corporation. The investigation included advancing five (5) soil borings to a total depth of 30 to 37 feet without encountering groundwater.

A soil percolation test was also completed onsite on March 2015 by Pillori Associates. One soil boring was advanced to a total depth of 50 feet and groundwater was not encountered. These studies are provided in Appendix A with the Phase I.

2.3 Site Inspection

The site inspection was conducted by Robert L. Jackson, P.E. on 10/19/15. The vacant portion of the Site consisted small mounds of soil, rocks, bricks and other debris including a 15-20 foot steel I-beam deposited onsite from the construction on the adjacent lot. The lot was covered with vegetation.

The building at the north side of the Site is a 2-story brick building that is currently vacant. There are steel and wooden frames or structures remaining from the previous operations. There is also a small basement in the northwest corner of the site where the utilities enter the building. There were some grease stains on the floor. There is an overhead door entrance to the building on Berry St.

2.4 Areas of Concern

There were no known Areas of Concern (AOCs) on the subject property based on the Phase I ESA.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this PRIR is Robert L. Jackson, P.E. He is the Project Manager and has over 30 years of experience in conducting site investigations.

3.2 Health and Safety

All work described in this PRI was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. The site Health and Safety Plan (HASP) is provided in Appendix B.

3.3 Materials Management

All material encountered during the PRI was managed in accordance with applicable laws and regulations. All downhole equipment was dedicated to a single soil boring and properly disposed of upon completion of the PRI. Soil cuttings were returned to the boring where they were generated. Soil cuttings and purge water from the monitoring well installation were placed in 55 gallon drums and remain onsite inside the building. Cored concrete was left inside the building as it is scheduled for demolition in the very near future. The only items left onsite following the PRI were the dedicated soil vapor points and associated tubing to collect the soil-vapor samples.

4.0 PRELIMINARY REMEDIAL INVESTIGATION ACTIVITIES

Equity on behalf of LPC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a surface geophysical survey of the Site to identify any buried objects (tanks, foundation walls, utilities, etc.)
3. Initially installed seven (7) soil borings across the entire project Site, and collected fourteen (14) soil samples for chemical analysis from the soil borings to evaluate soil quality. Five (5) additional soil borings were installed and five samples were collected during the second phase of the PRI.
4. Initially installed six (6) soil vapor probes across the Site and collected six (6) samples for chemical analysis. Five additional soil vapor points were installed and five soil vapor samples were collected during the second phase of the PRI.
5. During the second phase of the PRI, four (4) groundwater monitoring wells were installed throughout the site to establish groundwater flow direction and four (4) groundwater samples were collected for chemical analysis to evaluate groundwater quality.
6. Collected Quality Assurance, Quality Control (QA/QC) soil samples in the form of one duplicate and one field blank soil sample.

4.1 Geophysical Investigation

The surface geophysics survey of the site was conducted by Utility Survey Corporation (USC) using ground penetrating radar (GPR) and a magnetometer both inside and outside the building. The survey was inconclusive with respect to finding any buried utility lines, tanks, etc. Inside the building, the survey detected areas within the concrete floor that contained large amounts of reinforcing steel.

4.2 Soil Borings and Monitoring Wells

Drilling and Soil Logging

The soil borings were installed using a direct-push drill rig. Samples were collected in 5-foot long macro-cores for all borings. The soil was logged with respect to amount recovered, color, PID readings, lithology, staining, and odors. The information was recorded in the field log-book and included in the soil boring logs provided in Appendix C. The soil boring locations were measured against fixed point on the site which was used to locate them on the site map shown in Figure 5.

Groundwater Monitoring Well Construction

The monitoring wells were installed using a sonic drill rig. Drilling continued approximately 8-10 feet after groundwater was encountered. Well screens installed straddled the static water level by approximately 2 feet. Well construction for MW-1, 2 and 4 consisted of 10 foot well screens of Schedule-40, 2" PVC (20 slot) and Filpro well grade #2 sand around the exterior of the well screen to at least 2-feet above the sand. MW-4 consisted of a 15-foot well screen with identical construction to MW-1, 2 and 4. A bentonite plug was installed above the sand and a slurry mixture was used to fill the remainder of the annular space above the bentonite plug. The wells were finished with approximately 18 inches of concrete and flush-mount covers. The monitoring wells were installed from 55-60 bgs with an average depth to water from 45-50 feet bgs. The soils recovered ranged from fine to coarse sand with silt and fine to coarse sand. Bedrock was encountered at different depths at each well with the exception of MW-1, where bedrock was not observed.

The soil was logged with respect to amount recovered, color, PID readings, lithology, staining, and odors. The information was recorded in the field log-book and included in the monitoring well logs provided in Appendix D. The monitoring wells were surveyed for horizontal location and elevation. Boring and well construction logs were prepared by an environmental scientist and are attached in Appendix D.

4.3 Sample Collection and Chemical Analysis

The Phase I Environmental Site Assessment did not reveal any Areas of Concern (AOCs) onsite. There were no anomalies detected during the surface geophysics survey. Therefore, the sampling locations were distributed to cover the entire site. Soil, soil vapor, and groundwater have been sampled and evaluated in the PRIR. Discrete (grab) samples were collected for soil analysis from each boring from predetermined depth intervals unless field observations indicated samples should be biased at a different depth. The soil and soil vapor samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this PRIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Fourteen initial soil samples were collected for chemical analysis during this PRI. The samples were collected on 10/26 and 12/15. The samples were collected from 0-2 feet and 2-4 feet intervals below the concrete slab inside the building and from 0-2 feet and 12-14 feet below grade surface outside the building. Figure 5 shows the location of samples collected in this investigation.

The soil samples were collected from the drill rig using dedicated plastic scoops and placed immediately into the appropriate sample containers. The samples were analyzed for VOCs SVOCs, pesticides, PCBs and metals. The VOC samples were collected using Encore® samplers. The samples were maintained under proper chain of custody procedures until delivered to the analytical laboratory.

Five additional soil samples were collected for VOC analysis during the second phase of the PRI. The samples were collected on December 16, 2015. The samples were collected from the 0-2 feet interval below the concrete slab inside the building. One duplicate sample was also collected. Figure 5 shows the location of samples collected in this investigation.

The soil samples were collected with a direct-push drill rig. The VOC samples were collected in appropriate sample containers. The samples were maintained under proper chain of custody procedures until delivered to the analytical laboratory. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 3.

Soil Vapor Sampling

Six (6) soil vapor probes were installed to a depth of approximately 14 feet bgs and six (6) soil vapor samples were collected for chemical analysis during this PRI. Additionally, five (5) sub-slab soil vapor probes were installed to a depth of approximately 2 feet bgs and five (5) soil vapor samples were collected for chemical analysis during the second phase of the PRI. Soil vapor sampling locations are shown in Figure 5. The soil vapor probes were installed using the direct-push drill rig with a dedicated point. The sample tubing was inserted and the boring filled with sand and grout to the surface in accordance with the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.* Helium was used as a tracer to determine if there was a sufficient seal to collect the soil vapor samples. The samples were maintained under proper chain of custody procedures until delivered to the analytical laboratory.

Groundwater Sampling

Four (4) monitoring wells were installed to a depth of approximately 55 feet bgs and four (4) groundwater samples were collected for chemical analysis during. A duplicate, equipment and trip blank sample were collected during the sampling event. The samples were collected following low-flow sampling procedures on January 5, 2016. The samples were collected using a Pump-Blad SampPro and a Controller/Compressor QED MP50. They were collected from the 45-55 foot interval below the concrete slab inside the building. The wells were purged until the appropriate field parameters reflected steady-state conditions. A Horiba U-52 Water Quality Meter was used to collect groundwater field parameters during purging and immediately after samples were collected. Figure 5 shows the location of samples collected in this investigation. Groundwater analytical results are reported in Table 5. Sampling logs with information on purging and sampling of groundwater monitor wells are included in Appendix D.

Chemical Analysis

Chemical analytical work was conducted by New York State ELAP laboratory Accutest under the coordination of Robert Jackson who also served as the Quality Assurance Officer for the project.

Results of Chemical Analyses

Laboratory data for soil, soil vapor and groundwater are summarized in Tables 3, 4 and 5, respectively. Full laboratory data deliverables for all samples evaluated in this PRIR are provided in digital form in Appendices E, F and G respectively.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

On October 26 - 27, 2015, Zebra Environmental constructed seven (7) soil borings (e.g. SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, and SB-7) via Direct Push technology which were advanced from 15 to 30 feet bgs. Fill material was observed throughout all borings from approximately 0-2 feet bgs. Soils on-site consisted of well graded sand with silt (ranging from fine to coarse sands) and well graded fine sand. Small to medium sized gravel was observed throughout soil borings SB-1, SB-4, SB-5 and SB-7. Bedrock was not confirmed, but it should be noted that for SB-4, SB-5, SB-6, and SB-7 refusal was encountered at an approximate depth of twenty (20) feet bgs. Groundwater was not encountered during the drilling event at the subject property. All soil boring logs are included in Appendix C. All soil boring locations are depicted on Figure 5.

Hydrogeology

Groundwater was not encountered during the initial phase of the PRI because of refusal at approximately 30 in several borings using a direct-push drill rig. During the second phase of the PRI, groundwater was encountered at approximately 45 feet bgs using s sonic drill rig. Based on the water elevation, the direction of groundwater flow is to the west towards the East River which is downhill from the subject property.

5.2 Soil Chemistry

A total of 14 soil samples were collected from the seven (7) soil borings initially installed onsite. Low levels of VOCs detected in the soil samples none of which were above the regulatory limit. There were a number of SVOCs that were detected in low concentrations. The SVOCs in relatively high concentrations, namely Polyaromatic Hydrocarbons (PAHs) were detected above the Unrestricted, Residential and Restricted Residential SCOs in SB-5 and SB-7. All of the samples with exceedances were collected in the surficial (0-2 foot) samples.

The additional five soil samples collected during the second phase of the PRI were analyzed for VOCs only and did not contain any contaminants above the applicable NY criteria.

Several pesticides were also detected above the Unrestricted SCOs. These samples were also from the surficial samples in borings SB-4 thru SB-7 and did not exceed the Residential and Restricted Residential SCOs. PCB aroclors 1254 and 1260 were both detected in a surficial sample outside the building in SB-7 above the Unrestricted SCO only.

Numerous metals were detected in the soil samples collected. Four metals (iron, lead, mercury, and zinc) were detected in the soil in both the surficial and deeper samples and one metal (copper) was detected in a surficial sample that exceeded one or more regulatory limits. Iron, copper and lead consistently were above the Residential SCO. The concentrations of these metals are consistent with New York City fill material. Six samples had mercury concentrations above the Unrestricted SCO both inside and outside the building but below the Residential and Restricted Residential SCOs. Three samples had zinc concentrations above the Unrestricted SCO outside the onsite building but below the Residential and Restricted Residential SCOs.

Data collected during the PRI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 3. Figure 6 shows the contaminants that exceeded the Unrestricted and/or Residential Restricted Use standards.

5.3 Soil Vapor Chemistry

Six (6) soil vapor samples were collected in accordance with the requirements in the most current NYSDOH guidance. The results of the soil vapor samples were compared to the New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (10/06) Matrix 1 and 2 values. Approximately 30 compounds, many of which were chlorinated, were detected in varying levels of concentrations in the six samples. 1,1,1-Trichloroethane (1,1,1-TCA) and Tetrachloroethylene (PCE) were detected in at least one sample above the regulatory limit. Trichloroethylene (TCE) was detected above the regulatory limit in all six (6) samples. In the parking lot area the concentrations were three orders of magnitude higher. The highest concentrations of PCE, TCE and 1,1,1-TCE are located where the proposed development parking lot will be constructed.

There was a problem with sampling equipment for SG-5 and the vacuum was functioning incorrectly. The results of SG-5 are presented for discussion purposes only and the data is not considered valid.

Five (5) additional soil vapor samples were collected during the second phase of the PRI. Tricholorethylene (TCE) was detected above the regulatory limits in all five (5) samples with the exception of MW-3. Tetrachloroethylene was detected in four (4) of the samples with concentrations below the regulatory limits. 1,1,1-TCA was also detected in several samples but below the criteria.

Data collected during the PRI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 4. Figure 7 shows the soil vapor concentrations that are above the NYSDOH criteria.

5.4 Groundwater Chemistry

Four (4) groundwater samples were collected throughout the interior of the building and proximate to the gated exterior area near the sidewalk on S. 5th Street. The monitoring wells were advanced to approximately 55-60 feet with an approximate depth to water of 45-50 feet bgs. The monitoring wells were constructed using a sonic drill rig. Groundwater samples exceed regulatory groundwater guidelines for PCE and TCE with the exception of TCE in MW-4, which displayed concentrations below the regulatory limits. Several metals were detected in the groundwater samples. Iron, sodium, silver, and manganese were identified within the samples above regulatory limits for groundwater. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 5. Figure 8 shows the groundwater concentrations that are above the NYSDOH criteria.

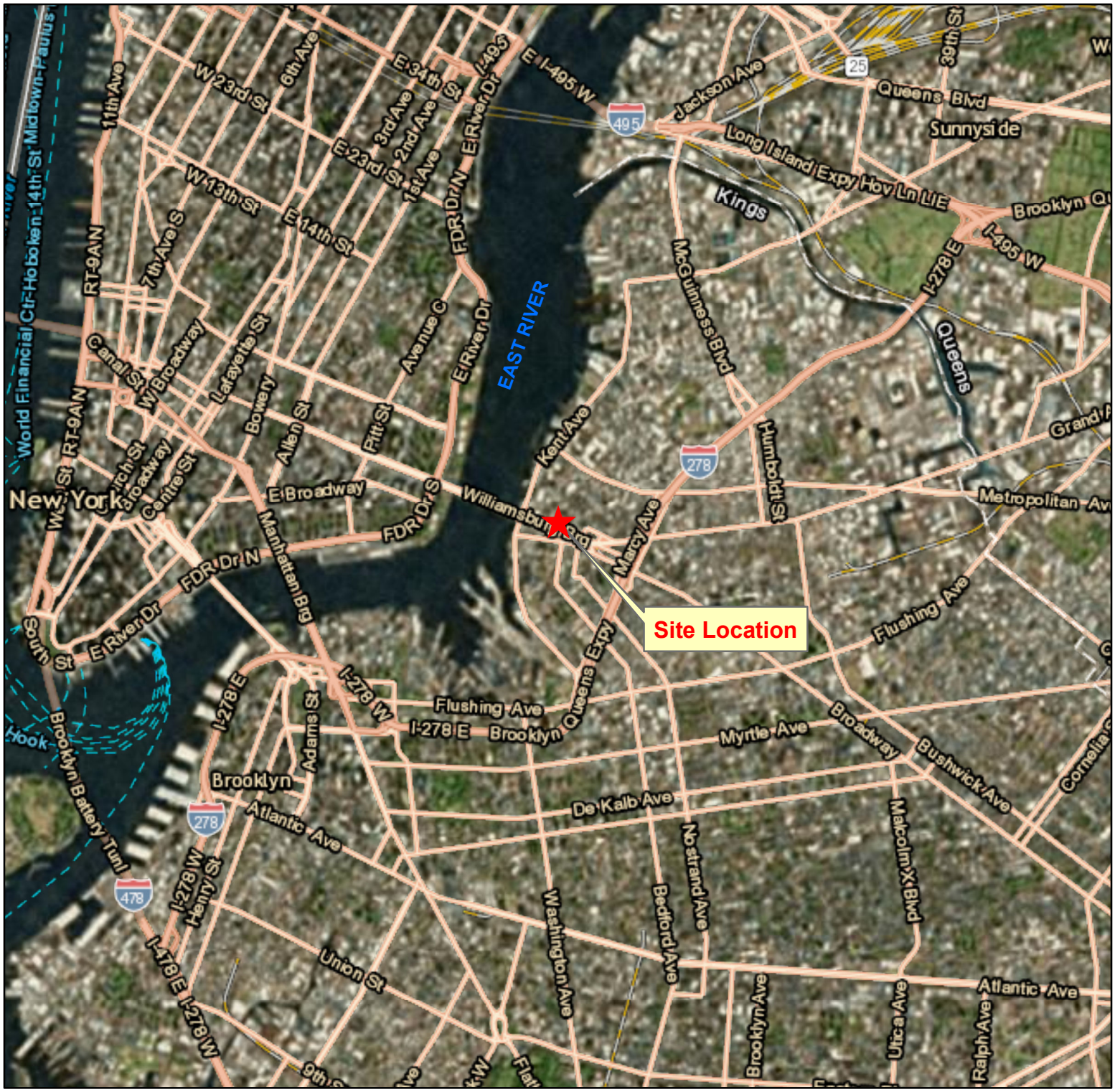
5.5 Prior Activity

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

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property. The existing building will be demolished leaving the site open for the required remediation and proposed construction.

Figures



Notes: Aerial basemap provided by Esri, HERE, DeLorme, TomTom, MapmyIndia, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo;
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0 1,400 2,800 5,600 8,400 11,200 Feet

1 inch = 5,000 feet

N

FIGURE 1
SITE LOCATION MAP

337 Berry St. & 99-105 South 5th St.
(Block 2443 / Lots 6, 37, 41)
Brooklyn, New York

equity environmental engineering
500 International Drive, Suite 150, Mount Olive, NJ 07828
Office: (973) 527-7451 / Fax: (973) 858-0280

DRAWN BY/ DATE	CHK/DATE	DRAWING NUMBER
NG / 10-28-15		2015059-01

0 40 80 160 240 320 Feet

1 inch = 208 feet

FIGURE 2
SITE BOUNDARY MAP

337 Berry St. & 99-105 South 5th St.
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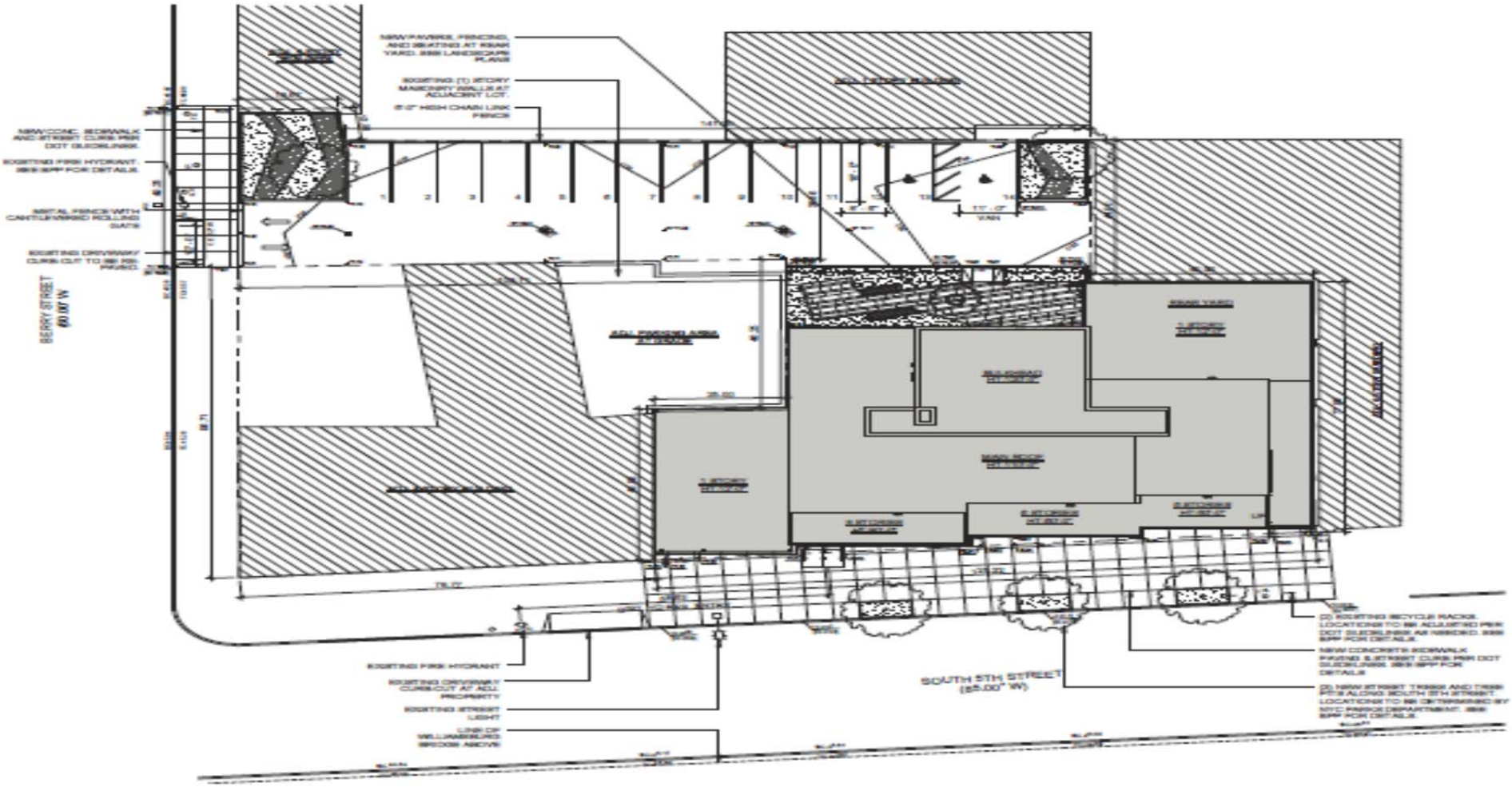

Note: Drawing is not drawn to scale. Original drawing copied from "Figure 5: Proposed Site Plan" created by Dattner Architects, D.P.C.

FIGURE 3
DEVELOPMENT PLAN

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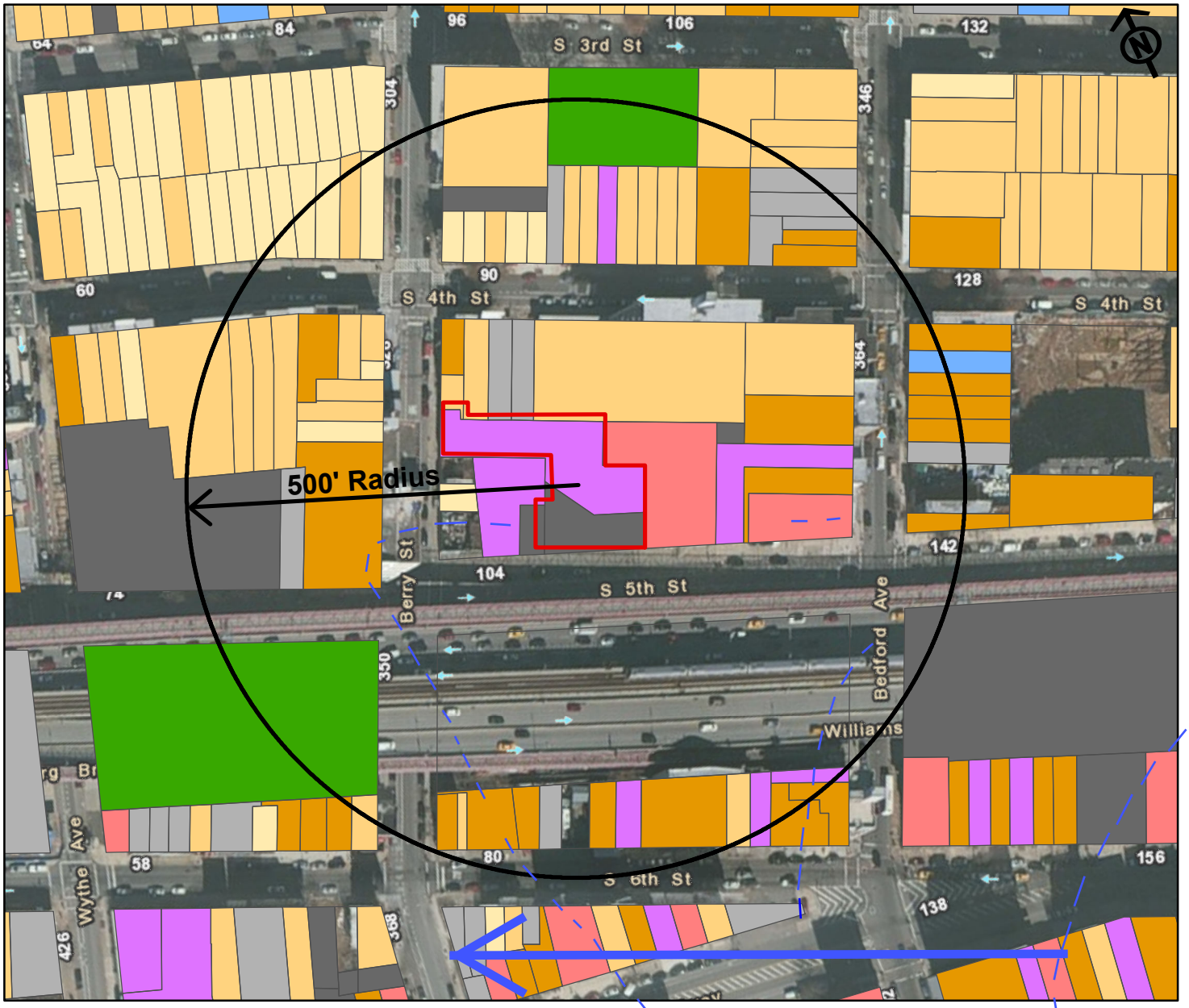

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0 37.5 75 150 225 300 Feet
1 inch = 204 feet

Legend

- Property Boundary
- Vacant Land
- Parking
- Public Facility / Institution
- Industrial / Manufacturing
- Commercial / Office
- Mixed Residential & Commercial
- Multi-Family Residential
- One & Two Family Residential
- Parks & Recreation

FIGURE 4
LAND USE MAP

337 Berry St. & 99-105 South 5th St.
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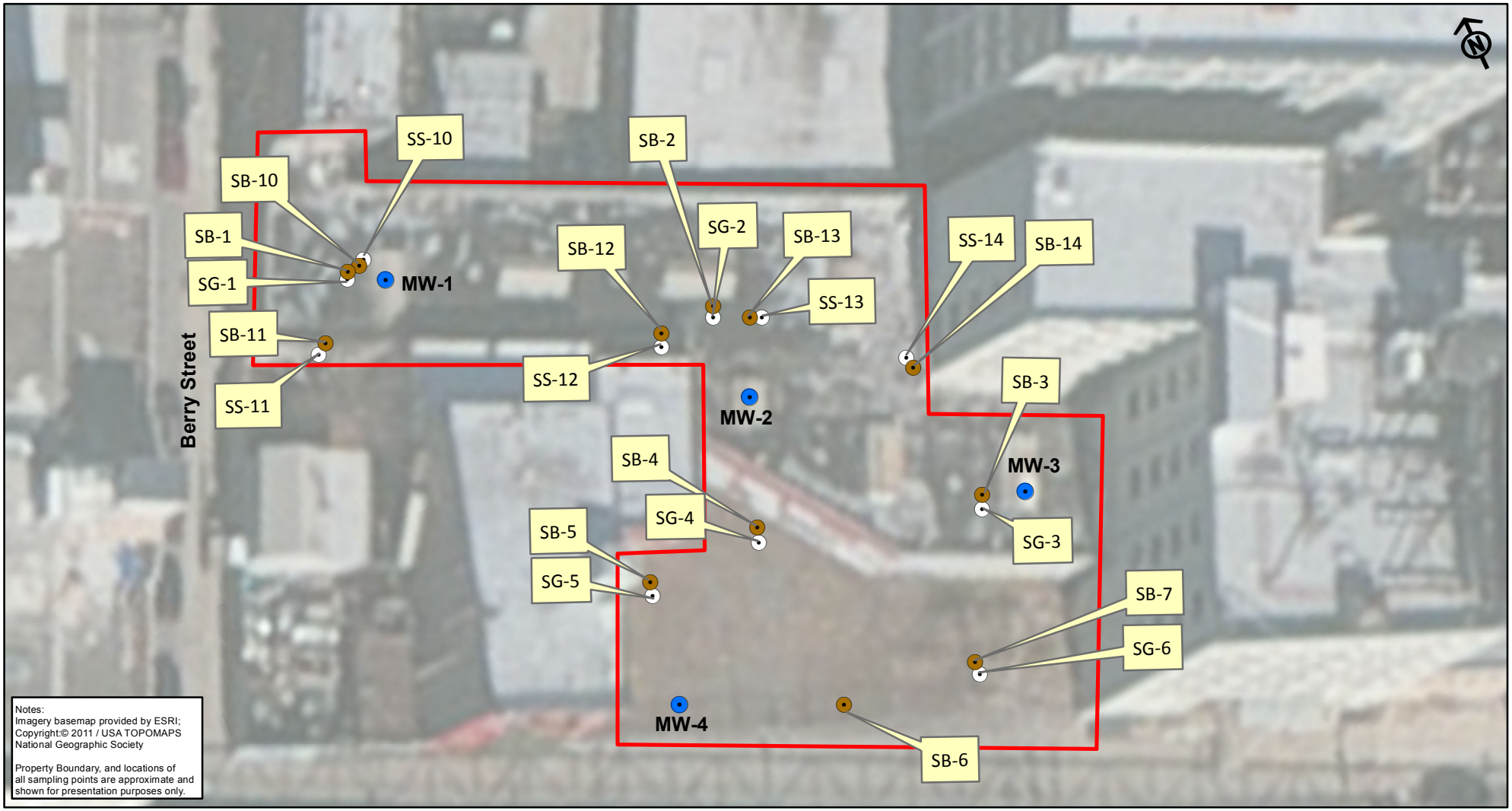

Legend

- Soil Boring
- Soil Vapor Sample Point
- Groundwater Monitoring Well
- Property Boundary

FIGURE 5
SAMPLING LOCATION PLAN

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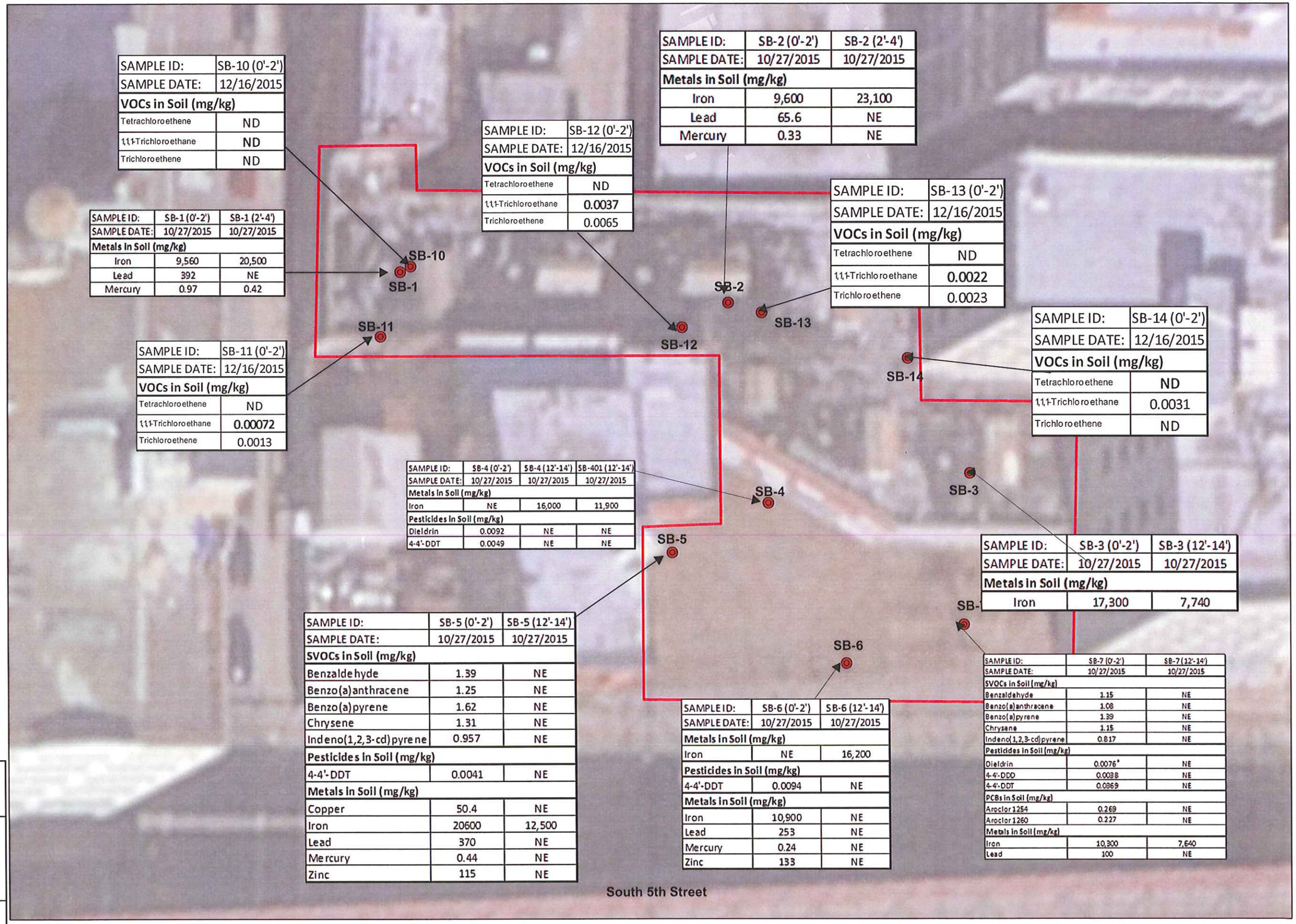

SAMPLE ID:	SB-10 (0'-2')
SAMPLE DATE:	12/16/2015
VOCs in Soil (mg/kg)	
Tetrachloroethene	ND
1,1,1-Trichloroethane	ND
Trichloroethene	ND

SAMPLE ID:	SB-1 (0'-2')	SB-1 (2'-4')
SAMPLE DATE:	10/27/2015	10/27/2015
Metals in Soil (mg/kg)		
Iron	9,560	20,500
Lead	392	NE
Mercury	0.97	0.42

SAMPLE ID:	SB-11 (0'-2')
SAMPLE DATE:	12/16/2015
VOCs in Soil (mg/kg)	
Tetrachloroethene	ND
1,1,1-Trichloroethane	0.00072
Trichloroethene	0.0013

SAMPLE ID:	SB-12 (0'-2')
SAMPLE DATE:	12/16/2015
VOCs in Soil (mg/kg)	
Tetrachloroethene	ND
1,1,1-Trichloroethane	0.0037
Trichloroethene	0.0065

SAMPLE ID:	SB-2 (0'-2')	SB-2 (2'-4')
SAMPLE DATE:	10/27/2015	10/27/2015
Metals in Soil (mg/kg)		
Iron	9,600	23,100
Lead	65.6	NE
Mercury	0.33	NE

SAMPLE ID:	SB-13 (0'-2')
SAMPLE DATE:	12/16/2015
VOCs in Soil (mg/kg)	
Tetrachloroethene	ND
1,1,1-Trichloroethane	0.0022
Trichloroethene	0.0023

SAMPLE ID:	SB-14 (0'-2')
SAMPLE DATE:	12/16/2015
VOCs in Soil (mg/kg)	
Tetrachloroethene	ND
1,1,1-Trichloroethane	0.0031
Trichloroethene	ND

SAMPLE ID:	SB-4 (0'-2')	SB-4 (12'-14')	SB-401 (12'-14')
SAMPLE DATE:	10/27/2015	10/27/2015	10/27/2015
Metals in Soil (mg/kg)			
Iron	NE	16,000	11,900
Pesticides in Soil (mg/kg)			
Dieldrin	0.0092	NE	NE
4-4'-DDT	0.0049	NE	NE

SAMPLE ID:	SB-3 (0'-2')	SB-3 (12'-14')
SAMPLE DATE:	10/27/2015	10/27/2015
Metals in Soil (mg/kg)		
Iron	17,300	7,740

SAMPLE ID:	SB-5 (0'-2')	SB-5 (12'-14')
SAMPLE DATE:	10/27/2015	10/27/2015
SVOCs in Soil (mg/kg)		
Benzaldehyde	1.39	NE
Benzo(a)anthracene	1.25	NE
Benzo(a)pyrene	1.62	NE
Chrysene	1.31	NE
Indeno(1,2,3-cd)pyrene	0.957	NE
Pesticides in Soil (mg/kg)		
4-4'-DDT	0.0041	NE
Metals in Soil (mg/kg)		
Copper	50.4	NE
Iron	20600	12,500
Lead	370	NE
Mercury	0.44	NE
Zinc	115	NE

SAMPLE ID:	SB-6 (0'-2')	SB-6 (12'-14')
SAMPLE DATE:	10/27/2015	10/27/2015
Metals in Soil (mg/kg)		
Iron	NE	16,200
Pesticides in Soil (mg/kg)		
4-4'-DDT	0.0094	NE
Metals in Soil (mg/kg)		
Iron	10,900	NE
Lead	253	NE
Mercury	0.24	NE
Zinc	133	NE

SAMPLE ID:	SB-7 (0'-2')	SB-7 (12'-14')
SAMPLE DATE:	10/27/2015	10/27/2015
SVOCs in Soil (mg/kg)		
Benzaldehyde	1.15	NE
Benzo(a)anthracene	1.08	NE
Benzo(a)pyrene	1.39	NE
Chrysene	1.15	NE
Indeno(1,2,3-cd)pyrene	0.817	NE
Pesticides in Soil (mg/kg)		
Dieldrin	0.0076*	NE
4-4'-DDD	0.0038	NE
4-4'-DDT	0.0969	NE
PCBs in Soil (mg/kg)		
Aroclor 1254	0.269	NE
Aroclor 1260	0.227	NE
Metals in Soil (mg/kg)		
Iron	10,300	7,640
Lead	100	NE

Legend

- Installed Soil Boring (SB)
- Property Boundary

0 10 20 40 60 80 Feet

1 inch = 33 feet

Notes:
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Property Boundary, and locations of all sampling points are approximate and shown for presentation purposes only.

FIGURE 6
SOIL CHEMISTRY RESULTS

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Brooklyn, New York

equity environmental engineering
500 International Drive, Suite 150, Mount Olive, NJ 07828
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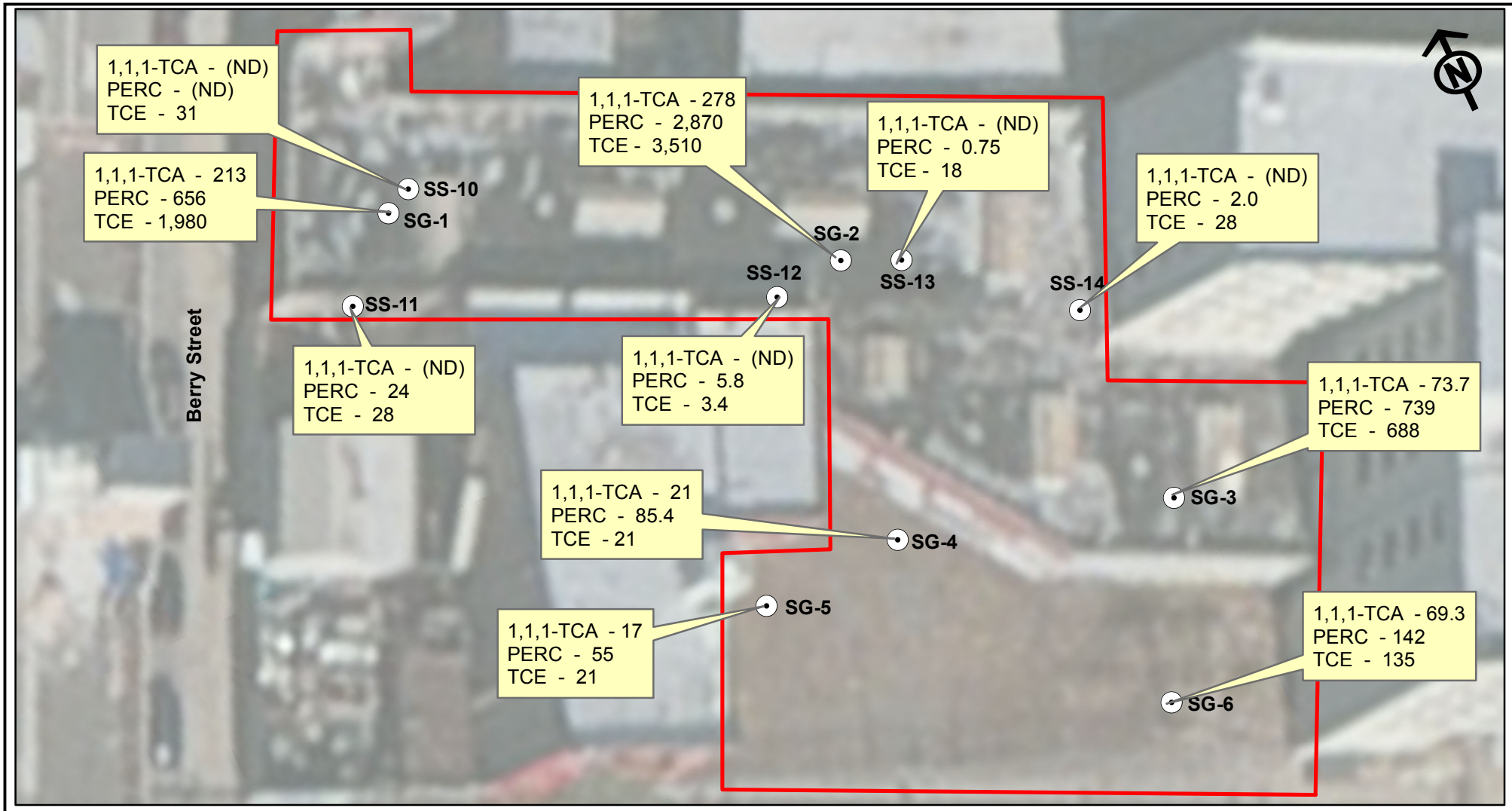

Notes:
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Property Boundary, and locations of all sampling points are approximate and shown for presentation purposes only.

All units of soil vapor chemistry results are ug/m^3.

Legend

Property Boundary

Soil Vapor Sample Results (ug/m^3)

TCA - Trichloroethane
PERC - Tetrachloroethylene
TCE - Trichloroethylene

Figure 7
Soil Vapor Chemistry Results

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Brooklyn, New York

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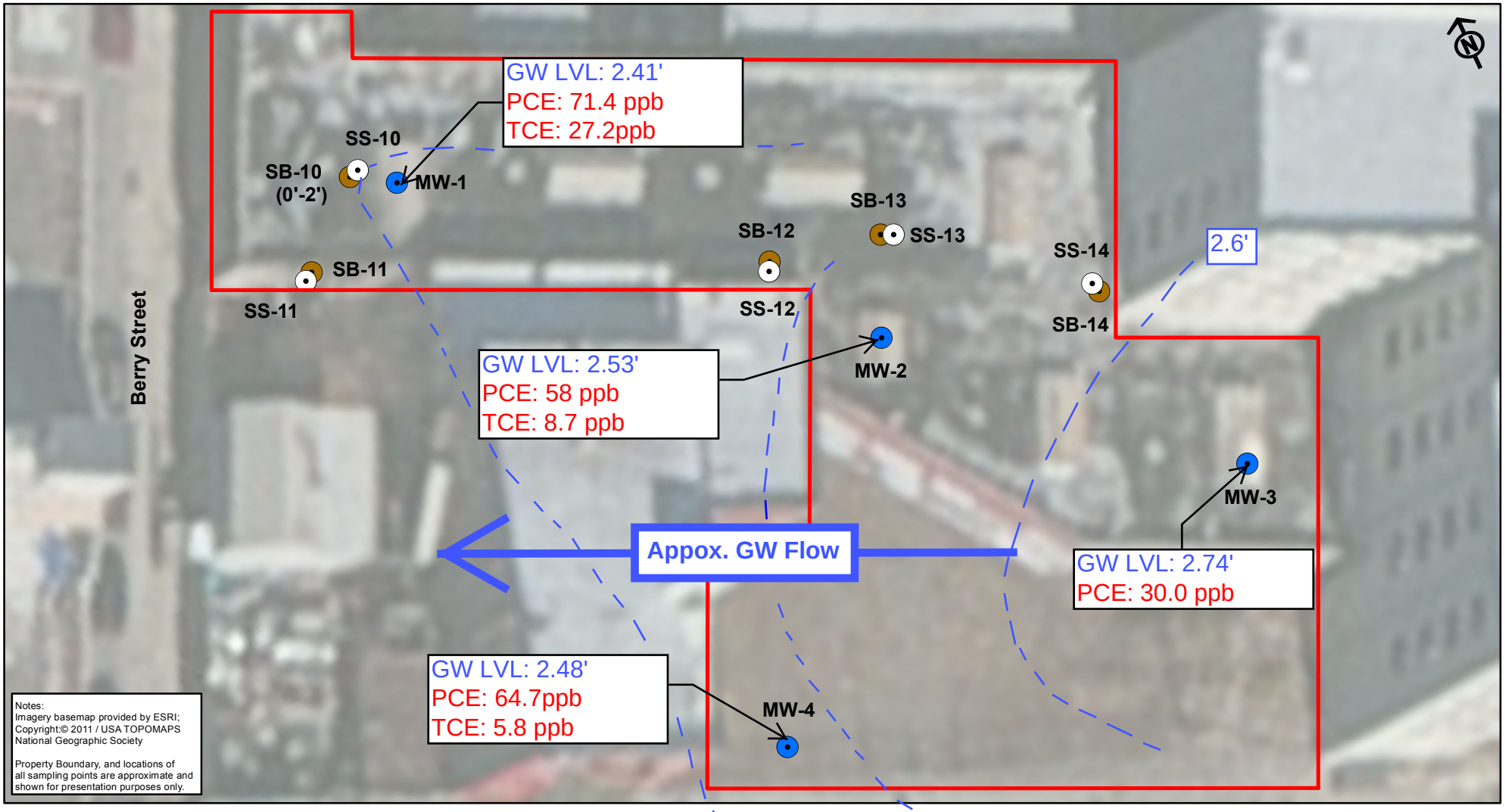

2.4'

2.5'

Legend

- Property Boundary
- Soil Vapor Sample Point (SS)
- Soil Boring
- Groundwater Monitoring Well

FIGURE 8
MAP OF GROUNDWATER
CHEMISTRY RESULTS

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Tables

Table 1

Analytical Methods Summary Table

Matrix	Number of Samples	Analytical parameters measured	Analytical methods	Number of duplicate samples	Number and type of QA/QC samples
Soil	19	TCL VOCs TCL SVOCs TCLP Pesticides PCBs TAL metals	EPA 8260C EPA 8270D EPA 8081B EPA 8082A EPA 6010C	2	2 Field Blanks
Soil vapor	11	VOCs	EPA TO-15	0	0
Groundwater	4	TCL VOCs TCL SVOCs TCLP Pesticides PCBs TAL metals (total and dissolved)	EPA 8260C EPA 8270D EPA 8081B EPA 8082A EPA 6010C	1	1 trip blank 1 field blank

Table 2
VOCs in Soil

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	FB-1	SB-1 (0'-2')	SB-1 (2'-4')	SB-2 (0'-2')	SB-2 (2'-4')	SB-3 (0'-2')	SB-3 (12'-14')	SB-4 (0'-2')	SB-4 (12'-14')	SB-401 (12'-14')	SB-5 (0'-2')	SB-5 (12'-14')	SB-6 (0'-2')	SB-6 (12'-14')	SB-7 (0'-2')	SB-7 (12'-14')
Lab Sample ID:					JC7112-10	JC7278-1	JC7278-2	JC7278-3	JC7278-4	JC7278-5	JC7278-6	JC7112-5	JC7112-6	JC7112-7	JC7112-1	JC7112-2	JC7112-3	JC7112-4	JC7112-8	JC7112-9
Date Sampled:					10/26/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015
Matrix:					Field Blank Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
VOCs in Soil																				
Acetone	mg/kg	0.05	100	100	ND (3.3)	ND (0.0023)	ND (0.0023)	ND (0.0033)	ND (0.0023)	ND (0.0023)	ND (0.0022)	0.0064 J	ND (0.0019)	ND (0.0020)	0.0059 J	ND (0.0026)	ND (0.0020)	ND (0.0022)	0.0191	0.0061 J
Benzene	mg/kg	0.06	2.9	4.8	ND (0.24)	ND (0.00014)	ND (0.00014)	ND (0.00020)	ND (0.00013)	ND (0.00013)	ND (0.00013)	0.0046	ND (0.00011)	ND (0.00012)	ND (0.00012)	ND (0.00015)	ND (0.00012)	ND (0.00013)	0.0015	ND (0.00014)
Bromochloromethane	mg/kg	-	-	-	ND (0.37)	ND (0.00032)	ND (0.00032)	ND (0.00046)	ND (0.00031)	ND (0.00031)	ND (0.00031)	ND (0.00033)	ND (0.00027)	ND (0.00027)	ND (0.00029)	ND (0.00035)	ND (0.00028)	ND (0.00030)	ND (0.00028)	ND (0.00032)
Bromodichloromethane	mg/kg	-	-	-	ND (0.23)	ND (0.00016)	ND (0.00016)	ND (0.00023)	ND (0.00016)	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00015)	ND (0.00018)	ND (0.00014)	ND (0.00015)	ND (0.00014)	ND (0.00016)
Bromoform	mg/kg	-	-	-	ND (0.23)	ND (0.00024)	ND (0.00025)	ND (0.00035)	ND (0.00024)	ND (0.00024)	ND (0.00023)	ND (0.00025)	ND (0.00020)	ND (0.00021)	ND (0.00022)	ND (0.00027)	ND (0.00021)	ND (0.00023)	ND (0.00021)	ND (0.00025)
Bromomethane	mg/kg	-	-	-	ND (0.42)	ND (0.00037)	ND (0.00038)	ND (0.00054)	ND (0.00037)	ND (0.00037)	ND (0.00036)	ND (0.00038)	ND (0.00031)	ND (0.00032)	ND (0.00034)	ND (0.00042)	ND (0.00033)	ND (0.00036)	ND (0.00033)	ND (0.00038)
2-Butanone (MEK)	mg/kg	0.12	100	100	ND (5.6)	ND (0.0020)	ND (0.0020)	ND (0.0028)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0016)	ND (0.0017)	ND (0.0018)	ND (0.0022)	ND (0.0017)	ND (0.0019)	ND (0.0017)	ND (0.0020)
Carbon disulfide	mg/kg	-	100		ND (0.25)	ND (0.00023)	ND (0.00024)	ND (0.00034)	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00024)	ND (0.00020)	ND (0.00020)	ND (0.00021)	ND (0.00026)	ND (0.00021)	ND (0.00022)	ND (0.00021)	ND (0.00024)
Carbon tetrachloride	mg/kg	0.76	1.4	2.4	ND (0.22)	ND (0.00024)	ND (0.00024)	ND (0.00034)	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00024)	ND (0.00020)	ND (0.00020)	ND (0.00022)	ND (0.00026)	ND (0.00021)	ND (0.00023)	ND (0.00021)	ND (0.00024)
Chlorobenzene	mg/kg	1.1	100	100	ND (0.19)	ND (0.00016)	ND (0.00016)	ND (0.00023)	ND (0.00016)	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00014)	ND (0.00018)	ND (0.00014)	ND (0.00015)	ND (0.00014)	ND (0.00016)
Chloroethane	mg/kg	-			ND (0.34)	ND (0.00049)	ND (0.00050)	ND (0.00071)	ND (0.00049)	ND (0.00049)	ND (0.00048)	ND (0.00051)	ND (0.00041)	ND (0.00043)	ND (0.00045)	ND (0.00055)	ND (0.00043)	ND (0.00047)	ND (0.00043)	ND (0.00050)
Chloroform	mg/kg	0.37	10	49	ND (0.19)	ND (0.00015)	ND (0.00015)	ND (0.00022)	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00016)	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00017)	ND (0.00013)	ND (0.00015)	ND (0.00013)	ND (0.00016)
Chloromethane	mg/kg	-	-	-	ND (0.41)	ND (0.00027)	ND (0.00027)	ND (0.00039)	ND (0.00026)	ND (0.00027)	ND (0.00026)	ND (0.00028)	ND (0.00023)	ND (0.00023)	ND (0.00025)	ND (0.00030)	ND (0.00024)	ND (0.00026)	ND (0.00024)	ND (0.00027)
Cyclohexane	mg/kg	-	-	-	ND (0.28)	ND (0.00032)	ND (0.00033)	ND (0.00047)	ND (0.00032)	ND (0.00032)	ND (0.00031)	ND (0.00033)	ND (0.00027)	ND (0.00028)	ND (0.00030)	ND (0.00036)	ND (0.00029)	ND (0.00031)	ND (0.00028)	ND (0.00033)
1,2-Dibromo-3-chloropropane	mg/kg	-	-	-	ND (0.99)	ND (0.00056)	ND (0.00057)	ND (0.00081)	ND (0.00055)	ND (0.00055)	ND (0.00054)	ND (0.00058)	ND (0.00047)	ND (0.00048)	ND (0.00051)	ND (0.00062)	ND (0.00049)	ND (0.00054)	ND (0.00049)	ND (0.00057)
Dibromochloromethane	mg/kg	-			ND (0.15)	ND (0.00021)	ND (0.00021)	ND (0.00030)	ND (0.00021)	ND (0.00021)	ND (0.00020)	ND (0.00022)	ND (0.00018)	ND (0.00018)	ND (0.00019)	ND (0.00023)	ND (0.00019)	ND (0.00020)	ND (0.00018)	ND (0.00021)
1,2-Dibromoethane	mg/kg	-	-	-	ND (0.23)	ND (0.00013)	ND (0.00014)	ND (0.00019)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00011)	ND (0.00012)	ND (0.00012)	ND (0.00015)	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00014)
1,2-Dichlorobenzene	mg/kg	1.1	100	100	ND (0.19)	ND (0.00013)	ND (0.00013)	ND (0.00018)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00013)	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.00014)	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.00013)
1,3-Dichlorobenzene	mg/kg	2.4	17	49	ND (0.23)	ND (0.00016)	ND (0.00016)	ND (0.00023)	ND (0.00016)	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00018)	ND (0.00014)	ND (0.00015)	ND (0.00014)	ND (0.00016)
1,4-Dichlorobenzene	mg/kg	1.8	9.8	13	ND (0.27)	ND (0.00023)	ND (0.00023)	ND (0.00033)	ND (0.00023)	ND (0.00023)	ND (0.00022)	ND (0.00024)	ND (0.00019)	ND (0.00020)	ND (0.00021)	ND (0.00026)	ND (0.00020)	ND (0.00022)	ND (0.00020)	ND (0.00024)
Dichlorodifluoromethane	mg/kg	-	-	-	ND (0.90)	ND (0.00037)	ND (0.00038)	ND (0.00054)	ND (0.00036)	ND (0.00037)	ND (0.00036)	ND (0.00038)	ND (0.00031)	ND (0.00032)	ND (0.00034)	ND (0.00041)	ND (0.00033)	ND (0.00036)	ND (0.00032)	ND (0.00038)
1,1-Dichloroethane	mg/kg	0.27	19	26	ND (0.17)	ND (0.00014)	ND (0.00015)	ND (0.00021)	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00012)	ND (0.00012)	ND (0.00013)	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00013)	ND (0.00015)
1,2-Dichloroethane	mg/kg	0.02	2.3	3.1	ND (0.18)	ND (0.00014)	ND (0.00014)	ND (0.00020)	ND (0.00014)	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00013)	ND (0.00015)	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00014)
1,1-Dichloroethene	mg/kg	0.33	100	100	ND (0.51)	ND (0.00061)	ND (0.00061)	ND (0.00088)	ND (0.00060)	ND (0.00060)	ND (0.00059)	ND (0.00063)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00068)	ND (0.00053)	ND (0.00058)	ND (0.00053)	ND (0.00062)
cis-1,2-Dichloroethene	mg/kg	0.25	59	100	ND (0.27)	ND (0.00080)	ND (0.00081)	ND (0.0012)	ND (0.00079)	ND (0.00079)	ND (0.00077)	ND (0.00082)	ND (0.00067)	ND (0.00069)	ND (0.00073)	ND (0.00089)	ND (0.00070)	ND (0.00077)	ND (0.00070)	ND (0.00082)
trans-1,2-Dichloroethene	mg/kg	0.19	100	100	ND (0.65)	ND (0.00061)	ND (0.00062)	ND (0.00088)	ND (0.00060)	ND (0.00060)	ND (0.00059)	ND (0.00063)	ND (0.00051)	ND (0.00053)	ND (0.00056)	ND (0.00068)	ND (0.00054)	ND (0.00058)	ND (0.00053)	ND (0.00062)
1,2-Dichloropropane	mg/kg	-			ND (0.39)	ND (0.00024)	ND (0.00025)	ND (0.00035)	ND (0.00024)	ND (0.00024)	ND (0.00024)	ND (0.00025)	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00027)	ND (0.00021)	ND (0.00023)	ND (0.00021)	ND (0.00025)
cis-1,3-Dichloropropene	mg/kg	-	-	-	ND (0.21)	ND (0.00012)	ND (0.00012)	ND (0.00018)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00010)	ND (0.00010)	ND (0.00011)	ND (0.00014)	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.00012)
trans-1,3-Dichloropropene	mg/kg	-	-	-	ND (0.19)	ND (0.00018)	ND (0.00018)	ND (0.00026)	ND (0.00018)	ND (0.00018)	ND (0.00018)	ND (0.00019)	ND (0.00015)	ND (0.00016)	ND (0.00017)	ND (0.00020)	ND (0.00016)	ND (0.00017)	ND (0.00016)	ND (0.00019)
Ethylbenzene	mg/kg	1	30	41	ND (0.27)	ND (0.00017)	ND (0.00017)	ND (0.00024)	ND (0.00016)	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00019)	ND (0.00015)	ND (0.00016)	ND (0.00015)	ND (0.00017)
Freon 113	mg/kg	-	100		ND (0.52)	ND (0.00046)	ND (0.00047)	ND (0.00066)	ND (0.00045)	ND (0.00045)	ND (0.00044)	ND (0.00047)	ND (0.00039)	ND (0.00040)	ND (0.00042)	ND (0.00051)	ND (0.00040)	ND (0.00044)	ND (0.00040)	ND (0.00047)
2-Hexanone	mg/kg	-	-	-	ND (1.7)	ND (0.0014)	ND (0.0014)	ND (0.0020)	ND (0.0014)	ND (0.0014)	ND (0.0013)	ND (0.0014)	ND (0.0012)	ND (0.0012)	ND (0.0013)	ND (0.0015)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0014)
Isopropylbenzene	mg/kg	-	100		ND (0.23)	ND (0.00011)	ND (0.00011)	ND (0.00016)	ND (0.00011)	ND (0.00011)	ND (0.00010)	ND (0.00011)	ND (0.000091)	ND (0.000094)	ND (0.000099)	ND (0.00012)	ND (0.000096)	ND (0.00010)	ND (0.000095)	ND (0.00011)
Methyl Acetate	mg/kg	-	-	-	ND (1.9)	ND (0.00088)	ND (0.00089)	ND (0.0013)	ND (0.00087)	ND (0.00087)	ND (0.00085)	ND (0.00091)	ND (0.00074)	ND (0.00076)	ND (0.00080)	ND (0.00099)	ND (0.00078)	ND (0.00085)	ND (0.00077)	ND (0.00090)
Methylcyclohexane	mg/kg	-	-	-	ND (0.22)	ND (0.00023)	ND (0.00024)	ND (0.00034)	ND (0.00023)	ND (0.00023)	ND (0.00022)	ND (0.00024)	ND (0.00020)	ND (0.00020)	ND (0.00021)	ND (0.00026)	ND (0.00020)	ND (0.00022)	ND (0.00020)	ND (0.00024)
Methyl Tert Butyl Ether	mg/kg	0.93	62	100	ND (0.24)	ND (0.00016)	ND (0.00016)	ND (0.00023)	ND (0.00015)	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00014)	ND (0.00018)	ND (0.00014)	ND (0.00015)	ND (0.00014)	ND (0.00016)
4-Methyl-2-pentanone(MIBK)	mg/kg	-			ND (1.0)	ND (0.00047)	ND (0.00048)	ND (0.00068)	ND (0.00046)	ND (0.00047)	ND (0.00045)	ND (0.00049)	ND (0.00040)	ND (0.00041)	ND (0.00043)	ND (0.00053)	ND (0.00041)	ND (0.00045)	ND (0.00041)	ND (0.00048)
Methylene chloride	mg/kg	0.05	51	100	ND (0.73)	ND (0.0010)	ND (0.0010)	ND (0.0015)	ND (0.00099)	ND (0.0010)	ND (0.00097)	ND (0.0010)	ND (0.00085)	ND (0.00087)	ND (0.00092)	ND (0.0011)	ND (0.00089)	0.0014 J	ND (0.00088)	ND (0.0010)
Styrene	mg/kg	-			ND (0.27)	ND (0.00018)	ND (0.00018)	ND (0.00026)	ND (0.00018)	ND (0.00018)	ND (0.00018)	ND (0.00019)	ND (0.00015)	ND (0.00016)	ND (0.00017)	ND (0.00020)	ND (0.00016)	ND (0.00018)	ND (0.00016)	ND (0.00019)
1,1,2,2-Tetrachloroethane	mg/kg	-	35		ND (0.21)	ND (0.00018)	ND (0.00018)	ND (0.00026)	ND (0.00018)	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00015)	ND (0.00015)	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00017)	ND (0.00016)	ND (0.00018)
Tetrachloroethene	mg/kg	1.3	5.5	19	ND (0.40)	0.0012 J	0.0012 J	0.0031	0.006	0.00035 J	ND (0.00030)	ND (0.00032)	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00034)	ND (0.00027)	ND (0.00030)	ND (0.00027)	ND (0.00032)
Toluene	mg/kg	0.7	100	100	ND (0.16)	ND (0.00021)	ND (0.00022)	ND (0.00031)	ND (0.00021)	ND (0.00021)	ND (0.00021)	0.00056 J	ND (0.00018)	ND (0.00018)	ND (0.00019)	ND (0.00024)	ND (0.00019)	ND (0.00020)	ND (0.00019)	ND (0.00022)
1,2,3-Trichlorobenzene	mg/kg	-			ND (0.23)	ND (0.00018)	ND (0.00018)	ND (0.00026)	ND (0.00018)	ND (0.00018)	ND (0.00017)	ND (0.00019)	ND (0.00015)	ND (0.00016)	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00017)	ND (0.00016)	ND (0.00018)
1,2,4-Trichlorobenzene	mg/kg	-			ND (0.21)	ND (0.00017)	ND (0.00018)	ND (0.00025)	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00015)	ND (0.00016)	ND (0.00016)	ND (0.00019)	ND (0.00015)	ND (0.00017)	ND (0.00015)	ND (0.00018)
1,1,1-Trichloroethane	mg/kg	0.68	100	100	ND (0.25)	ND (0.00015)	ND (0.00015)	ND (0.00022)	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00016)	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00017)	ND (0.00013)	ND (0.00015)	ND (0.00013)	ND (0.00016)
1,1,2-Trichloroethane	mg/kg	-			ND (0.21)	ND (0.00015)	ND (0.00015)	ND (0.00022)	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00016)	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00017)	ND (0.00013)	ND (0.00014)	ND (0.00013)	ND (0.00015)
Trichloroethene	mg/kg	0.47	10	21	ND (0.22)	0.0019	0.001	0.0045	0.0073	0.00041 J	ND (0.00015)	ND (0.00016)	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00017)	ND (0.00013)	ND (0.00014)	ND (0.00013)	ND (0.00015)
Trichlorofluoromethane	mg/kg	-	-	-	ND (0.43)	ND (0.00026)	ND (0.00026)	ND (0.00037)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00026)	ND (0.00021)	ND (0.00022)	ND (0.00023)	ND (0.00029)	ND (0.00022)	ND (0.00025)	ND (0.00022)	ND (0.00026)
Vinyl chloride	mg/kg	0.02	0.21	0.9	ND (0.15)	ND (0.00020)	ND (0.00020)	ND (0.00029)	ND (0.00020)	ND (0.00020)	ND (0.00019)	ND (0.00021)	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00023)	ND (0.00018)	ND (0.00019)	ND (0.00018)	ND (0.00021)
m,p-Xylene	mg/kg	0.26	100	100	ND (0.38)	ND (0.00036)	ND (0.00037)	ND (0.00052)	ND (0.00036)	ND (0.00036)	ND (0.00035)	ND (0.00037)	ND (0.00030)	ND (0.00031)	ND (0.00033)	ND (0.00040)	ND (0.00032)	ND (0.00035)	ND (0.00032)	ND (0.00037)
o-Xylene	mg/kg	0.26	100	100	ND (0.17)	ND (0.00028)	ND (0.00028)	ND (0.00041)	ND (0.00028)	ND (0.00028)	ND (0.00027)	ND (0.00029)	ND (0.00024)	ND (0.00024)	ND (0.00026)	ND (0.00031)	ND (0.00025)	ND (0.00027)	ND (0.00025)	ND (0.00029)
Xylene (total)	mg/kg	0.26	100	100	ND (0.17)	ND (0.00028)	ND (0.00028)	ND (0.00041)	ND (0.00028)	ND (0.00028)	ND (0.00027)	ND (0.00029)	ND (0.00024)	ND (0.00024)	ND (0.00026)	ND (0.00031)	ND (0.00025)	ND (0.00027)	ND (0.00025)	ND (0.00029)

ded cells show detected compounds

Table 2
SVOCs in Soil

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	FB-1	SB-1 (0'-2')	SB-1 (2'-4')	SB-2 (0'-2')	SB-2 (2'-4')	SB-3 (0'-2')	SB-3 (12'-14')	SB-4 (0'-2')	SB-4 (12'-14')	SB-401 (12'-14')	SB-5 (0'-2')	SB-5 (12'-14')	SB-6 (0'-2')	SB-6 (12'-14')	SB-7 (0'-2')	SB-7 (12'-14')
Lab Sample ID:					JC7112-10	JC7278-1	JC7278-2	JC7278-3	JC7278-4	JC7278-5	JC7278-6	JC7112-5	JC7112-6	JC7112-7	JC7112-1	JC7112-2	JC7112-3	JC7112-4	JC7112-8	JC7112-9
Date Sampled:					10/26/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015
Matrix:					Field Blank	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
					Soil															
SVOCs in Soil																				
2-Chlorophenol	mg/kg	-	100		ND (1.3)	ND (0.028)	ND (0.032)	ND (0.026)	ND (0.026)	ND (0.030)	ND (0.025)	ND (0.028)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.025)	ND (0.026)	ND (0.026)	ND (0.024)
4-Chloro-3-methyl phenol	mg/kg	-	-	-	ND (1.3)	ND (0.034)	ND (0.039)	ND (0.032)	ND (0.033)	ND (0.036)	ND (0.031)	ND (0.034)	ND (0.031)	ND (0.030)	ND (0.034)	ND (0.032)	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.029)
2,4-Dichlorophenol	mg/kg	-	100		ND (1.6)	ND (0.030)	ND (0.034)	ND (0.028)	ND (0.029)	ND (0.032)	ND (0.027)	ND (0.030)	ND (0.028)	ND (0.026)	ND (0.030)	ND (0.028)	ND (0.027)	ND (0.028)	ND (0.028)	ND (0.026)
2,4-Dimethylphenol	mg/kg	-	-	-	ND (1.8)	ND (0.069)	ND (0.079)	ND (0.065)	ND (0.066)	ND (0.074)	ND (0.062)	ND (0.069)	ND (0.063)	ND (0.060)	ND (0.068)	ND (0.065)	ND (0.063)	ND (0.064)	ND (0.063)	ND (0.059)
2,4-Dinitrophenol	mg/kg	-	100		ND (6.5)	ND (0.16)	ND (0.19)	ND (0.16)	ND (0.16)	ND (0.18)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)
4,6-Dinitro-o-cresol	mg/kg	-	-	-	ND (1.3)	ND (0.071)	ND (0.082)	ND (0.067)	ND (0.068)	ND (0.077)	ND (0.065)	ND (0.071)	ND (0.066)	ND (0.062)	ND (0.071)	ND (0.067)	ND (0.065)	ND (0.067)	ND (0.066)	ND (0.061)
2-Methylphenol	mg/kg	0.33	100	100	ND (1.3)	ND (0.054)	ND (0.062)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.054)	ND (0.050)	ND (0.048)	ND (0.054)	ND (0.051)	ND (0.050)	ND (0.051)	ND (0.050)	ND (0.046)
3&4-Methylphenol	mg/kg	-	-	-	ND (1.1)	ND (0.036)	ND (0.041)	ND (0.034)	ND (0.034)	ND (0.039)	ND (0.033)	ND (0.036)	ND (0.033)	ND (0.031)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.031)
2-Nitrophenol	mg/kg	-			ND (1.9)	ND (0.035)	ND (0.040)	ND (0.033)	ND (0.033)	ND (0.037)	ND (0.031)	ND (0.035)	ND (0.032)	ND (0.030)	ND (0.034)	ND (0.033)	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.030)
4-Nitrophenol	mg/kg	-			ND (0.91)	ND (0.064)	ND (0.073)	ND (0.060)	ND (0.061)	ND (0.069)	ND (0.058)	ND (0.064)	ND (0.059)	ND (0.056)	ND (0.063)	ND (0.060)	ND (0.058)	ND (0.060)	ND (0.059)	ND (0.054)
Pentachlorophenol	mg/kg	0.8	2.4	6.7	ND (1.4)	ND (0.092)	ND (0.10)	ND (0.087)	ND (0.088)	ND (0.098)	ND (0.083)	ND (0.092)	ND (0.085)	ND (0.080)	ND (0.091)	ND (0.086)	ND (0.083)	ND (0.086)	ND (0.085)	ND (0.078)
Phenol	mg/kg	0.33	100	100	ND (0.55)	ND (0.028)	ND (0.032)	ND (0.027)	ND (0.027)	ND (0.030)	ND (0.025)	ND (0.028)	ND (0.026)	ND (0.025)	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.024)
2,3,4,6-Tetrachlorophenol	mg/kg	-	-	-	ND (1.4)	ND (0.035)	ND (0.040)	ND (0.033)	ND (0.034)	ND (0.038)	ND (0.032)	ND (0.035)	ND (0.033)	ND (0.031)	ND (0.035)	ND (0.033)	ND (0.032)	ND (0.033)	ND (0.033)	ND (0.030)
2,4,5-Trichlorophenol	mg/kg	-	100		ND (1.7)	ND (0.034)	ND (0.039)	ND (0.032)	ND (0.032)	ND (0.036)	ND (0.031)	ND (0.034)	ND (0.031)	ND (0.030)	ND (0.034)	ND (0.032)	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.029)
2,4,6-Trichlorophenol	mg/kg	-			ND (1.5)	ND (0.030)	ND (0.035)	ND (0.029)	ND (0.029)	ND (0.032)	ND (0.027)	ND (0.030)	ND (0.028)	ND (0.026)	ND (0.030)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.026)
Acenaphthene	mg/kg	20	100	100	ND (0.30)	ND (0.035)	ND (0.040)	ND (0.033)	ND (0.034)	ND (0.038)	ND (0.032)	ND (0.035)	ND (0.033)	ND (0.031)	0.17	ND (0.033)	ND (0.032)	ND (0.033)	0.0838	ND (0.030)
Acenaphthylene	mg/kg	100	100	100	ND (0.20)	ND (0.0039)	ND (0.0045)	0.0645	ND (0.0038)	ND (0.0042)	ND (0.0036)	0.0269 J	ND (0.0036)	ND (0.0035)	0.128	ND (0.0037)	0.0198 J	ND (0.0037)	0.122	ND (0.0034)
Acetophenone	mg/kg	-	-	-	ND (0.36)	ND (0.0064)	ND (0.0073)	ND (0.0060)	ND (0.0061)	ND (0.0069)	ND (0.0058)	ND (0.0064)	ND (0.0059)	ND (0.0056)	ND (0.0063)	ND (0.0060)	ND (0.0058)	ND (0.0060)	ND (0.0059)	ND (0.0054)
Anthracene	mg/kg	100	100	100	ND (0.19)	ND (0.0032)	0.0281 J	0.122	ND (0.0031)	ND (0.0035)	ND (0.0029)	0.101	ND (0.0030)	ND (0.0028)	0.487	ND (0.0030)	0.1	ND (0.0030)	0.363	ND (0.0028)
Atrazine	mg/kg	-	-	-	ND (0.42)	ND (0.015)	ND (0.018)	ND (0.015)	ND (0.015)	ND (0.017)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.013)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)
Benzaldehyde	mg/kg	1	1	1	ND (0.67)	0.0153 J	0.137	0.569	ND (0.0069)	0.0323 J	ND (0.0066)	0.288	ND (0.0067)	ND (0.0063)	**1.39**	ND (0.0068)	0.293	ND (0.0068)	**1.15**	ND (0.0062)
Benzo(a)anthracene	mg/kg	1	1	1	ND (0.22)	ND (0.0080)	0.149	0.571	ND (0.0077)	0.0346 J	ND (0.0072)	0.273	ND (0.0074)	ND (0.0070)	**1.25**	ND (0.0075)	0.263	ND (0.0075)	**1.08**	ND (0.0068)
Benzo(a)pyrene	mg/kg	1	1	1	ND (0.24)	0.0261 J	0.178	0.681	ND (0.0074)	0.0475	ND (0.0070)	0.343	ND (0.0071)	ND (0.0068)	**1.62**	ND (0.0073)	0.302	ND (0.0072)	**1.39**	ND (0.0066)
Benzo(b)fluoranthene	mg/kg	100	100	100	ND (0.22)	ND (0.011)	0.0991	0.382	ND (0.011)	0.0247 J	ND (0.010)	0.177	ND (0.010)	ND (0.0099)	0.843	ND (0.011)	0.147	ND (0.011)	0.765	ND (0.0096)
Benzo(g,h,i)perylene	mg/kg	0.8	1	3.9	ND (0.31)	ND (0.0084)	0.0554	0.256	ND (0.0080)	0.0212 J	ND (0.0076)	0.125	ND (0.0077)	ND (0.0073)	0.572	ND (0.0079)	0.123	ND (0.0078)	0.442	ND (0.0071)
Benzo(k)fluoranthene	mg/kg	-	-	-	ND (0.22)	ND (0.0086)	ND (0.0098)	ND (0.0081)	ND (0.0082)	ND (0.0092)	ND (0.0078)	ND (0.0086)	ND (0.0079)	ND (0.0075)	ND (0.0085)	ND (0.0080)	ND (0.0078)	ND (0.0080)	ND (0.0079)	ND (0.0073)
4-Bromophenyl phenyl ether	mg/kg	-	100		ND (0.25)	ND (0.020)	ND (0.023)	ND (0.019)	ND (0.019)	ND (0.022)	ND (0.018)	0.0389 J	ND (0.019)	ND (0.018)	0.174	ND (0.019)	ND (0.018)	ND (0.019)	0.274	ND (0.017)
Butyl benzyl phthalate	mg/kg	-			ND (0.22)	0.0153 J	ND (0.0079)	ND (0.0066)	ND (0.0067)	ND (0.0075)	ND (0.0063)	ND (0.0069)	ND (0.0064)	ND (0.0061)	ND (0.0069)	ND (0.0065)	ND (0.0063)	ND (0.0065)	ND (0.0064)	ND (0.0059)
1,1'-Biphenyl	mg/kg	-	-	-	ND (0.27)	ND (0.0094)	ND (0.011)	ND (0.0089)	ND (0.0090)	ND (0.010)	ND (0.0085)	ND (0.0094)	ND (0.0087)	ND (0.0082)	ND (0.0093)	ND (0.0088)	ND (0.0085)	ND (0.0088)	ND (0.0087)	ND (0.0080)
2-Chloronaphthalene	mg/kg	-	-	-	ND (0.34)	ND (0.0054)	ND (0.0061)	ND (0.0051)	ND (0.0051)	ND (0.0058)	ND (0.0049)	ND (0.0054)	ND (0.0050)	ND (0.0047)	ND (0.0053)	ND (0.0050)	ND (0.0049)	ND (0.0050)	ND (0.0050)	ND (0.0046)
4-Chloroaniline	mg/kg	-	100		ND (0.30)	ND (0.010)	ND (0.011)	ND (0.0094)	ND (0.0095)	ND (0.011)	ND (0.0090)	ND (0.010)	ND (0.0092)	ND (0.0087)	ND (0.0099)	ND (0.0093)	ND (0.0091)	ND (0.0093)	ND (0.0092)	ND (0.0085)
Carbazole	mg/kg	-	-	-	ND (0.17)	ND (0.0042)	ND (0.0048)	0.0371 J	ND (0.0040)	ND (0.0045)	ND (0.0038)	0.0223 J	ND (0.0039)	ND (0.0036)	0.268	ND (0.0039)	0.0450 J	ND (0.0039)	0.131	ND (0.0036)
Caprolactam	mg/kg	-	-	-	ND (0.41)	ND (0.024)	ND (0.028)	0.0546 J	ND (0.023)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.022)	ND (0.021)	ND (0.024)	ND (0.023)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Chrysene	mg/kg	1	1	3.9	ND (0.16)	0.0234 J	0.141	0.539	ND (0.0058)	0.0317 J	ND (0.0055)	0.268	ND (0.0056)	ND (0.0053)	**1.31**	ND (0.0057)	0.288	ND (0.0057)	**1.15**	ND (0.0052)
bis(2-Chloroethoxy) methane	mg/kg	-	-	-	ND (0.42)	ND (0.0085)	ND (0.0097)	ND (0.0081)	ND (0.0082)	ND (0.0092)	ND (0.0077)	ND (0.0085)	ND (0.0079)	ND (0.0075)	ND (0.0085)	ND (0.0080)	ND (0.0078)	ND (0.0080)	ND (0.0079)	ND (0.0073)
bis(2-Chloroethyl)ether	mg/kg	-	-	-	ND (0.43)	ND (0.016)	ND (0.018)	ND (0.015)	ND (0.015)	ND (0.017)	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.013)

Table 2
SVOCs in Soil

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	FB-1	SB-1 (0'-2')	SB-1 (2'-4')	SB-2 (0'-2')	SB-2 (2'-4')	SB-3 (0'-2')	SB-3 (12'-14')	SB-4 (0'-2')	SB-4 (12'-14')	SB-401 (12'-14')	SB-5 (0'-2')	SB-5 (12'-14')	SB-6 (0'-2')	SB-6 (12'-14')	SB-7 (0'-2')	SB-7 (12'-14')
Lab Sample ID:					JC7112-10	JC7278-1	JC7278-2	JC7278-3	JC7278-4	JC7278-5	JC7278-6	JC7112-5	JC7112-6	JC7112-7	JC7112-1	JC7112-2	JC7112-3	JC7112-4	JC7112-8	JC7112-9
Date Sampled:					10/26/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015
Matrix:					Field Blank	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
					Soil															
bis(2-Chloroisopropyl)ether	mg/kg	-	-	-	ND (0.41)	ND (0.0086)	ND (0.0098)	ND (0.0081)	ND (0.0082)	ND (0.0092)	ND (0.0078)	ND (0.0086)	ND (0.0079)	ND (0.0075)	ND (0.0085)	ND (0.0081)	ND (0.0078)	ND (0.0081)	ND (0.0079)	ND (0.0073)
4-Chlorophenyl phenyl ether	mg/kg	-	-	-	ND (0.38)	ND (0.0071)	ND (0.0081)	ND (0.0067)	ND (0.0068)	ND (0.0076)	ND (0.0064)	ND (0.0071)	ND (0.0065)	ND (0.0062)	ND (0.0070)	ND (0.0066)	ND (0.0064)	ND (0.0066)	ND (0.0065)	ND (0.0060)
2,4-Dinitrotoluene	mg/kg	-	-	-	ND (0.32)	ND (0.0071)	ND (0.0081)	ND (0.0067)	ND (0.0068)	ND (0.0076)	ND (0.0064)	ND (0.0071)	ND (0.0065)	ND (0.0062)	ND (0.0070)	ND (0.0066)	ND (0.0064)	ND (0.0066)	ND (0.0065)	ND (0.0060)
2,6-Dinitrotoluene	mg/kg	-	1.03		ND (0.26)	ND (0.0097)	ND (0.011)	ND (0.0092)	ND (0.0093)	ND (0.010)	ND (0.0088)	ND (0.0097)	ND (0.0089)	ND (0.0085)	ND (0.0096)	ND (0.0091)	ND (0.0088)	ND (0.0091)	ND (0.0089)	ND (0.0083)
3,3'-Dichlorobenzidine	mg/kg	-	-	-	ND (0.56)	ND (0.025)	ND (0.028)	ND (0.023)	ND (0.024)	ND (0.026)	ND (0.022)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.024)	ND (0.023)	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.021)
1,4-Dioxane	mg/kg	0.1	9.8	13	ND (0.72)	ND (0.025)	ND (0.029)	ND (0.024)	ND (0.024)	ND (0.027)	ND (0.023)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.025)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.022)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	ND (0.28)	ND (0.013)	0.0272 J	0.0988	ND (0.013)	ND (0.014)	ND (0.012)	0.0536	ND (0.012)	ND (0.012)	0.235	ND (0.013)	0.041	ND (0.013)	0.202	ND (0.011)
Dibenzofuran	mg/kg	7	14	59	ND (0.23)	ND (0.0052)	ND (0.0060)	0.0175 J	ND (0.0050)	ND (0.0056)	ND (0.0047)	ND (0.0052)	ND (0.0048)	ND (0.0046)	0.116	ND (0.0049)	0.0223 J	ND (0.0049)	0.0477 J	ND (0.0045)
Di-n-butyl phthalate	mg/kg	-	100		ND (0.58)	ND (0.0044)	ND (0.0051)	ND (0.0042)	ND (0.0042)	ND (0.0048)	ND (0.0040)	ND (0.0044)	ND (0.0041)	ND (0.0039)	ND (0.0044)	ND (0.0042)	ND (0.0040)	ND (0.0042)	0.228	ND (0.0038)
Di-n-octyl phthalate	mg/kg	-	100		ND (0.25)	ND (0.0051)	ND (0.0058)	ND (0.0048)	ND (0.0049)	ND (0.0054)	ND (0.0046)	ND (0.0051)	ND (0.0047)	ND (0.0044)	ND (0.0050)	ND (0.0048)	ND (0.0046)	ND (0.0048)	ND (0.0047)	ND (0.0043)
Diethyl phthalate	mg/kg	-	100		ND (0.23)	ND (0.0048)	ND (0.0055)	ND (0.0045)	ND (0.0046)	ND (0.0051)	ND (0.0043)	ND (0.0048)	ND (0.0044)	ND (0.0042)	ND (0.0047)	ND (0.0045)	ND (0.0043)	ND (0.0045)	ND (0.0044)	ND (0.0041)
Dimethyl phthalate	mg/kg	-	100		ND (0.26)	ND (0.0054)	ND (0.0061)	ND (0.0051)	ND (0.0051)	ND (0.0058)	ND (0.0049)	ND (0.0054)	ND (0.0050)	ND (0.0047)	ND (0.0053)	ND (0.0050)	ND (0.0049)	ND (0.0050)	ND (0.0050)	ND (0.0046)
bis(2-Ethylhexyl)phthalate	mg/kg	-	50		ND (0.55)	ND (0.013)	ND (0.015)	ND (0.012)	ND (0.013)	ND (0.014)	ND (0.012)	0.0671 J	ND (0.012)	ND (0.011)	0.0789	ND (0.012)	ND (0.012)	ND (0.012)	0.577	ND (0.011)
Fluoranthene	mg/kg	100	100	100	ND (0.16)	0.0255 J	0.317	1.1	ND (0.0044)	0.0423	ND (0.0042)	0.487	ND (0.0042)	ND (0.0040)	2.89	ND (0.0043)	0.541	ND (0.0043)	2.14	ND (0.0039)
Fluorene	mg/kg	30	100	100	ND (0.27)	ND (0.0045)	ND (0.0051)	0.0249 J	ND (0.0043)	ND (0.0048)	ND (0.0040)	0.0199 J	ND (0.0041)	ND (0.0039)	0.188	ND (0.0042)	0.0344	ND (0.0042)	0.0972	ND (0.0038)
Hexachlorobenzene	mg/kg	0.33	0.41	1.2	ND (0.46)	ND (0.0074)	ND (0.0085)	ND (0.0070)	ND (0.0071)	ND (0.0079)	ND (0.0067)	ND (0.0074)	ND (0.0068)	ND (0.0065)	ND (0.0073)	ND (0.0069)	ND (0.0067)	ND (0.0069)	ND (0.0068)	ND (0.0063)
Hexachlorobutadiene	mg/kg	-	-	-	ND (0.39)	ND (0.010)	ND (0.011)	ND (0.0094)	ND (0.0095)	ND (0.011)	ND (0.0090)	ND (0.010)	ND (0.0092)	ND (0.0087)	ND (0.0099)	ND (0.0093)	ND (0.0091)	ND (0.0093)	ND (0.0092)	ND (0.0085)
Hexachlorocyclopentadiene	mg/kg	-			ND (0.48)	ND (0.060)	ND (0.068)	ND (0.056)	ND (0.057)	ND (0.064)	ND (0.054)	ND (0.060)	ND (0.055)	ND (0.052)	ND (0.059)	ND (0.056)	ND (0.054)	ND (0.056)	ND (0.055)	ND (0.051)
Hexachloroethane	mg/kg	-	-	-	ND (0.29)	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	ND (0.40)	ND (0.019)	0.0947	0.407	ND (0.019)	0.0325 J	ND (0.018)	0.186	ND (0.018)	ND (0.017)	**0.957**	ND (0.018)	0.164	ND (0.018)	**0.817**	ND (0.017)
Isophorone	mg/kg	-	100		ND (0.34)	ND (0.0070)	ND (0.0080)	ND (0.0066)	ND (0.0067)	ND (0.0075)	ND (0.0064)	ND (0.0070)	ND (0.0065)	ND (0.0061)	ND (0.0070)	ND (0.0066)	ND (0.0064)	ND (0.0066)	ND (0.0065)	ND (0.0060)
2-Methylnaphthalene	mg/kg	-	0.41		ND (0.29)	ND (0.0070)	ND (0.0080)	ND (0.0066)	ND (0.0067)	ND (0.0075)	ND (0.0064)	ND (0.0070)	ND (0.0065)	ND (0.0061)	0.0466 J	ND (0.0066)	ND (0.0064)	ND (0.0066)	0.0235 J	ND (0.0060)
2-Nitroaniline	mg/kg	-			ND (0.32)	ND (0.0085)	ND (0.0097)	ND (0.0081)	ND (0.0082)	ND (0.0092)	ND (0.0077)	ND (0.0085)	ND (0.0079)	ND (0.0075)	ND (0.0085)	ND (0.0080)	ND (0.0078)	ND (0.0080)	ND (0.0079)	ND (0.0073)
3-Nitroaniline	mg/kg	-			ND (0.26)	ND (0.011)	ND (0.012)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.0097)	ND (0.011)	ND (0.0099)	ND (0.0093)	ND (0.011)	ND (0.010)	ND (0.0097)	ND (0.010)	ND (0.0098)	ND (0.0091)
4-Nitroaniline	mg/kg	-	-	-	ND (0.30)	ND (0.013)	ND (0.014)	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)
Naphthalene	mg/kg	12	100	100	ND (0.27)	ND (0.0060)	ND (0.0069)	0.0319 J	ND (0.0058)	ND (0.0065)	ND (0.0054)	ND (0.0060)	ND (0.0056)	ND (0.0053)	0.089	ND (0.0056)	0.0186 J	ND (0.0056)	0.0352	ND (0.0051)
Nitrobenzene	mg/kg	-	3.7	15	ND (0.52)	ND (0.012)	ND (0.014)	ND (0.011)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
N-Nitroso-di-n-propylamine	mg/kg	-	-	-	ND (0.38)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.0098)	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0095)
N-Nitrosodiphenylamine	mg/kg	-			ND (0.21)	ND (0.020)	ND (0.023)	ND (0.019)	ND (0.019)	ND (0.021)	ND (0.018)	ND (0.020)	ND (0.018)	ND (0.017)	ND (0.020)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.017)
Phenanthrene	mg/kg	100	100	100	ND (0.19)	0.0222 J	0.173	0.441	ND (0.0040)	0.0235 J	ND (0.0038)	0.242	ND (0.0039)	ND (0.0036)	2.08	ND (0.0039)	0.421	ND (0.0039)	1.31	ND (0.0036)
Pyrene	mg/kg	100	100	100	ND (0.19)	0.0212 J	0.232	1.03	ND (0.0045)	0.0300 J	ND (0.0043)	0.449	ND (0.0043)	ND (0.0041)	2.37	ND (0.0044)	0.575	ND (0.0044)	2.01	ND (0.0040)
1,2,4,5-Tetrachlorobenzene	mg/kg	-	-	-	ND (0.44)	ND (0.0090)	ND (0.010)	ND (0.0085)	ND (0.0086)	ND (0.0097)	ND (0.0082)	ND (0.0090)	ND (0.0083)	ND (0.0079)	ND (0.0089)	ND (0.0085)	ND (0.0082)	ND (0.0084)	ND (0.0083)	ND (0.0077)

Shaded cells show detected compounds

Shaded cells indciate and exceedance of the regulatory limit

Table 2
Pesticides/PCBS/Metals in Soil

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	FB-1	SB-1 (0'-2')	SB-1 (2'-4')	SB-2 (0'-2')	SB-2 (2'-4')	SB-3 (0'-2')	SB-3 (12'-14')	SB-4 (0'-2')	SB-4 (12'-14')	SB-401 (12'-14')	SB-5 (0'-2')	SB-5 (12'-14')	SB-6 (0'-2')	SB-6 (12'-14')	SB-7 (0'-2')	SB-7 (12'-14')
Lab Sample ID:					JC7112-10	JC7278-1	JC7278-2	JC7278-3	JC7278-4	JC7278-5	JC7278-6	JC7112-5	JC7112-6	JC7112-7	JC7112-1	JC7112-2	JC7112-3	JC7112-4	JC7112-8	JC7112-9
Date Sampled:					10/26/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015
Matrix:					Field Blank	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
					Soil															
Pesticides in Soil																				
Aldrin	mg/kg	0.005	0.019	0.097	ND (0.0042)	ND (0.00066)	ND (0.00072)	ND (0.00063)	ND (0.00065)	ND (0.00069)	ND (0.00062)	ND (0.00067)	ND (0.00063)	ND (0.00061)	ND (0.00066)	ND (0.00064)	ND (0.00064)	ND (0.00063)	ND (0.00059)	ND (0.00059)
alpha-BHC	mg/kg	0.02	0.097	0.48	ND (0.0065)	ND (0.00049)	ND (0.00054)	ND (0.00047)	ND (0.00049)	ND (0.00051)	ND (0.00046)	ND (0.00050)	ND (0.00047)	ND (0.00046)	ND (0.00049)	ND (0.00048)	ND (0.00048)	ND (0.00047)	0.00069 [a]	ND (0.00044)
beta-BHC	mg/kg	0.036	0.072	0.36	ND (0.0086)	ND (0.00045)	ND (0.00050)	ND (0.00043)	ND (0.00045)	ND (0.00047)	ND (0.00043)	ND (0.00046)	ND (0.00044)	ND (0.00042)	ND (0.00046)	ND (0.00044)	ND (0.00044)	ND (0.00044)	ND (0.00041)	ND (0.00041)
delta-BHC	mg/kg	0.04	100	100	ND (0.0064)	ND (0.00029)	ND (0.00032)	ND (0.00028)	ND (0.00029)	ND (0.00030)	ND (0.00027)	ND (0.00030)	ND (0.00028)	ND (0.00027)	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00028)	0.00094 [a]	ND (0.00026)
gamma-BHC (Lindane)	mg/kg	0.1	0.28	1.3	ND (0.0052)	ND (0.00034)	ND (0.00037)	ND (0.00032)	ND (0.00033)	ND (0.00035)	ND (0.00032)	ND (0.00034)	ND (0.00032)	ND (0.00031)	ND (0.00034)	ND (0.00033)	ND (0.00032)	ND (0.00032)	ND (0.00030)	ND (0.00030)
alpha-Chlordane	mg/kg	0.094	0.91	4.2	ND (0.0061)	ND (0.00039)	ND (0.00043)	ND (0.00038)	ND (0.00039)	ND (0.00041)	ND (0.00037)	0.0131 [a]	ND (0.00038)	ND (0.00036)	ND (0.00039)	ND (0.00038)	ND (0.00038)	ND (0.00038)	0.0113 [a]	ND (0.00035)
gamma-Chlordane	mg/kg	-	0.54		ND (0.0050)	ND (0.00056)	ND (0.00062)	ND (0.00054)	ND (0.00056)	ND (0.00059)	ND (0.00053)	0.010 [a]	ND (0.00054)	ND (0.00052)	ND (0.00056)	ND (0.00055)	ND (0.00054)	ND (0.00054)	0.0069 [a]	ND (0.00050)
Dieldrin	mg/kg	0.005	0.039	0.2	ND (0.0050)	ND (0.00058)	ND (0.00063)	ND (0.00055)	ND (0.00057)	ND (0.00060)	ND (0.00054)	**0.0092**	ND (0.00055)	ND (0.00053)	ND (0.00058)	ND (0.00056)	0.0016	ND (0.00055)	**0.0076 [a]**	ND (0.00052)
4,4'-DDD	mg/kg	0.0033	2.6	13	ND (0.0065)	ND (0.00027)	ND (0.00030)	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00026)	ND (0.00028)	ND (0.00026)	ND (0.00025)	ND (0.00027)	ND (0.00027)	ND (0.00026)	ND (0.00026)	**0.0038**	ND (0.00024)
4,4'-DDE	mg/kg	0.0033	1.8	8.9	ND (0.0061)	ND (0.00025)	ND (0.00027)	ND (0.00023)	ND (0.00024)	ND (0.00026)	ND (0.00023)	ND (0.00025)	ND (0.00024)	ND (0.00023)	ND (0.00025)	ND (0.00024)	ND (0.00024)	ND (0.00024)	0.0016 [a]	ND (0.00022)
4,4'-DDT	mg/kg	0.0033	1.7	7.9	ND (0.0051)	ND (0.00028)	ND (0.00031)	0.0017	ND (0.00028)	ND (0.00029)	ND (0.00027)	**0.0049 [a]**	ND (0.00027)	ND (0.00026)	**0.0041 [a]**	ND (0.00027)	**0.0094 [a]**	ND (0.00027)	**0.0369**	ND (0.00025)
Endrin	mg/kg	0.014	2.2	11	ND (0.0045)	ND (0.00026)	ND (0.00029)	ND (0.00025)	ND (0.00026)	ND (0.00027)	ND (0.00025)	ND (0.00027)	ND (0.00025)	ND (0.00024)	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00023)	ND (0.00023)
Endosulfan sulfate	mg/kg	2.4	4.8	24	ND (0.0073)	ND (0.00042)	ND (0.00046)	ND (0.00040)	ND (0.00042)	ND (0.00044)	ND (0.00039)	ND (0.00043)	ND (0.00040)	ND (0.00039)	ND (0.00042)	ND (0.00041)	ND (0.00041)	ND (0.00040)	0.0013 [a]	ND (0.00038)
Endrin aldehyde	mg/kg	-	-	-	ND (0.0073)	ND (0.00055)	ND (0.00060)	ND (0.00052)	ND (0.00054)	ND (0.00057)	ND (0.00052)	ND (0.00056)	ND (0.00053)	ND (0.00051)	ND (0.00055)	ND (0.00053)	ND (0.00053)	ND (0.00053)	ND (0.00049)	ND (0.00049)
Endrin ketone	mg/kg	2.4	4.8	24	ND (0.0047)	ND (0.00024)	ND (0.00027)	ND (0.00023)	ND (0.00024)	ND (0.00025)	ND (0.00023)	ND (0.00025)	ND (0.00023)	ND (0.00022)	ND (0.00024)	ND (0.00024)	ND (0.00023)	ND (0.00023)	ND (0.00022)	ND (0.00022)
Endosulfan-I	mg/kg	2.4	4.8	24	ND (0.0064)	ND (0.00070)	ND (0.00076)	ND (0.00067)	ND (0.00069)	ND (0.00073)	ND (0.00066)	ND (0.00071)	ND (0.00067)	ND (0.00065)	ND (0.00070)	ND (0.00068)	ND (0.00067)	ND (0.00067)	ND (0.00063)	ND (0.00063)
Endosulfan-II	mg/kg	0.042	0.42	2.1	ND (0.0066)	ND (0.00061)	ND (0.00066)	ND (0.00058)	ND (0.00060)	ND (0.00063)	ND (0.00057)	ND (0.00062)	ND (0.00058)	ND (0.00056)	ND (0.00061)	ND (0.00059)	ND (0.00059)	ND (0.00058)	ND (0.00055)	ND (0.00054)
Heptachlor	mg/kg	-	0.077		ND (0.0049)	ND (0.00030)	ND (0.00033)	ND (0.00029)	ND (0.00030)	ND (0.00032)	ND (0.00029)	ND (0.00031)	ND (0.00029)	ND (0.00028)	ND (0.00030)	ND (0.00030)	ND (0.00029)	ND (0.00029)	0.0037 [a]	ND (0.00027)
Heptachlor epoxide	mg/kg	-	100		ND (0.0082)	ND (0.00041)	ND (0.00045)	ND (0.00039)	ND (0.00041)	ND (0.00043)	ND (0.00039)	ND (0.00042)	ND (0.00039)	ND (0.00038)	ND (0.00041)	ND (0.00040)	ND (0.00040)	ND (0.00039)	ND (0.00037)	ND (0.00037)
Methoxychlor	mg/kg	-	-	-	ND (0.0072)	0.0048	ND (0.00042)	ND (0.00037)	ND (0.00038)	ND (0.00040)	ND (0.00036)	ND (0.00039)	ND (0.00037)	ND (0.00036)	ND (0.00039)	ND (0.00038)	ND (0.00037)	ND (0.00037)	ND (0.00035)	ND (0.00035)
Toxaphene	mg/kg	-	-	-	ND (0.15)	ND (0.013)	ND (0.014)	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
PCBs in Soil																				
Aroclor 1016	mg/kg	0.1	1	1	ND (2.0)	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1221	mg/kg	0.1	1	1	ND (3.1)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.020)	ND (0.022)	ND (0.021)	ND (0.020)	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.019)
Aroclor 1232	mg/kg	0.1	1	1	ND (2.6)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1242	mg/kg	0.1	1	1	ND (2.1)	ND (0.017)	ND (0.018)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)
Aroclor 1248	mg/kg	0.1	1	1	ND (2.5)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
Aroclor 1254	mg/kg	0.1	1	1	ND (0.66)	ND (0.016)	ND (0.018)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	**0.269**	ND (0.015)
Aroclor 1260	mg/kg	0.1	1	1	ND (1.5)	ND (0.016)	ND (0.017)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)	**0.227**	ND (0.014)
Aroclor 1268	mg/kg	0.1	1	1		ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
Aroclor 1262	mg/kg	0.1	1	1		ND (0.010)	ND (0.011)	ND (0.0099)	ND (0.010)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.010)	ND (0.0096)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0094)	ND (0.0093)
Metals in Soil																				
Aluminum	mg/kg	-			<200	8540	11200	4440	12600	13900	4030	10200	5110	5780	13000	5310	5860	6010	5850	4220
Antimony	mg/kg	-			<6.0	<2.3	<2.7	<2.2	<2.2	<2.4	<2.1	<2.3	<2.1	<2.1	<2.2	<2.3	<2.2	<2.2	<2.2	<2.0
Arsenic	mg/kg	13	16	16	<3.0	3.2	3.5	4	4	3.9	<2.1	6.1	<2.1	<2.1	5.5	<2.3	5.5	<2.2	5.5	<2.0
Barium	mg/kg	350	350	400	<200	52.3	58.2	39.7	45.3	80.7	21.4	113	28.3	40	97.6	24.4	86.2	27.9	62.3	<20
Beryllium	mg/kg	7.2	14	72	<1.0	0.36	0.55	0.26	0.56	0.78	0.25	0.3	0.32	0.31	0.51	0.31	0.25	0.4	0.23	0.25
Cadmium	mg/kg	2.5	2.5	4.3	<3.0	<0.57	<0.68	<0.54	<0.55	<0.60	<0.51	1.1	<0.52	<0.53	0.72	<0.57	0.65	<0.54	<0.54	<0.51
Calcium	mg/kg	-			7950	55600	3680	13500	1350	1840	942	17500	1210	1680	9270	799	56500	1350	41600	910
Chromium	mg/kg	-	-	-	<10	12.8	22.4	14.1	20.1	19.2	11.1	23.8	13.4	12.4	23.8	15	17	14.3	14.4	9.1
Cobalt	mg/kg	-	30		<50	<5.7	8.1	<5.4	8.4	6.8	<5.1	<5.7	<5.2	<5.3	7.3	<5.7	<5.4	<5.4	<5.4	<5.1
Copper	mg/kg	50	270	270	<10	13.4	18.9	15.1	28.1	12.5	6.6	40.3	12.6	13.6	**50.4**	10.7	45.4	10.8	27.1	6.8
Iron	mg/kg	-	2000		<100	**9560**	**20500**	**9600**	**23100**	**17300**	**7740**	**19500**	**16000**	**11900**	**20600**	**12500**	**10900**	**16200**	**10300**	**7640**
Lead	mg/kg	63	400	400	<3.0	**392**	51.2	**65.6**	13.5	40.1	3	**267**	3.9	3.8	**370**	4.2	**253**	4.6	**100**	2.7

Table 2
Pesticides/PCBS/Metals in Soil

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	FB-1	SB-1 (0'-2')	SB-1 (2'-4')	SB-2 (0'-2')	SB-2 (2'-4')	SB-3 (0'-2')	SB-3 (12'-14')	SB-4 (0'-2')	SB-4 (12'-14')	SB-401 (12'-14')	SB-5 (0'-2')	SB-5 (12'-14')	SB-6 (0'-2')	SB-6 (12'-14')	SB-7 (0'-2')	SB-7 (12'-14')
Lab Sample ID:					JC7112-10	JC7278-1	JC7278-2	JC7278-3	JC7278-4	JC7278-5	JC7278-6	JC7112-5	JC7112-6	JC7112-7	JC7112-1	JC7112-2	JC7112-3	JC7112-4	JC7112-8	JC7112-9
Date Sampled:					10/26/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/27/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015	10/26/2015
Matrix:					Field Blank	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
					Soil															
Magnesium	mg/kg	-	-	-	18700	4540	2110	1170	2120	1900	1500	7380	1700	1860	2860	1850	7440	1720	11600	1460
Manganese	mg/kg	1600	2000	2000	62.6	226	556	274	336	539	203	168	198	162	332	177	268	389	180	243
Mercury	mg/kg	0.18	0.81	0.81	<0.20	**0.97**	**0.42**	**0.33**	<0.035	0.07	<0.032	**0.27**	0.038	<0.030	**0.44**	<0.033	**0.24**	<0.035	0.11	<0.029
Nickel	mg/kg	30	140	310	<10	9	14.5	8.2	12.8	15.5	11.9	23.5	9	10	17.7	9.9	16	12.3	11.7	11
Potassium	mg/kg	-	-	-	14200	<1100	<1400	<1100	1380	<1200	<1000	1110	<1000	<1100	1110	<1100	1110	<1100	<1100	<1000
Selenium	mg/kg	3.9	36	180	<10	<2.3	<2.7	<2.2	<2.2	<2.4	<2.1	<2.3	<2.1	<2.1	<2.2	<2.3	<2.2	<2.2	<2.2	<2.0
Silver	mg/kg	2	36	180	<10	<0.57	<0.68	<0.54	<0.55	<0.60	<0.51	0.79	<0.52	<0.53	<0.55	<0.57	0.81	<0.54	<0.54	<0.51
Sodium	mg/kg	-	-	-	17500	<1100	<1400	<1100	<1100	<1200	<1000	<1100	<1000	<1100	<1100	<1100	<1100	<1100	<1100	<1000
Thallium	mg/kg	-			<2.0	<1.1	<1.4	<1.1	<1.1	<1.2	<1.0	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0
Vanadium	mg/kg	-	100		<50	18.8	31.4	14.6	28.6	28.3	12.3	35.5	21.1	22.9	33.7	21.2	26.9	24.9	29.9	11.7
Zinc	mg/kg	109	2200	10000	<20	29.4	40.5	29.3	34.3	36.6	15.3	**184**	18.1	19.3	**115**	32.3	**133**	20.4	80.8	13.3
General Chemistry																				
Solids, Percent	%	-	-	-		88.7	76.4	91.1	86.9	80.8	95.4	87.6	93.6	95.7	89.1	90.9	92.3	94.1	95.8	99.4

Shaded cells show detected compounds

Shaded cells indciate and exceedance of the regulatory limit

Table 3

Soil Vapor Analytical Summary

Client Sample ID:			SG-1	SG-2	SG-3	SG-4	SG-5	SG-6	SS-10	SS-11	SS-12	SS-13	SS-14
Lab Sample ID:			JC7272-4	JC7272-5	JC7272-6	JC7272-2	JC7272-1	JC7272-3	JC11091-1	JC11091-2	JC11091-5	JC11091-4	JC11091-3
Date Sampled:		NYS DOH	10/28/2015	10/28/2015	10/28/2015	10/28/2015	10/28/2015	10/28/2015	12/172015	12/172015	12/172015	12/172015	12/172015
Matrix:			Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.
GC/MS Volatiles (TO-15) - ug/m3													
Acetone	ug/m3		54.6	109	31.6	110	208	54.6					
1,3-Butadiene	ug/m3		ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)					
Benzene	ug/m3		2.1 J	2.7	2.6	5.1	24	4.8					
Bromodichloromethane	ug/m3		ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)					
Bromoform	ug/m3		ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)					
Bromomethane	ug/m3		ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)					
Bromoethene	ug/m3		ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)					
Benzyl Chloride	ug/m3		ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)					
Carbon disulfide	ug/m3		ND (0.34)	3.4	2.2 J	10	12	1.6 J					
Chlorobenzene	ug/m3		ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)					
Chloroethane	ug/m3		ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)					
Chloroform	ug/m3		34	59.1	14	ND (0.59)	ND (0.59)	ND (0.59)					
Chloromethane	ug/m3		ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)					
3-Chloropropene	ug/m3		ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)					
2-Chlorotoluene	ug/m3		ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)					
Carbon tetrachloride	ug/m3	5	2.6 J	2.6 J	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)					
Cyclohexane	ug/m3		ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)					
1,1-Dichloroethane	ug/m3		19	31	5.3	ND (0.49)	ND (0.49)	ND (0.49)					
1,1-Dichloroethylene	ug/m3		76.1	181	90.8	ND (0.44)	ND (0.44)	ND (0.44)					
1,2-Dibromoethane	ug/m3		ND (1.1)	5.3 J	ND (1.1)	43	ND (1.1)	ND (1.1)					
1,2-Dichloroethane	ug/m3		ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)					
1,2-Dichloropropane	ug/m3		ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)					
1,4-Dioxane	ug/m3		ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)					
Dichlorodifluoromethane	ug/m3		3.2 J	3.4 J	4	4.2	3.1 J	5.4					
Dibromochloromethane	ug/m3		ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)					
trans-1,2-Dichloroethylene	ug/m3		3.8	5.9	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)					
cis-1,2-Dichloroethylene	ug/m3		101	233	12	ND (0.39)	ND (0.39)	ND (0.39)					
cis-1,3-Dichloropropene	ug/m3		ND (0.64)	ND (0.64)	ND (0.64)	ND (0.64)	ND (0.64)	ND (0.64)					
m-Dichlorobenzene	ug/m3		ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)					
o-Dichlorobenzene	ug/m3		ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)					
p-Dichlorobenzene	ug/m3		ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)					
trans-1,3-Dichloropropene	ug/m3		ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)					
Ethanol	ug/m3		40.3	33.2	14	14	14	9.6					
Ethylbenzene	ug/m3		ND (0.83)	3.0 J	6.9	2.1 J	6.1	1.7 J					
Ethyl Acetate	ug/m3		ND (0.90)	ND (0.90)	ND (0.90)	3.4	ND (0.90)	ND (0.90)					
4-Ethyltoluene	ug/m3		ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)					
Freon 113	ug/m3		ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)					
Freon 114	ug/m3		ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)					
Heptane	ug/m3		142	1.7 J	ND (0.49)	5.3	126	ND (0.49)					
Hexachlorobutadiene	ug/m3		ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)					
Hexane	ug/m3		3.9	3.3	3.9	11	277	2.1 J					
2-Hexanone	ug/m3		ND (0.74)	ND (0.74)	ND (0.74)	ND (0.74)	ND (0.74)	ND (0.74)					
Isopropyl Alcohol	ug/m3		3.9	3.2	1.7 J	2.7	2.9	1.8 J					
Methylene chloride	ug/m3		5.2	4.5	4.9	4.2	3.3	3.4					

Table 3

Soil Vapor Analytical Summary

Methyl ethyl ketone	ug/m3		3.8	20	2.9	16	49.3	5.6					
Methyl Isobutyl Ketone	ug/m3		ND (0.45)	6.6	2.1 J	ND (0.45)	ND (0.45)	ND (0.45)					
Methyl Tert Butyl Ether	ug/m3		ND (0.36)	ND (0.36)	8.7	ND (0.36)	ND (0.36)	ND (0.36)					
Methylmethacrylate	ug/m3		ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)					
Propylene	ug/m3		6.4	22.3	22	129	3990	4					
Styrene	ug/m3		ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)					
1,1,1-Trichloroethane	ug/m3	100	213	278	73.7	21	17	69.3	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)
1,1,2,2-Tetrachloroethane	ug/m3		ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)					
1,1,2-Trichloroethane	ug/m3		ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)					
1,2,4-Trichlorobenzene	ug/m3		ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)					
1,2,4-Trimethylbenzene	ug/m3		ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)					
1,3,5-Trimethylbenzene	ug/m3		ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)					
2,2,4-Trimethylpentane	ug/m3		377	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)					
Tertiary Butyl Alcohol	ug/m3		8.8	7.3	4.2	4.5	ND (0.61)	5.8					
Tetrachloroethylene	ug/m3	100	656	2870	739	85.4	55	142	ND (0.64)	7.3	5.8	0.75 J	2
Tetrahydrofuran	ug/m3		ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)					
Toluene	ug/m3		5.3	4.5	4.9	7.2	31	4.9					
Trichloroethylene	ug/m3	5	1980	3510	688	21	21	135	31	23	3.4	18	28
Trichlorofluoromethane	ug/m3		27	57.9	116	39	9.6	33					
Vinyl chloride	ug/m3		ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)					
Vinyl Acetate	ug/m3		ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)					
m,p-Xylene	ug/m3		3.0 J	11	26	6.1	13	4.3					
o-Xylene	ug/m3		ND (0.43)	4.3	15	2.5 J	4.8	1.7 J					
Xylenes (total)	ug/m3		3.0 J	15	41	8.7	18	6.1					

Shaded cells are contaminants of concern and where their results exceed the regulatory limit.

Table 5 Soil Boring Construction				
Type	**Identification Number**	**Date of construction**	**Total Depth (feet)**	**Diameter (inches)**
Soil Boring	SB-1	10/27/2015	30.0	2.5
Soil Boring	SB-2	10/27/2015	15.0	2.5
Soil Boring	SB-3	10/27/2015	15.0	2.5
Soil Boring	SB-4	10/26/2015	15.0	2.5
Soil Boring	SB-5	10/26/2015	23.0	2.5
Soil Boring	SB-6	10/26/2015	20	2.5
Soil Boring	SB-7	10/26/2015	20	2.5
Soil Boring	SB-10 thru SB-14	12/7/2015	2	2.5
Soil Boring	MW-1	12/23/2015	70	6
Soil Boring	MW-2	12/22/2015	60	6

Soil Boring	MW-3	12/18/2015	60	6
Soil Boring	MW-4	12/24/2015	60	6

Table 5
Groundwater Analytical Data Summary

Client Sample ID:		NY TOGS Class	MW-4	MW-4	MW-3	MW-3	FB-1	FB-1	MW-201	MW-201	MW-2	MW-2	MW-1	MW-1	TRIP BLANK
Lab Sample ID:		GA GW Standards	JC12052-1	JC12052-1F	JC12052-2	JC12052-2F	JC12052-3	JC12052-3F	JC12052-4	JC12052-4F	JC12052-5	JC12052-5F	JC12052-6	JC12052-6F	JC12052-7
Date Sampled:		(NYSDEC 6/2004)[1]	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016
Matrix:			Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Field Blank Water	Field Blank Filtered	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Trip Blank Water
GC/MS Volatiles (SW846 8260C)															
Acetone	ug/l	-	ND (3.3)	-	ND (3.3)	-	ND (3.3)	-	ND (3.3)	-	ND (3.3)	-	ND (0.93)	-	-
Benzene	ug/l	1	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	ND (1.4)	-	-
Bromochloromethane	ug/l	5	ND (0.37)	-	ND (0.37)	-	ND (0.37)	-	ND (0.37)	-	ND (0.37)	-	ND (1.3)	-	-
Bromodichloromethane	ug/l	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (1.3)	-	-
Bromoform	ug/l	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (1.1)	-	-
Bromomethane	ug/l	5	ND (0.42)	-	ND (0.42)	-	ND (0.42)	-	ND (0.42)	-	ND (0.42)	-	ND (0.87)	-	-
2-Butanone (MEK)	ug/l	-	ND (5.6)	-	ND (5.6)	-	ND (5.6)	-	ND (5.6)	-	ND (5.6)	-	ND (0.82)	-	-
Carbon disulfide	ug/l	60	ND (0.25)	-	ND (0.25)	-	ND (0.25)	-	ND (0.25)	-	ND (0.25)	-	ND (0.67)	-	-
Carbon tetrachloride	ug/l	5	ND (0.22)	-	ND (0.22)	-	ND (0.22)	-	ND (0.22)	-	ND (0.22)	-	ND (1.4)	-	-
Chlorobenzene	ug/l	5	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (1.1)	-	-
Chloroethane	ug/l	5	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	ND (1.4)	-	-
Chloroform	ug/l	7	3	-	4.2	-	ND (0.19)	-	2.1	-	2.3	-	ND (0.31)	-	-
Chloromethane	ug/l	5	ND (0.41)	-	ND (0.41)	-	ND (0.41)	-	ND (0.41)	-	ND (0.41)	-	ND (1.4)	-	-
Cyclohexane	ug/l	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (1.5)	-	-
1,2-Dibromo-3-chloropropane	ug/l	0.04	ND (0.99)	-	ND (0.99)	-	ND (0.99)	-	ND (0.99)	-	ND (0.99)	-	ND (1.4)	-	-
Dibromochloromethane	ug/l	-	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	ND (0.29)	-	-
1,2-Dibromoethane	ug/l	0.0006	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.24)	-	-
1,2-Dichlorobenzene	ug/l	3	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.28)	-	-
1,3-Dichlorobenzene	ug/l	3	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.25)	-	-
1,4-Dichlorobenzene	ug/l	3	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.42)	-	-
Dichlorodifluoromethane	ug/l	5	ND (0.90)	-	ND (0.90)	-	ND (0.90)	-	ND (0.90)	-	ND (0.90)	-	ND (0.34)	-	-
1,1-Dichloroethane	ug/l	5	ND (0.17)	-	ND (0.17)	-	ND (0.17)	-	ND (0.17)	-	ND (0.17)	-	ND (0.32)	-	-
1,2-Dichloroethane	ug/l	0.6	ND (0.18)	-	ND (0.18)	-	ND (0.18)	-	ND (0.18)	-	ND (0.18)	-	ND (0.33)	-	-
1,1-Dichloroethene	ug/l	5	ND (0.51)	-	1.1	-	ND (0.51)	-	0.57 J	-	0.53 J	-	ND (0.32)	-	-
cis-1,2-Dichloroethene	ug/l	5	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	0.51 J	-	0.61 J	-	ND (0.41)	-	-
trans-1,2-Dichloroethene	ug/l	5	ND (0.65)	-	ND (0.65)	-	ND (0.65)	-	ND (0.65)	-	ND (0.65)	-	ND (0.37)	-	-
1,2-Dichloropropane	ug/l	1	ND (0.39)	-	ND (0.39)	-	ND (0.39)	-	ND (0.39)	-	ND (0.39)	-	ND (0.37)	-	-
cis-1,3-Dichloropropene	ug/l	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.27)	-	-
trans-1,3-Dichloropropene	ug/l	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.26)	-	-
Ethylbenzene	ug/l	5	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.30)	-	-
Freon 113	ug/l	5	ND (0.52)	-	ND (0.52)	-	ND (0.52)	-	ND (0.52)	-	ND (0.52)	-	ND (0.23)	-	-
2-Hexanone	ug/l	-	ND (1.7)	-	ND (1.7)	-	ND (1.7)	-	ND (1.7)	-	ND (1.7)	-	ND (0.29)	-	-
Isopropylbenzene	ug/l	5	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.43)	-	-
Methyl Acetate	ug/l	-	ND (1.9)	-	ND (1.9)	-	ND (1.9)	-	ND (1.9)	-	ND (1.9)	-	ND (0.35)	-	-
Methylcyclohexane	ug/l	-	ND (0.22)	-	ND (0.22)	-	ND (0.22)	-	ND (0.22)	-	ND (0.22)	-	ND (0.26)	-	-
Methyl Tert Butyl Ether	ug/l	10	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	ND (0.34)	-	-
4-Methyl-2-pentanone(MIBK)	ug/l	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (0.28)	-	-
Methylene chloride	ug/l	5	ND (0.73)	-	ND (0.73)	-	ND (0.73)	-	ND (0.73)	-	ND (0.73)	-	ND (0.27)	-	-
Styrene	ug/l	5	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.26)	-	-
1,1,2,2-Tetrachloroethane	ug/l	5	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.32)	-	-
Tetrachloroethene	ug/l	5	**64.7**	-	**30**	-	ND (0.40)	-	**57.2**	-	**58**	-	ND (0.53)	-	-
Toluene	ug/l	5	ND (0.16)	-	ND (0.16)	-	ND (0.16)	-	ND (0.16)	-	ND (0.16)	-	ND (0.72)	-	-
1,2,3-Trichlorobenzene	ug/l	5	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.37)	-	-
1,2,4-Trichlorobenzene	ug/l	5	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.27)	-	-
1,1,1-Trichloroethane	ug/l	5	0.31 J	-	0.80 J	-	ND (0.25)	-	0.74 J	-	0.64 J	-	ND (0.79)	-	-
1,1,2-Trichloroethane	ug/l	1	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.29)	-	-
Trichloroethene	ug/l	5	**5.8**	-	3.4	-	ND (0.22)	-	**9.2**	-	**8.7**	-	ND (0.24)	-	-
Trichlorofluoromethane	ug/l	5	ND (0.43)	-	ND (0.43)	-	ND (0.43)	-	ND (0.43)	-	ND (0.43)	-	ND (0.31)	-	-
Vinyl chloride	ug/l	2	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	1.5 J	-	-
m,p-Xylene	ug/l	-	ND (0.38)	-	ND (0.38)	-	ND (0.38)	-	ND (0.38)	-	ND (0.38)	-	ND (0.23)	-	-
o-Xylene	ug/l	5	ND (0.17)	-	ND (0.17)	-	ND (0.17)	-	ND (0.17)	-	ND (0.17)	-	ND (0.29)	-	-
Xylene (total)	ug/l	5	ND (0.17)	-	ND (0.17)	-	ND (0.17)	-	ND (0.17)	-	ND (0.17)	-	ND (0.42)	-	-
												-	ND (0.36)	-	-
GC/MS Semi-volatiles (SW846 8270D)												-	ND (0.29)	-	-
												-	ND (0.22)	-	-
2-Chlorophenol	ug/l	-	ND (0.94)	-	ND (0.96)	-	ND (0.93)	-	ND (0.93)	-	ND (0.93)	-	ND (0.38)	-	-
4-Chloro-3-methyl phenol	ug/l	-	ND (1.4)	-	ND (1.4)	-	ND (1.4)	-	ND (1.4)	-	ND (1.4)	-	ND (0.29)	-	-
2,4-Dichlorophenol	ug/l	1	ND (1.3)	-	ND (1.3)	-	ND (1.3)	-	ND (1.3)	-	ND (1.3)	-	ND (0.29)	-	-

Table 5
Groundwater Analytical Data Summary

Client Sample ID:		NY TOGS Class	MW-4	MW-4	MW-3	MW-3	FB-1	FB-1	MW-201	MW-201	MW-2	MW-2	MW-1	MW-1	TRIP BLANK
Lab Sample ID:		GA GW Standards (NYSDEC 6/2004)[1]	JC12052-1	JC12052-1F	JC12052-2	JC12052-2F	JC12052-3	JC12052-3F	JC12052-4	JC12052-4F	JC12052-5	JC12052-5F	JC12052-6	JC12052-6F	JC12052-7
Date Sampled:			01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016
Matrix:			Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Field Blank Water	Field Blank Filtered	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Trip Blank Water
2,4-Dimethylphenol	ug/l	1	ND (1.3)	-	ND (1.3)	-	ND (1.3)	-	ND (1.3)	-	ND (1.3)	-	ND (0.21)	-	-
2,4-Dinitrophenol	ug/l	1	ND (1.1)	-	ND (1.1)	-	ND (1.1)	-	ND (1.1)	-	ND (1.1)	-	ND (0.24)	-	-
4,6-Dinitro-o-cresol	ug/l	-	ND (0.88)	-	ND (0.90)	-	ND (0.87)	-	ND (0.87)	-	ND (0.87)	-	ND (0.34)	-	-
2-Methylphenol	ug/l	-	ND (0.83)	-	ND (0.84)	-	ND (0.82)	-	ND (0.82)	-	ND (0.82)	-	ND (0.28)	-	-
3&4-Methylphenol	ug/l	-	ND (0.68)	-	ND (0.69)	-	ND (0.67)	-	ND (0.67)	-	ND (0.67)	-	ND (0.46)	-	-
2-Nitrophenol	ug/l	-	ND (1.4)	-	ND (1.5)	-	ND (1.4)	-	ND (1.4)	-	ND (1.4)	-	ND (0.31)	-	-
4-Nitrophenol	ug/l	-	ND (1.1)	-	ND (1.1)	-	ND (1.1)	-	ND (1.1)	-	ND (1.1)	-	ND (0.29)	-	-
Pentachlorophenol	ug/l	1	ND (1.5)	-	ND (1.5)	-	ND (1.4)	-	ND (1.4)	-	ND (1.4)	-	ND (0.23)	-	-
Phenol	ug/l	1	ND (0.32)	-	ND (0.32)	-	ND (0.31)	-	ND (0.31)	-	ND (0.31)	-	ND (0.34)	-	-
2,3,4,6-Tetrachlorophenol	ug/l	-	ND (1.4)	-	ND (1.5)	-	ND (1.4)	-	ND (1.4)	-	ND (1.4)	-	ND (0.36)	-	-
2,4,5-Trichlorophenol	ug/l	-	ND (1.5)	-	ND (1.5)	-	ND (1.5)	-	ND (1.5)	-	ND (1.5)	-	ND (1.5)	-	-
2,4,6-Trichlorophenol	ug/l	-	ND (1.5)	-	ND (1.5)	-	ND (1.4)	-	ND (1.4)	-	ND (1.4)	-	ND (1.4)	-	-
Acenaphthene	ug/l	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	-
Acenaphthylene	ug/l	-	ND (0.24)	-	ND (0.25)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	-
Acetophenone	ug/l	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	-
Anthracene	ug/l	-	ND (0.25)	-	ND (0.25)	-	ND (0.25)	-	ND (0.25)	-	ND (0.25)	-	ND (0.25)	-	-
Atrazine	ug/l	7.5	ND (0.42)	-	ND (0.43)	-	ND (0.42)	-	ND (0.42)	-	ND (0.42)	-	ND (0.42)	-	-
Benzaldehyde	ug/l	-	ND (0.34)	-	ND (0.35)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	-
Benzo(a)anthracene	ug/l	-	ND (0.32)	-	ND (0.32)	-	ND (0.32)	-	ND (0.32)	-	ND (0.32)	-	ND (0.32)	-	-
Benzo(a)pyrene	ug/l	ND	ND (0.34)	-	ND (0.34)	-	ND (0.33)	-	ND (0.33)	-	ND (0.33)	-	ND (0.33)	-	-
Benzo(b)fluoranthene	ug/l	-	ND (0.32)	-	ND (0.33)	-	ND (0.32)	-	ND (0.32)	-	ND (0.32)	-	ND (0.32)	-	-
Benzo(g,h,i)perylene	ug/l	-	ND (0.41)	-	ND (0.42)	-	ND (0.41)	-	ND (0.41)	-	ND (0.41)	-	ND (0.41)	-	-
Benzo(k)fluoranthene	ug/l	-	ND (0.37)	-	ND (0.38)	-	ND (0.37)	-	ND (0.37)	-	ND (0.37)	-	ND (0.37)	-	-
4-Bromophenyl phenyl ether	ug/l	-	ND (0.37)	-	ND (0.38)	-	ND (0.37)	-	ND (0.37)	-	ND (0.37)	-	ND (0.37)	-	-
Butyl benzyl phthalate	ug/l	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	-
1,1'-Biphenyl	ug/l	5	ND (0.26)	-	ND (0.26)	-	ND (0.26)	-	ND (0.26)	-	ND (0.26)	-	ND (0.26)	-	-
2-Chloronaphthalene	ug/l	-	ND (0.30)	-	ND (0.31)	-	ND (0.30)	-	ND (0.30)	-	ND (0.30)	-	ND (0.30)	-	-
4-Chloroaniline	ug/l	5	ND (0.23)	-	ND (0.24)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	-
Carbazole	ug/l	-	ND (0.30)	-	ND (0.30)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	-
Caprolactam	ug/l	-	ND (0.43)	-	ND (0.44)	-	ND (0.43)	-	ND (0.43)	-	ND (0.43)	-	ND (0.43)	-	-
Chrysene	ug/l	-	ND (0.35)	-	ND (0.36)	-	ND (0.35)	-	ND (0.35)	-	ND (0.35)	-	ND (0.35)	-	-
bis(2-Chloroethoxy)methane	ug/l	5	ND (0.26)	-	ND (0.27)	-	ND (0.26)	-	ND (0.26)	-	ND (0.26)	-	ND (0.26)	-	-
bis(2-Chloroethyl)ether	ug/l	1	ND (0.35)	-	ND (0.35)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	-
bis(2-Chloroisopropyl)ether	ug/l	5	ND (0.29)	-	ND (0.29)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	-
4-Chlorophenyl phenyl ether	ug/l	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	-
2,4-Dinitrotoluene	ug/l	5	ND (0.27)	-	ND (0.27)	-	ND (0.26)	-	ND (0.26)	-	ND (0.26)	-	ND (0.26)	-	-
2,6-Dinitrotoluene	ug/l	5	ND (0.33)	-	ND (0.33)	-	ND (0.32)	-	ND (0.32)	-	ND (0.32)	-	ND (0.32)	-	-
3,3'-Dichlorobenzidine	ug/l	5	ND (0.54)	-	ND (0.55)	-	ND (0.53)	-	ND (0.53)	-	ND (0.53)	-	ND (0.53)	-	-
1,4-Dioxane	ug/l	-	ND (0.73)	-	ND (0.74)	-	ND (0.72)	-	ND (0.72)	-	ND (0.72)	-	ND (0.72)	-	-
Dibenzo(a,h)anthracene	ug/l	-	ND (0.37)	-	ND (0.38)	-	ND (0.37)	-	ND (0.37)	-	ND (0.37)	-	ND (0.37)	-	-
Dibenzofuran	ug/l	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	-
Di-n-butyl phthalate	ug/l	50	ND (0.79)	-	ND (0.81)	-	ND (0.79)	-	ND (0.79)	-	ND (0.79)	-	ND (0.79)	-	-
Di-n-octyl phthalate	ug/l	-	ND (0.29)	-	ND (0.30)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	-
Diethyl phthalate	ug/l	-	ND (0.25)	-	ND (0.25)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	-
Dimethyl phthalate	ug/l	-	ND (0.32)	-	ND (0.32)	-	ND (0.31)	-	ND (0.31)	-	ND (0.31)	-	ND (0.31)	-	-
bis(2-Ethylhexyl)phthalate	ug/l	5	ND (0.78)	-	1.4 J	-	ND (0.77)	-	ND (0.77)	-	3.8	-	1.5 J	-	-
Fluoranthene	ug/l	-	ND (0.23)	-	ND (0.24)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	-
Fluorene	ug/l	-	ND (0.30)	-	ND (0.30)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	-
Hexachlorobenzene	ug/l	0.04	ND (0.43)	-	ND (0.44)	-	ND (0.42)	-	ND (0.42)	-	ND (0.42)	-	ND (0.42)	-	-
Hexachlorobutadiene	ug/l	0.5	ND (0.37)	-	ND (0.38)	-	ND (0.36)	-	ND (0.36)	-	ND (0.36)	-	ND (0.36)	-	-
Hexachlorocyclopentadiene	ug/l	5	ND (0.30)	-	ND (0.30)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	-
Hexachloroethane	ug/l	5	ND (0.22)	-	ND (0.23)	-	ND (0.22)	-	ND (0.22)	-	ND (0.22)	-	ND (0.22)	-	-
Indeno(1,2,3-cd)pyrene	ug/l	-	ND (0.39)	-	ND (0.40)	-	ND (0.38)	-	ND (0.38)	-	ND (0.38)	-	ND (0.38)	-	-
Isophorone	ug/l	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	-
2-Methylnaphthalene	ug/l	-	ND (0.29)	-	ND (0.30)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	-
2-Nitroaniline	ug/l	5	ND (0.21)	-	ND (0.22)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	ND (0.21)	-	-
3-Nitroaniline	ug/l	5	ND (0.24)	-	ND (0.25)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	ND (0.24)	-	-
4-Nitroaniline	ug/l	5	ND (0.35)	-	ND (0.35)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	-
Naphthalene	ug/l	-	ND (0.29)	-	ND (0.29)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	-
Nitrobenzene	ug/l	0.4	ND (0.47)	-	ND (0.48)	-	ND (0.46)	-	ND (0.46)	-	ND (0.46)	-	ND (0.46)	-	-
N-Nitroso-di-n-propylamine	ug/l	-	ND (0.32)	-	ND (0.32)	-	ND (0.31)	-	ND (0.31)	-	ND (0.31)	-	ND (0.31)	-	-
N-Nitrosodiphenylamine	ug/l	-	ND (0.30)	-	ND (0.30)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	ND (0.29)	-	-
Phenanthrene	ug/l	-	ND (0.23)	-	ND (0.24)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	ND (0.23)	-	-

Table 5
Groundwater Analytical Data Summary

Client Sample ID:		NY TOGS Class	MW-4	MW-4	MW-3	MW-3	FB-1	FB-1	MW-201	MW-201	MW-2	MW-2	MW-1	MW-1	TRIP BLANK
Lab Sample ID:		GA GW Standards (NYSDEC 6/2004)[1]	JC12052-1	JC12052-1F	JC12052-2	JC12052-2F	JC12052-3	JC12052-3F	JC12052-4	JC12052-4F	JC12052-5	JC12052-5F	JC12052-6	JC12052-6F	JC12052-7
Date Sampled:			01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016
Matrix:			Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Field Blank Water	Field Blank Filtered	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Trip Blank Water
Pyrene	ug/l	-	ND (0.34)	-	ND (0.35)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	ND (0.34)	-	-
1,2,4,5-Tetrachlorobenzene	ug/l	5	ND (0.37)	-	ND (0.37)	-	ND (0.36)	-	ND (0.36)	-	ND (0.36)	-	ND (0.36)	-	-
GC Semi-volatiles (SW846 8081B)															
Aldrin	ug/l	ND	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	-
alpha-BHC	ug/l	0.01	ND (0.0023)	-	ND (0.0023)	-	ND (0.0023)	-	ND (0.0023)	-	ND (0.0023)	-	ND (0.0023)	-	-
beta-BHC	ug/l	0.04	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	-
delta-BHC	ug/l	0.04	ND (0.0032)	-	ND (0.0032)	-	ND (0.0032)	-	ND (0.0032)	-	ND (0.0032)	-	ND (0.0032)	-	-
gamma-BHC (Lindane)	ug/l	0.05	ND (0.0028)	-	ND (0.0028)	-	ND (0.0028)	-	ND (0.0028)	-	ND (0.0028)	-	ND (0.0028)	-	-
alpha-Chlordane	ug/l	-	ND (0.0025)	-	ND (0.0025)	-	ND (0.0025)	-	ND (0.0025)	-	ND (0.0025)	-	ND (0.0025)	-	-
gamma-Chlordane	ug/l	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	-
Dieldrin	ug/l	0.004	ND (0.0020)	-	ND (0.0020)	-	ND (0.0020)	-	ND (0.0020)	-	ND (0.0020)	-	ND (0.0020)	-	-
4,4'-DDD	ug/l	0.3	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	-
4,4'-DDE	ug/l	0.2	ND (0.0027)	-	ND (0.0027)	-	ND (0.0027)	-	ND (0.0027)	-	ND (0.0027)	-	ND (0.0027)	-	-
4,4'-DDT	ug/l	0.2	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	-
Endrin	ug/l	ND	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	-
Endosulfan sulfate	ug/l	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	-
Endrin aldehyde	ug/l	5	ND (0.0032)	-	ND (0.0032)	-	ND (0.0032)	-	ND (0.0032)	-	ND (0.0032)	-	ND (0.0032)	-	-
Endrin ketone	ug/l	5	ND (0.0023)	-	ND (0.0023)	-	ND (0.0023)	-	ND (0.0023)	-	ND (0.0023)	-	ND (0.0023)	-	-
Endosulfan-I	ug/l	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	-
Endosulfan-II	ug/l	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	-
Heptachlor	ug/l	0.04	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	ND (0.0029)	-	-
Heptachlor epoxide	ug/l	0.03	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	ND (0.0026)	-	-
Methoxychlor	ug/l	35	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	ND (0.0022)	-	-
Toxaphene	ug/l	0.06	ND (0.088)	-	ND (0.088)	-	ND (0.088)	-	ND (0.088)	-	ND (0.088)	-	ND (0.088)	-	-
GC Semi-volatiles (SW846 8082A)															
Aroclor 1016	ug/l	0.09	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	-
Aroclor 1221	ug/l	0.09	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	-
Aroclor 1232	ug/l	0.09	ND (0.16)	-	ND (0.16)	-	ND (0.16)	-	ND (0.16)	-	ND (0.16)	-	ND (0.16)	-	-
Aroclor 1242	ug/l	0.09	ND (0.13)	-	ND (0.13)	-	ND (0.13)	-	ND (0.13)	-	ND (0.13)	-	ND (0.13)	-	-
Aroclor 1248	ug/l	0.09	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	ND (0.15)	-	-
Aroclor 1254	ug/l	0.09	ND (0.040)	-	ND (0.040)	-	ND (0.040)	-	ND (0.040)	-	ND (0.040)	-	ND (0.040)	-	-
Aroclor 1260	ug/l	0.09	ND (0.092)	-	ND (0.092)	-	ND (0.092)	-	ND (0.092)	-	ND (0.092)	-	ND (0.092)	-	-
Aroclor 1268	ug/l	0.09	ND (0.074)	-	ND (0.074)	-	ND (0.074)	-	ND (0.074)	-	ND (0.074)	-	ND (0.074)	-	-
Aroclor 1262	ug/l	0.09	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	-
Metals Analysis															
Aluminum	ug/l	-	622	<200	4120	<200	<200	<200	1000	<200	1480	<200	988	<200	-
Antimony	ug/l	3	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	-
Arsenic	ug/l	25	8	3.7	7.9	4.2	<3.0	<3.0	4.3	5.2	6.1	3.9	5.4	4.8	-
Barium	ug/l	1000	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	-
Beryllium	ug/l	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-
Cadmium	ug/l	5	3.4	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	-
Calcium	ug/l	-	78700	76200	53700	49800	<5000	<5000	66000	63400	64500	60800	71000	72000	-
Chromium	ug/l	50	<10	<10	13.6	<10	<10	<10	<10	<10	<10	<10	<10	<10	-
Cobalt	ug/l	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-
Copper	ug/l	200	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-
Iron	ug/l	300	**1010**	<100	**5930**	<100	<100	<100	**2340**	<100	**2890**	<100	**1740**	153	-
Lead	ug/l	25	5.5	<3.0	10.6	<3.0	<3.0	<3.0	6.2	<3.0	5.9	<3.0	4.4	<3.0	-
Magnesium	ug/l	-	25500	26100	12800	11900	<5000	<5000	21200	21700	21000	21100	27000	27600	-
Manganese	ug/l	300	**952**	**849**	**828**	**567**	<15	<15	239	136	234	130	**304**	290	-
Mercury	ug/l	0.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-
Nickel	ug/l	100	10.9	<10	12.8	<10	<10	<10	<10	<10	<10	<10	<10	<10	-
Potassium	ug/l	-	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	-
Selenium	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**12**	-
Silver	ug/l	50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-
Sodium	ug/l	20000	**124000**	**122000**	**48700**	**46100**	<10000	<10000	**105000**	**105000**	**105000**	**100000**	**71700**	**71700**	-
Thallium	ug/l	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
Vanadium	ug/l	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-

Table 5

Groundwater Analytical Data Summary

Client Sample ID:		NY TOGS Class	MW-4	MW-4	MW-3	MW-3	FB-1	FB-1	MW-201	MW-201	MW-2	MW-2	MW-1	MW-1	TRIP BLANK
Lab Sample ID:		GA GW Standards (NYSDEC 6/2004)[1]	JC12052-1	JC12052-1F	JC12052-2	JC12052-2F	JC12052-3	JC12052-3F	JC12052-4	JC12052-4F	JC12052-5	JC12052-5F	JC12052-6	JC12052-6F	JC12052-7
Date Sampled:			01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016	01/05/2016
Matrix:			Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Field Blank Water	Field Blank Filtered	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Trip Blank Water
Zinc	ug/l	-	<20	<20	23.8	<20	<20	<20	<20	<20	<20	<20	<20	<20	-

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

30 results exceeded regulatory criteria.

[1] NOTE: The above contain the following criteria that must be evaluated manually by the user:

Sum of Aldicarb and Methomyl at 0.35 ug/l.

Sum of Iron and Manganese at 500 ug/l.

Sum of Parathion and Methyl parathion at 1.5 ug/l.

Sum of Phenolic compounds (total phenols) at 1 ug/l.

Sum of Phenols, total chlorinated at 1 ug/l.

Sum of Phenols, total unchlorinated at 1 ug/l.

Principal organic contaminant at 5 ug/l defined as "any and every individual substance, whether listed in this Table or not, that is in one of the principal organic contaminant classes as defined in section 700.1 of this Title" unless listed elsewhere in this table.

Hit	**Exceed**

Table 5 **Summary of Analytical Data** **Comparison to Track 1 and 2SCOs**								
Analyte	Track 1 Unrestricted Use SCO	Track 2 Restricted Residential Use SCO	Sample ID Depth	Sample ID Depth	Sample ID Depth	Sample ID Depth	Sample ID Depth	Sample ID Depth
Benzaldehyde	**1.0**	**1.0**	**SB-5** **0-2'**	**SB-7** **0-2'**				
Benzo(a)anthracene	**1.0**	**1.0**	**SB-5** **0-2'**	**SB-7** **0-2'**				
Benzo(a)pyrene	**1.0**	**1.0**	**SB-5** **0-2'**	**SB-7** **0-2'**				
Chrysene	**1.0**	**3.9**	**SB-5** **0-2'**	**SB-7** **0-2'**				
Indeno(1,2,3-cd) pyrene	**0.5**	**0.5**	**SB-5** **0-2'**	**SB-7** **0-2'**				
Dieldrin	**0.005**	**0.2**						
4,4'-DDD	**0.0033**	**13**						
4-4' DDT	**0.0033**	**7.9**						
Aroclor 1254	**0.1**	**1**	**SB-7** **0-2'**					

Aroclor 1260	**0.1**	**1**	**SB-7 0-2’**					
Mercury	**2**	**180**	**SB-1, 0-2’ SB-1 2-4’**	**SB-2 0-2’**	**SB-4 0-2’**	**SB-5 0-2’**	**SB-6 0-2’**	
Lead	**63**	**400**	**SB-1 0-2’**	**SB-2 0-2’**	**SB-4 0-2’**	**SB-5 0-2’**	**SB-6 0-2’**	**SB-7 0-2’**
Zinc	**109**	**10,000**	**SB-4 0-2'**	**SB-5 0-2’**	**SB-6 0-2’**			

Appendix A

Previous Investigations and Report

HILLMANN
CONSULTING

PHASE I ENVIRONMENTAL SITE ASSESSMENT

337 BERRY STREET &
99-101 S. 5TH STREET
BROOKLYN, NEW YORK 11249

Prepared For:

MDG Design & Construction, LLC
1328 New York Avenue
Huntington Station, New York 11746

Hillmann Project Number: Z3-3159

August 20, 2013

Your Property. Our Priority.
1600 Route 22 East, Suite #107, Union, NJ 07083
Telephone (908) 688-7800 Fax: (908) 686-2636 Toll free: (800) 232-4326
www.HillmannConsulting.com

HILLMANN
CONSULTING

August 20, 2013

Ms. Jennifer Monaghan
MDG Design & Construction, LLC
1328 New York Avenue
Huntington Station, New York 11746

RE: Phase I Environmental Site Assessment
337 Berry Street and 99-101 S. 5th Street
Brooklyn, New York 11249
Hillmann Project Number Z3-3159

Dear Ms. Monaghan:

Hillmann Consulting, LLC, is pleased to provide the results of our Phase I Environmental Site Assessment of the above referenced property. This assessment was performed in accordance with the scope and limitations of ASTM Practice E 1527-05.

This report is for the exclusive use of the entities named on the front cover, its affiliates, designates and assignees, rating agencies, prospective bond holders and bond holders, and no other party shall have any right to rely on any service provided by Hillmann Consulting, LLC, without prior written consent.

We appreciate the opportunity to provide environmental services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact this office at 908-688-7800.

Very Truly Yours,
Hillmann Consulting, LLC

Craig Downs
National Accounts Manager

David H. Rutherford
Director, Due Diligence

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1.0 EXECUTIVE SUMMARY

At the request of MDG Design & Construction, LLC, Hillmann Consulting, LLC (Hillmann), performed a Phase I Environmental Site Assessment (ESA) of the property located at 337 Berry Street and 99-101 S. 5th Street in Brooklyn, New York (the Property). This assessment has been conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-05 for Phase I Environmental Site Assessments.

1.1 Property Summary Table

A summary of the pertinent details of the project is provided below:

PROJECT SUMMARY TABLE					
Name of Client		MDG Design & Construction, LLC			
Client Project No.:		N/A			
Client Contact:		Ms. Jennifer Monaghan			
Description of Project		Phase I Environmental Site Assessment			
Property Name:		337 Berry Street and 99-101 S. 5th Street			
Property Address:		337 Berry Street and 99-101 S. 5th Street, Brooklyn, NY			
City:	Brooklyn	**County:**	Kings	**State:**	New York
Tax Map designation:		**Block:**	2443	**Lot:**	6, 37, 41
Property Area:		337 Berry St. = 0.12 acre 99 S. 5th St. = 0.03 acre 101 S. 5th St = 0.16 acre			
Approximate Building Area:		10,000-ft²			
Property Usage:		Vacant Warehouse and Vacant Lots			
Year Built:		1938			
Property Owner:		337 Berry St. = Landmark Preservation Commission 99 S. 5th St. = D C A S 101 S. 5th St. = HPD			
Zoning Information:		M1-2/R6 – Warehouse and Vacant Land			
Assessment Personnel:		Craig Downs			
Accompanied/Escorted By:		Angelo (last name not provided), HDP Mr. Michael Rooney, MDG			
Property Contact Phone Number:		631-421-7371			
Inspection Date:		August 12, 2013			
Weather Conditions:		Overcast; 80º F			

1.2 Summary of Findings

The following table summarizes the individual sections of this assessment. This table, alone, does not constitute the complete assessment. The report must be reviewed in its entirety.

FINDINGS SUMMARY						
ASSESSMENT SECTION	ACCEPTABLE	IDENTIFIED FINDINGS – NOT A REC	REC	FURTHER ACTION	EST. COST BUDGET	REF. SECTION
Historical Review		X		Satisfy all the environmental requirements of the (E) designation with the OER.	NA	5.0
Regulatory Review	X					8.0
Site Use	X					3.3/6.2
Hazardous Materials	X					6.3
USTs	X					6.6
ASTs		X		NFA		6.6
PCBs	X					6.7
Waste / Discharges	X					6.4/6.5/6.8
ACM		X		Compliance w/Applicable Regulations	N/A	7.1
Lead Paint	X					7.2
Drinking Water Quality	X					6.11
Radon	X					7.3
Mold	X					7.4
Adjoining/ Surrounding Area	X					3.6/3.7/8.2

1.3 Conclusions

Hillmann has performed a Phase I Environmental Site Assessment in accordance with the scope and limitations of ASTM Practice E 1527-05 of the Property as described in Section 2 of this report. Any additions to, exceptions to, or deletions from this practice are also described in Section 2 of this report. This assessment has revealed no evidence of *recognized environmental conditions* (RECs) in connection with the Property, except for the following:

- The three Property lots (Lots 6, 37, and 41) are subject to a municipal "(E) Designation", specifically for Underground Gasoline Storage Tanks Testing Protocol. It is assumed that

Lot 6 (337 Berry Street) was listed on the (E) designation for the historical use as a garage (1938-1990s) and Lot 41 (99 S. 5th Street) for the historical use as an auto body-repair (1970-1990s). An (E) designation is a zoning map designation that provides notice of the presence of an environmental requirement pertaining to potential hazardous materials, contamination, noise or air quality impacts on a particular tax lot. (E) Designations are established on the Zoning Map by the New York City Planning Commission and City Council, as a part of a zoning change. These designations assure that appropriate testing and remediation, if necessary, occur on properties that are being rezoned. The (E) designation is not a building violation and does not affect any legal use of the Property. However, if construction is to occur on the Property or enlargement of an existing building, or a change to the way the Property is used, the Property will not be able to obtain a Building Permit until the environmental requirements of the (E) designation are satisfied with the NYC Office of Environmental Remediation (OER).

The following additional notable environmental concerns were identified:

- Based on the location of the Property, urban historic fill materials may exist on the Property. In the event of redevelopment, the presence of urban historic fill material may increase costs for off-site disposal of excavated fill material.

- The Property is currently heated by a natural gas ceiling mounted heaters. No evidence of any present underground storage tanks was identified on the subject Property. However, Hillmann observed a vent pipe and fill port characteristic of fuel oil storage on the west side of the Property building. Hillmann conducted a search of publicly accessible records for the Property address on the Department of Buildings Internet site, and observed an "oil burner" application filed in 1952 for 337 Berry Street, which would indicate that at one time the building was heated by fuel oil. Hillmann traced the fill and vent lines to the partial basement of the building, where evidence of prior boiler was observed. It is assumed that the fuel oil AST was once located in the partial basement and has since been removed. The Property was not found on the registered tank database and/or spills or leaking tanks databases.

Hillmann has also performed cursory evaluations for ASTM "Non-Scope" items, such as asbestos-containing materials, lead-based paint, radon and mold. Our observations and research did not reveal any concerns, except for the following.

- Considering the date of construction, asbestos-containing materials may exist at the Property. Suspect non-friable ACM observed at the Property included the sheetrock wall system (sheetrock and joint compound), vinyl floor tiles and roofing materials, all in good to fair condition. No suspect friable materials, such as sprayed-on fireproofing, were noted during the assessment. It is emphasized that this limited screening does not constitute a comprehensive asbestos survey of the premises and is meant only to provide a cursory evaluation regarding the overall prevalence of ACM at the Property.

1.4 Recommendations

Based on the findings and conclusions of the Phase I Environmental Site Assessment, no further action is recommended at this time, except for the following:

- In the event of redevelopment of the Property, Hillmann recommends that the Property satisfy all the environmental requirements of the (E) designation with the OER.

- Suspect ACM at the Property should be managed in compliance with all applicable rules and regulations including performing all pre-demolition surveys in the event of redevelopment of the Property.

2.0 PURPOSE AND LIMITATIONS

2.1 Purpose and Scope

This assessment was conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-05. The ASTM describes these methodologies as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

The term *recognized environmental conditions (RECs)* is defined by the ASTM as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not *REC*s.

The chief components of this assessment are described as follows:

- Review and discussion of current Property conditions regarding the presence or absence of hazardous chemicals/petroleum products; generation, treatment, storage or disposal of hazardous, regulated or medical wastes; electrical equipment that utilizes oils which potentially contain PCBs; and bulk storage tanks (above or below ground).

- Review and discussion of the usage of adjacent and nearby properties to identify the potential for contamination (if present and/or suspected) to migrate onto the Property.

- Summary of physical characteristics of the Property through a review of available topographic, geologic and groundwater data.

- Research of the historic uses of the Property through a review of reasonably ascertainable standard sources, such as fire insurance maps, city directories, aerial photographs, prior reports and interviews.

- A regulatory review of federal and state environmental databases, and other local environmental records, within specific search distances defined by the ASTM.

These methodologies are described as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

A cursory evaluation for the following “Non-ASTM” concerns, such as the following:

- Suspect Asbestos-containing Materials
- Lead-based Paint
- USEPA Designated Radon Potential
- Indoor Air Quality (IAQ)/Mold

2.2 Inaccessible Locations

Hillmann was unaware of any notable areas of the Property that were excluded from our visual inspection.

2.3 Limitations and Exceptions

Historic research data gaps are detailed in Section 5, if applicable. No other exceptions or deletions from the ASTM Standard E 1527-05 are reported.

2.4 Abbreviations/Acronyms

Hillmann may use the following abbreviations and acronyms for common terminology described in our report. Not all abbreviations or acronyms may be applicable to this report:

ACM – Asbestos-containing Material
AST – Aboveground Storage Tank
ASTM – American Standard for Testing Materials
FOIA – Freedom of Information Act
HVAC – Heating Ventilation & Air Conditioning
HREC – Historic Recognized Environmental Condition
IAQ – Indoor Air Quality
LBP – Lead-based Paint
LTANK – Leaking Storage Tank
MSDS – Material Safety Data Sheet
REC – Recognized Environmental Condition
UST – Underground Storage Tank

2.5 Special Terms and Conditions

Hillmann has prepared this Phase I Environmental Site Assessment using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Property. The methodology of this Phase I Environmental Site Assessment was consistent with the ASTM Standard Practice for E 1527-05. Findings within this report are based on information collected from observations made on the day of the site investigation and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation or other construction purposes. Hillmann makes no representation or warranty that the past or current

operations at the Property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes.

Findings, conclusions and recommendations presented in this report are based on our visual observations of the Property, the municipal research findings reasonably obtained, information provided by the Client, and/or a review of readily available and supplied drawings and documents. Hillmann relies completely on the information, whether written, graphic or verbal, provided by the subject Property contact(s) or as shown on any documents reviewed or received from the subject Property contact, owner or agent, or municipal source, and assumes that information to be true and correct. Although there may have been some degree of overlap in the information provided by these various sources, Hillmann did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this assessment.

Regardless of the findings stated in this report, Hillmann is not responsible for consequences or conditions arising from facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The report focuses on the Property and neighboring properties that could impact the Property. Neighboring properties listed in governmental environmental records are identified within specific search distances. The search distance varies depending upon the particular government record being checked. The regulatory research is designed to meet the requirements of ASTM Standard E 1527-05. The information provided in the regulatory database report is assumed to be correct and complete.

Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques.

Reasonable efforts have been made during this assessment to identify aboveground and underground storage tanks and ancillary equipment. “Reasonable efforts” are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify subsurface equipment that may have been hidden from view due to parked automobiles and other vehicles, snow cover, vegetative growth, pavement, construction or debris pile storage or incorrect information from sources.

Hillmann is not a professional title insurance firm and makes no guarantee, explicit or implied, that the records which were reviewed represent a comprehensive or precise delineation of past Property ownership or tenancy for legal purposes.

3.0 PROPERTY DESCRIPTION

3.1 Property Location

The Property is located at 337 Berry Street and 99-101 S. 5th Street, Borough of Brooklyn, Kings County, New York, and is identified as Block 2443, Lots 6, 37 and 41 on tax maps. The latitude is North 40.7122000 degrees; longitude is West 73.9646000 degrees.

3.2 Site and Vicinity Characteristics

The Property consists of three conjoined irregular shaped parcels totaling 0.31-acres located on the east side of Berry Street and north side of S. 5th Street. The zoning at the Property is M1-2/R6 – *Warehouse and Vacant Land.* The Property is located in a dense urban area characterized by industrial buildings, residential properties and various retail stores and businesses.

3.3 Current Use of the Property

The Property consists of a vacant warehouse building (337 Berry Street) and vacant lots (99-101 S. 5th Street. No dry cleaning, large scale automobile repair, manufacturing or other industrial process activities were observed to be conducted at the Property during the site reconnaissance.

3.4 Description of Property Improvements

The Property is improved with an approximately 10,000-ft² single-story on slab (with partial basement) commercial-warehouse building. The building consists of a brick and masonry exterior and a flat roofing system. Interior finishes noted within the warehouse building consisted of exposed brick walls and concrete flooring. The remaining area consists of vacant grass lots.

3.5 Utilities/Source of Heating

The Property is provided with electric and natural gas services by Consolidated Edison. Water and sewer services are provided by the City of New York. The building is heated by a natural gas fired overhead heaters.

3.6 Current Uses of the Adjoining Properties

The following describes adjacent and abutting properties:

DIRECTION	DESCRIPTION
North-	Residential properties and commercial store fronts
East-	Residential buildings
South-	Williamsburg Bridge
West-	Warehouse building and residential buildings

No evidence of impacts to the Property from adjoining properties was observed during the site assessment.

3.7 Surrounding Area

The Property is located in a dense urban area characterized by industrial buildings, residential properties and various retail stores and businesses.

3.8 Physical Setting

3.8.1 Topography

According to the United States Geological Survey (USGS) 7.5 Minute Series Topographic Map of the Brooklyn, NY Quadrangle, the Property is located at approximately 45 feet above mean sea level. The terrain at the Property is relatively flat while sloping gently downward to the south-southwest. The closest down-gradient water body is the East River, located approximately 700-feet to the west.

3.8.2 Soils

Based on the United States Department of Agriculture - Soil Conservation Service data, the soil type at the Property is classified as Urban Land. The Urban Land designation indicates that a majority of the original soils on the site have been covered with impervious surfaces or otherwise disturbed by development.

3.8.3 Geology

The Property is underlain by a stratified sequence of materials from the Paleozoic Era, Ordovician System and Series.

3.8.4 Hydrology

Based on the drainage/topography, groundwater is estimated to flow to the west. Groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures or dewatering operations. Regionally, depth to groundwater is estimated at approximately twenty feet below surface grade.

According to the U.S. Department of the Interior Fish and Wildlife Service, the Property is not located in a wetland area.

4.0 USER PROVIDED INFORMATION

4.1 Title Records/Environmental Liens/Activity and Use Limitations

Review of title records is not included in the scope of work for this assessment project. No information regarding environmental liens or activity and use limitations was provided to Hillmann by the Client.

4.2 Specialized Knowledge or Experience

No indication of any specialized knowledge or experience regarding the Property was reported to Hillmann by the Client.

4.3 Commonly Known or Reasonably Ascertainable Information

No commonly known or specialized knowledge of the Property was reported to Hillmann by the Client.

4.4 Property Value Reduction due to Environmental Conditions

No information was provided by the Client to Hillmann regarding a reduction of the Property value due to environmental problems or conditions.

4.5 Reason for Performing Phase I ESA

It is Hillmann's understanding that the Phase I ESA was being performed in consideration of a pending real estate transaction involving the Property.

5.0 HISTORICAL RECORDS REVIEW

Hillmann has conducted research in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Property. Standard historical sources have been sought in an attempt to document the past uses of the Property as far back as it can be shown that the Property contained structures; or from the time the Property was first used for residential, agricultural, commercial, industrial or governmental purposes.

5.1 Sanborn Fire Insurance Maps

Fire insurance maps were created for insurance underwriters and often contain information regarding the uses of individual structures and the locations of fuel and/or chemical storage tanks that may have been on a particular property. These maps were generally prepared for urban areas beginning in the middle to late 1880s and continuing generally into the 2000s.

A search of Sanborn Fire Insurance Maps for the Property and surrounding area was conducted by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut. EDR provided a Sanborn Map report of several historic maps depicting the Property. The following pertinent details were obtained from review of the report:

The Property area is not depicted on the 1928 map.

YEAR(S)	DESCRIPTION	
1887	**Property**	Lot 6 - is depicted with an unidentified 2-story building in the western portion and a single-story building labeled as "Wagon Shed" on the eastern portion. Lots 37 and 41 - are depicted with five small residential dwellings along S. 5th Street.
	Adjacent Properties	The adjacent properties are primarily depicted as improved with dwellings.
1904	**Property**	Lot 6 - is depicted with a 2-story building in the western portion labeled as "Water Purveyors Bureau" and a single-story building labeled as "Wagon Shed" and another 2-story building labeled as "Dept. City Works" on the eastern portion. Lots 37 and 41 – are depicted with two residential dwellings along S. 5th Street. The remaining area is vacant.
	Adjacent Properties	The adjacent properties are primarily depicted as improved with dwellings and commercial store buildings. The Williamsburg Bridge is depicted to the south.
1918	**Property**	Lot 6 - is depicted with a 2-story building in the western portion labeled as "Water Purveyors Bureau" and a single-story building labeled as "Auto Sheds" and another 2-story building labeled as "Storage" on the eastern portion. Lots 37 and 41 - are depicted with two residential dwellings along S. 5th Street. The remaining area is vacant.

	Adjacent Properties	The adjacent properties to the north are depicted with dwelling and store buildings; adjacent property to the northeast is depicted with a commercial-industrial building labeled as "Interstate Electric Novelty Co." The adjacent properties to the east are depicted with flat and manufacturing buildings. The adjacent properties to the west are depicted with the current warehouse building and dwellings. The adjoining properties to the southwest are depicted with a commercial building, store and dwelling. The Williamsburg Bridge is depicted to the south.
1935	**Property**	Lot 6 - is depicted with an 2-story building in the western portion labeled as "Water Purveyors Bureau" and a single-story building labeled as "Auto Sheds" and another 2-story building labeled as "Storage" on the eastern portion. Lots 37 and 41 - are depicted with two residential dwellings along S. 5th Street. The remaining area is vacant.
	Adjacent Properties	The adjacent properties to the north are depicted with dwelling and store buildings; adjacent property to the northeast is depicted with a commercial-industrial building labeled as "Celluoid Works". The adjacent properties to the east are depicted with flat and manufacturing buildings. The adjacent properties to the west are depicted with the current warehouse building and dwellings. The adjoining properties to the southwest are depicted with a commercial building labeled as Syrup and Cigar Factory", store and dwelling and a filling station (northeast corner of Berry St and S. 5th St.). The Williamsburg Bridge is depicted to the south as well as storage buildings.
1947, 1950, 1965	**Property**	Lot 6 - is depicted with the current building configuration. The building is labeled as "City of N.Y. Dept. of Correction Garage". A 1938 date of construction is indicated. Lots 37 and 41 – are depicted with two dwellings and a small warehouse building (99 S. 5th Street).
	Adjacent Properties	The adjacent properties to the north are depicted with dwelling and store buildings; adjacent property to the northeast is depicted with a commercial-industrial building labeled as "F(M)". The adjacent properties to the east are depicted with flat, manufacturing and warehouse buildings. The adjacent properties to the west are depicted with the current warehouse-flat building and dwellings. The adjoining properties to the southwest are depicted with a commercial building labeled as "F", store and dwelling and a filling station (northeast corner of Berry St and S. 5th St.). The Williamsburg Bridge is depicted to the south as well as storage buildings.
1977, 1979, 1980, 1981, 1982, 1984, 1986, 1987, 1989, 1991, 1992, 1993	**Property**	Lot 6 - is depicted with the current building configuration. The building is labeled as "City of N.Y. Dept. of Correction Garage". A 1938 date of construction is indicated. Lots 37 and 41 – are depicted with one building at 99 S. 5th Street, which is labeled as "Auto Body".
	Adjacent Properties	The adjacent properties to the north are depicted with dwelling and store buildings; adjacent property to the northeast is depicted with a commercial-industrial building labeled as "F(M)". The adjacent properties to the east are depicted with flat and warehouse buildings. The adjacent properties to the west are depicted with the current warehouse-flat building and dwellings. The adjoining properties to the southwest are depicted with a commercial building labeled as "W", store and dwelling. The Williamsburg Bridge is depicted to the south as well as storage buildings.

1995, 1996, 2001, 2002, 2003, 2004, 2005, 2006, 2007	**Property**	Lot 6 - is depicted with the current building configuration. The building is labeled as "City of N.Y. Dept. of Correction Garage". A 1938 date of construction is indicated. Lots 37 and 41 – are now vacant.
	Adjacent Properties	The adjacent properties to the north are depicted with dwelling and store buildings; adjacent property to the northeast is depicted with a commercial-industrial building labeled as "F(M)". The adjacent properties to the east are depicted with a manufacturing factory and warehouse buildings. The adjacent properties to the west are depicted with the current warehouse-flat building and dwellings. The adjoining properties to the southwest are depicted with a commercial building labeled as "F", store and dwelling and a filling station (northeast corner of Berry St and S. 5th St.). The Williamsburg Bridge is depicted to the south as well as storage buildings.

5.2 Historical Topographic Map Review

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical topographic maps were not researched for this assessment.

5.3 Historic City Directories

A City Directory Abstract Report for the Property address was provided by EDR. City Directories for the years 1928 through 2012 were provided for review at approximately two to eleven-year intervals. The following directory listings for the Property addresses are as follows:

337 Berry Street

Year	*Uses*	*Source*
2012	ARCHITECTURAL SALVAGE WAREHOUSE	Cole Information Services
2007	ARCHITECTURAL SALVAGE WAREHOUSE	Cole Information Services
2005	Architectural Salvage Wrhse	Hill-Donnelly Corporation
2000	ARCHTOTRL SALVAGE	Cole Information Services
1997	Architectural Salvage Warehouse	NYNEX
1992	ARCHITECTURAL SALVAGE WAREHOUSE	NYNEX
1985	BRI DEN CONSTR INC	NYNEX
1976	NEW YORK CITY OF CORRECTION DEPT OF KINGS CNTY HOSP PRISON WARD	New York Telephone
1960	NY CITY OF DETENTION PENS ADOLESCENT COURT	New York Telephone
1928	PUBLIC SCHOOLS BARO OF BKLYN	New York Telephone

101 S. 5th Avenue

Year	*Uses*	*Source*
2007	R & A CYCLE INC	Cole Information Services
1965	Wenzel Alice Mrs	New York Telephone
1934	GRAFF EMIL CHAUF	R. L. Polk & Co.
	COHEN JULIA R	R. L. Polk & Co.
	NUSS EDW AUTO MECH H	R. L. Polk & Co.
	NUSS LOUELLA NURSE R	R. L. Polk & Co.
	PRASKICWICH STEILA HSEKPR R	R. L. Polk & Co.

99 South 5th Street

Year	*Uses*	*Source*
1970	Joe & Mannys Auto Reprs	New York Telephone

5.4 Aerial Photograph Review

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical aerial photographs were not researched for this assessment.

5.5 Prior Investigation Reports

Hillmann was not provided with prior investigation reports for review.

5.6 Knowledgeable Parties

Angelo (last name not provided) of NYC HDP, and Mr. Michael Rooney of MDG Design & Construction, LLC (developer), provided access at the time of the site reconnaissance. Angelo and Mr. Rooney had limited historical knowledge, however, it was indicated that the Property was last occupied by Architectural Salvage Warehouse since the 1990s. The warehouse stored landmarked building-architectural components.

According to tax assessor records the building was constructed in 1938.

5.7 Summary and Conclusion of Historic Use Research

The Property building at 337 Berry Street (Lot 6) was constructed in 1938. The Property was reported to have been used for a warehouse since the early 1990s. The Property was previously occupied by the New York Department of Corrections for the use as a garage-warehouse since construction. The Property area of 99-101 S. 5th Street (Lots 37 & 41) has consisted of vacant land since the mid-1990s. The area was previously occupied by residential buildings dating back to 1880s. Of note, the last building to be razed in the mid-1990s was located at 99 S. 5th Street and was occupied by an auto body-repair since at least the 1970s.

5.8 Data Gaps

Historical land use data prior to 1887 was not readily available at the time of the assessment. The date of the first development of the Property was determined to be a commercial building at 337 Berry Street and residential dwellings at 99-101 S. 5th Street. It is Hillmann's professional opinion that no significant data gaps were encountered.

6.0 SITE RECONNAISSANCE/INTERVIEWS

6.1 Interviews

Mr. Craig Downs of Hillmann conducted the site reconnaissance on August 12, 2013. Hillmann was escorted by Angelo (last name not provided) of NYC HDP, and Mr. Michael Rooney of MDG Design & Construction, LLC (developer), who provided information regarding the site. Information obtained from the interview is incorporated into appropriate sections of this report.

6.2 Property Use

The Property consists of a vacant warehouse building (337 Berry Street) and vacant lots (99-101 S. 5th Street.

6.3 Hazardous Substance/Petroleum Products Storage/Handling

No significant quantity of hazardous substance/petroleum product storage or handling was noted at the Property at the time of the assessment. No material mishandling was noted in the areas with these items.

No evidence of any spills, releases of hazardous substances or petroleum products was noted at the Property during the site reconnaissance.

6.4 Waste Generation, Storage and Disposal

Conventional solid waste generated at the Property is stored in trash cans/bags and disposed of via the municipal curbside pickup service. No evidence of the improper disposal of hazardous wastes was observed.

No additional wastes were observed to be generated, stored or disposed of at the Property during the site assessment.

6.5 Waste Discharges

Sanitary sewage generated at the Property is discharged into municipal sewer lines for off-site treatment. Storm water at the Property drains into the municipal storm water sewer system. No material concerns were noted with either discharge. There are no waste discharges from the Property requiring special permitting.

6.6 Bulk Petroleum Storage Tanks

The Property is currently heated by a natural gas ceiling mounted heaters. No evidence of any present underground storage tanks was identified on the subject Property. However, Hillmann observed a vent pipe and fill port characteristic of fuel oil storage on the west side of the Property building. Hillmann conducted a search of publicly accessible records for the Property address on the Department of Buildings Internet site, and observed an “oil burner” application filed in 1952 for 337 Berry Street, which would indicate that at one time the building was

heated by fuel oil. Hillmann traced the fill and vent lines to the partial basement of the building, where evidence of a prior boiler was observed. It is assumed that the fuel oil AST was once located in the partial basement and has since been removed. The Property was not found on the registered tank database and or spills or leaking tanks databases.

6.7 Polychlorinated Biphenyls (PCBs)

No suspected PCB containing electrical or hydraulic equipment was identified at the Property.

6.8 Drains/Sumps

No floor drains or sump pits were noted at the Property other than for sewage management. No environmental concerns were noted with this system.

6.9 Exterior Pits/Ponds/Lagoons

No evidence of pits, ponds or lagoons was identified on the Property in connection with waste treatment or disposal.

6.10 Stained Soil, Pavement/Stressed Vegetation

No staining of soils or pavement, or evidence of stressed vegetation, was noted during the assessment.

6.11 Drinking Water/Wells/Septic Systems

Drinking water is provided to the Property by the City of New York. No groundwater wells or septic systems were noted at the Property during the assessment.

6.12 Fill Material

No evidence of recently deposited or non-native fill materials was noted at the Property. Based on the location of the Property, urban historic fill materials may exist on the Property. In the event of redevelopment, the presence of urban historic fill material may increase costs for off-site disposal of excavated fill material.

7.0 NON-ASTM SCOPE CONCERNS

7.1 Asbestos-Containing Material (ACM)

Considering the date of construction, asbestos-containing materials may exist at the Property. Suspect non-friable ACM observed at the Property included the sheetrock wall system (sheetrock and joint compound), vinyl floor tiles and roofing materials, all in good condition. No suspect friable materials, such as sprayed-on fireproofing, were noted during the assessment. It is emphasized that this limited screening does not constitute a comprehensive asbestos survey of the premises and is meant only to provide a cursory evaluation regarding the overall prevalence of ACM at the Property.

7.2 Lead-Based Paint

Considering the date of construction, lead-based paint may be present at the Property. In general, interior painted surfaces within the space were noted to be in good to fair condition. However, due to the non-residential usage of the Property, lead-based paint is not considered to be a significant environmental concern and no further investigation is recommended at this time.

7.3 Radon

Radon is a naturally occurring, colorless, odorless gas that is a byproduct of the decay of radioactive materials potentially present in bedrock and soil. Radon gas may enter the lowest level of a building through floor cracks, structural joints or plumbing conduits. The United States Environmental Protection Agency (USEPA) guidance level for annual residential exposure to radon is 4.0 picocuries per liter of air (pCi/L). The guidance level is not a regulatory requirement for private owners of commercial real estate, but is commonly used for comparison purposes to suggest whether further action at a building may be prudent.

Based on information obtained from data obtained by the USEPA, the Property is located in an area with a low potential for radon concentrations that exceed current USEPA action guidelines. Kings County is classified as a Zone 3 or ‘low risk’ area for radon. Considering the low risk area, radon is not considered a significant concern.

7.4 Indoor Air Quality (IAQ)/Mold

While a specific investigation of indoor air quality at the Property was not conducted, Hillmann noted no evidence of any indoor air quality problems at the time of the assessment.

During the assessment, Hillmann inspected the building for evidence of excessive or amplified mold growth, or for conditions favorable for mold growth. No evidence of significant mold growth was identified at the Property in the accessed areas.

8.0 REGULATORY RECORD REVIEWS

A search of environmental regulatory databases, by service from Environmental Data Resources of Milford, CT, was conducted in accordance with the requirements of the ASTM. Hillmann also reviewed the "unmappable" listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that cannot be plotted with confidence, but are identified as being located within the general area of the Property based on the partial street address, city name or zip code. In general, a listing cannot be mapped due to inaccurate or incomplete address information in the database that was supplied by the corresponding regulatory agency. Any listings from the unmappable summary that were identified by Hillmann as a result of the area reconnaissance and/or cross-referencing to mapped listings are included in the corresponding database discussion within this section.

REGULATORY DATABASE	SEARCH DISTANCE	ON-SITE LISTINGS	ADJ. PROPERTY LISTINGS	TOTAL WITHIN SEARCH DISTANCE
Fed. NPL	1-mile	0	0	0
Fed. Delisted NPL	½-mile	0	0	0
Fed. CERCLIS	½-mile	0	0	1
Fed. CERCLIS-NFRAP	½-mile	0	0	0
Fed. RCRA CORRACTS	1-mile	0	0	1
Fed. RCRA TSD	½-mile	0	0	1
Fed. RCRA LQG & SQG (Generators)	Site & Adj.	0	0	
Fed. ERNS	Site	0		
State & Tribal SHWS equiv. NPL & CERCLIS	1-mile	0	0	3
State & Tribal SWF/LF	½-mile	0	Yes	7
State & Tribal LTANKS	½-mile	0	0	24
State & Tribal Registered Stor. Tank	Site & Adj.	0	Yes	
State & Tribal ENG. Control List	½-mile	0	0	0
State & Tribal INST. Control List	½-mile	0	0	0
State & Tribal VCP	½-mile	0	0	2
State & Tribal Eng. Brownfields (BF)	½-mile	0	0	2
Spills	Site	0	0	
EDR Supplemental Database Listings	Site	3		

- *The results of the review for each database are discussed below. The locations for the facilities discussed in this section are shown on the figures in the EDR report, included as Appendix E.*

- *According to the EPA Policy Toward Owners of Property Containing Contaminated Aquifers, dated July 3, 1995, the EPA will not take enforcement action against a property owner who owns property under which is an aquifer contaminated by subsurface migration from an off-site source or sources. Therefore, the Subject Property owner would not be liable for any contamination of the underlying aquifer that was attributed to an off-site source.*

8.1 On-Site Database Listings

The Property (Lots 6, 37 and 41) were listed on the (E) Designation database, specifically for Underground Gasoline Storage Tanks Testing Protocol. It was noted that numerous lots in the surrounding area have also been assigned an (E) designation. An (E) designation is a zoning map designation that provides notice of the presence of an environmental requirement pertaining to potential hazardous materials, contamination, noise or air quality impacts on a particular tax lot. (E) Designations are established on the Zoning Map by the New York City Planning Commission and City Council, as a part of a zoning change. These designations assure that appropriate testing and remediation, if necessary, occur on properties that are being rezoned. The (E) designation is not a building violation and does not affect any legal use of the Property. However, if construction is to occur on the Property or enlargement of an existing building, or a change to the way the Property is used, the Property will not be able to obtain a Building Permit until the environmental requirements of the (E) designation are satisfied with the NYC Office of Environmental Remediation (OER).

8.2 Adjoining Property Database Listings

338 Berry Street – was listed on the NY UST database. This site is located adjacent to the west-southwest (across Berry Street) and down gradient based on area topography. According to the UST database, one closed and one active 3,000-gallon fuel oil UST was identified. The site was not listed on the LTANKS and/or Spills databases. Based on this information, this site does not appear to be a REC in connection with the Property.

109 S. 5th Street – was listed on the NY AST database. This site is located adjacent to the east-southeast and up gradient based on area topography. According to the AST database, one active 4,000-gallon fuel oil AST was identified. The site was not listed on the LTANKS and or Spills databases. Based on this information, this site does not appear to be a REC in connection with the Property.

Local Transfer Station, 353 Berry Street - was listed on the NY SWF/LF database. This site is located adjacent to the east-southwest and down gradient based on area topography. The status of the site is listed as "Inactive". Based on this information, this site does not appear to be a REC in connection with the Property.

8.3 Federal Agency Record Review

EPA – The National Priorities List (NPL), also known as the Superfund list, is the United States Environmental Protection Agency (USEPA) listing of uncontrolled or abandoned hazardous waste sites. These sites are targeted for possible long-term remedial action under the Superfund Act of 1980. The list is primarily based on the EPA's Hazardous Ranking System.

- ♦ No NPL listings were identified within a one-mile radius of the Property.

EPA – Delisted NPL Site List (DNPL) provides a list of sites formerly listed on the NPL that have since been "de-listed" after the EPA has determined that no further response is appropriate.

- No DNPL listings were identified within a ½-mile radius of the Property.

EPA – The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) is the EPA database of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation, by the EPA for the release or threatened release of hazardous substances.

- One (1) CERCLIS listing was identified within a ½-mile radius of the Property. The site is identified as FYN Pain and Lacquer Co., Inc. at 230 Kent Avenue, located approximately 1,797 feet to the north and topographically down gradient from the Property based on area topography. According to the database, the site is a removal only site and no site assessment work is needed. Considering the regulatory status, distance and gradient away, this site is not considered to be a recognized environmental condition in connection with the Property.

EPA – CERCLIS-NFRAP (No Further Remedial Action Planned) is the EPA database of archived sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that the EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time.

- No CERCLIS-NFRAP listings were identified within a ½-mile radius of the Property.

EPA – The Resource Conservation and Recovery Information System (RCRIS) is a database of facilities, which generate or treat, store or dispose of EPA regulated hazardous waste, or meet other applicable requirements of the Resource Conservation and Recovery Act (RCRA). Inclusion on this database does not imply that mishandling or a release of hazardous waste has occurred at the facility. RCRIS categories are as follows:

Corrective Action (CORRACTS) list is a list of hazardous waste treatment, storage or disposal facilities and other RCRIS facilities (due to past interim status or storage of hazardous waste beyond 90 days) that have been notified by the USEPA to undertake corrective action under RCRA.

- One (1) CORRACTS listing was identified within a one-mile radius of the Property. The site is identified as Radiac Research Corp. at 33 S. 1st Street located approximately 1,154 feet to the north-northwest and topographically down gradient from the Property based on area topography. Considering the distance and gradient away, this site is not considered to be a recognized environmental condition in connection with the Property.

Treatment, Storage and Disposal Facilities (TSD). Facilities listed under TSD are sites that treat, store and/or dispose of EPA regulated hazardous waste.

- One (1) TSD listing was identified within a ½-mile radius of the Property. The site is identified as Radiac Research Corp. at 33 S. 1st Street, located approximately 1,154 feet to the north-northwest and topographically down gradient from the Property based on area topography. Considering the distance and gradient away, this site is not considered to be a recognized environmental condition in connection with the Property.

Large Quantity Generators (LQG). Facilities listed under LQG either generate more than 1000 kilograms (kg) of EPA regulated hazardous waste per month, or meet other applicable requirements of RCRA.

- Neither the Property nor any adjoining properties were listed on the LQG database.

Small Quantity Generators (SQG). Facilities listed under SQG either generate from 100 kilograms (kg) to 1000 kg of EPA regulated hazardous waste per month, or meet other applicable requirements of RCRA.

- Neither the Property nor any adjoining properties were listed on the SQG database.

EPA – The Emergency Response Notification System (ERNS) is a national database used to store information concerning the sudden and/or accidental release of hazardous substances, including petroleum, in quantities greater than the reportable quantity, as maintained at the National Response Center. The database contains preliminary information from spill reports made to various federal departments including the EPA.

- No listings were identified for the Property.

8.4 State Agency Record Review

State Hazardous Waste Sites (SHWS) database contains potential or confirmed hazardous substance release properties. This is the state equivalent to NPL *and* CERCLIS.

- Three (3) SHWS listings were identified within a one-mile radius of the Property. All of the sites are located down gradient and located over 3,000-feet away from the Property. Considering distance and gradient away, these sites are not considered to be a recognized environmental condition in connection with the Property.

Solid Waste Facility/Landfill (SWF/LF) list provides information on the location of registered state landfills and associated transfer facilities.

- Seven (7) SWF/LF listings were identified within a ½-mile radius of the Property. One of the listings was for an adjoining property and is discussed in Section 8.2. All of the remaining sites are located down gradient and located over 600-feet away from the Property. Considering distance and gradient away, these sites are not considered to be a recognized environmental condition in connection with the Property.

Leaking Storage Tank (LTANKS) is a comprehensive listing of all reported active and

inactive leaking storage tank sites.

- Twenty-four (24) LTANKS listings were identified within a ½-mile radius of the Property. The closest non-adjacent site in proximity to the Property is located at 373 Wythe Avenue, located approximately 425 feet to the west and topographically down gradient from the Property based on area topography. The LTANKS case was reported as closed in March of 1994. Considering regulatory status, this site is not considered to be a recognized environmental condition in connection with the Property.

Registered Storage Tank Database is the listing of registered storage tank sites. This includes the AST and UST databases.

- The Property was not identified on the registered tank databases.

- Adjoining properties were identified on the UST/AST databases and are described in Section 8.2.

Engineering Controls Site Listing (ENG Controls) list provides information on the location of remediation sites using engineering controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

- No ENG Control listings were identified within a ½-mile radius of the Property.

Institutional Controls Site Listing (INST Controls) list provides information on the location of remediation sites using institutional controls as part of the response action. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions and post remediation care requirements intended to prevent exposure to contaminants remaining on-site. Deed restrictions are generally required as part of the institutional controls.

- No INST Control listings were identified within a ½-mile radius of the Property.

Voluntary Cleanup Program (VCP) list provides information on the location of sites involved in a Voluntary Cleanup Program. Under a Voluntary Cleanup Program, a property owner will voluntarily enter into an agreement with a state or local environmental regulatory agency to conduct an investigation and remediation for specific area(s) of concern.

- Two (2) VCP listings were identified within a ½-mile radius of the Property. FYN Pain and Lacquer Co., Inc. at 230 Kent Avenue located approximately 1,797 feet to the north and topographically down gradient from the Property based on area topography. According to the database, the site is a removal only site and no site assessment work is needed. Considering regulatory status, distance and gradient away, this site is not considered to be a recognized environmental condition in connection with the Property.

Brownfields (BF) list provides information on the location of sites involved in a state or local Brownfields program.

- Two (2) BF listings were identified within a ½-mile radius of the Property. All of the sites are located down gradient and located over 1,500-feet away from the Property. Considering distance and gradient away, these sites are not considered to be a recognized environmental condition in connection with the Property.

The Property was not identified on any other database not covered by the ASTM standards.

Review of the remaining sites identified within the ASTM search parameters did not identify any site that is considered to be a recognized environmental condition in connection with the Property.

8.5 Local Government Agencies

New York City Department of Buildings:
Hillmann conducted a search of publicly accessible records for the Property address on the Department of Buildings Internet site. A number of permits and other records were available for review. Of note, a Certification of Occupancy from 1966 and 1967 indicated the use as "public garage, gas station and automobile sales". The Certification of Occupancy indicated gasoline tank and fuel oil installation. No additional environmentally significant information was noted.

New York City Fire Department:
Hillmann submitted a Freedom of Information Act request letter to the Fire Department requesting available file information regarding the Property. Of note, Hillmann observed an "oil burner" application filed in 1952 for 337 Berry Street, which would indicate that at one time the building was heated by fuel oil. A response was not received as of the date of this report. A copy of the letter request is attached.

New York City Department of Environmental Protection:
Hillmann submitted a Freedom of Information Act request letter to the Department of Environmental Protection requesting available file information regarding the Property. A response was not received as of the date of this report. A copy of the letter request is attached.

New York State Department of Environmental Conservation:
Hillmann submitted a records request letter to the Department of Environmental Conservation requesting available file information regarding the Property. A response was not received as of the date of this report. A copy of the letter request is attached.

9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §2252.10 of 40 CFR 2252. I have the specific qualifications based on education, training and experience to assess a *property* of the nature, history and setting of the subject *property*. Hillmann has developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 2252.

Craig Downs, CHMM
Environmental Professional

10.0 REFERENCES

Certified Sanborn Map Report, Environmental Data Resources, 2013

The EDR City Directory Abstract, Environmental Data Resources, 2013

The EDR Radius Map with GeoCheck, Environmental Data Resources, 2013

11.0 APPENDICES

Appendix A	Site Photographs
Appendix B	Maps/Diagrams
Appendix C	Historical Land Use Documentation/Maps
Appendix D	Reference Documentation / Laboratory Results (if applicable)
Appendix E	Regulatory Database Report

APPENDIX A

SITE PHOTOGRAPHS

PHOTO LOG
337 Berry Street and 99-101 S. 5th Street, Brooklyn, NY
Z3-3159

View of Subject Property – 337 Berry Street

View of Subject Property – 337 Berry Street

Typical Interior View - Warehouse

View of Partial Basement

Typical Interior View - Warehouse

View of Former AST Fill and Vent Pipe

PHOTO LOG
337 Berry Street and 99-101 S. 5th Street, Brooklyn, NY
Z3-3159

View of Vacant Lot 37 and 41

View of Vacant Lot 37 and 41

View of Adj. Properties to the East

View of Adj. Properties to the North

View of Adj. Properties to the West

View of Adj. Properties to the South

APPENDIX B

MAPS/DIAGRAMS

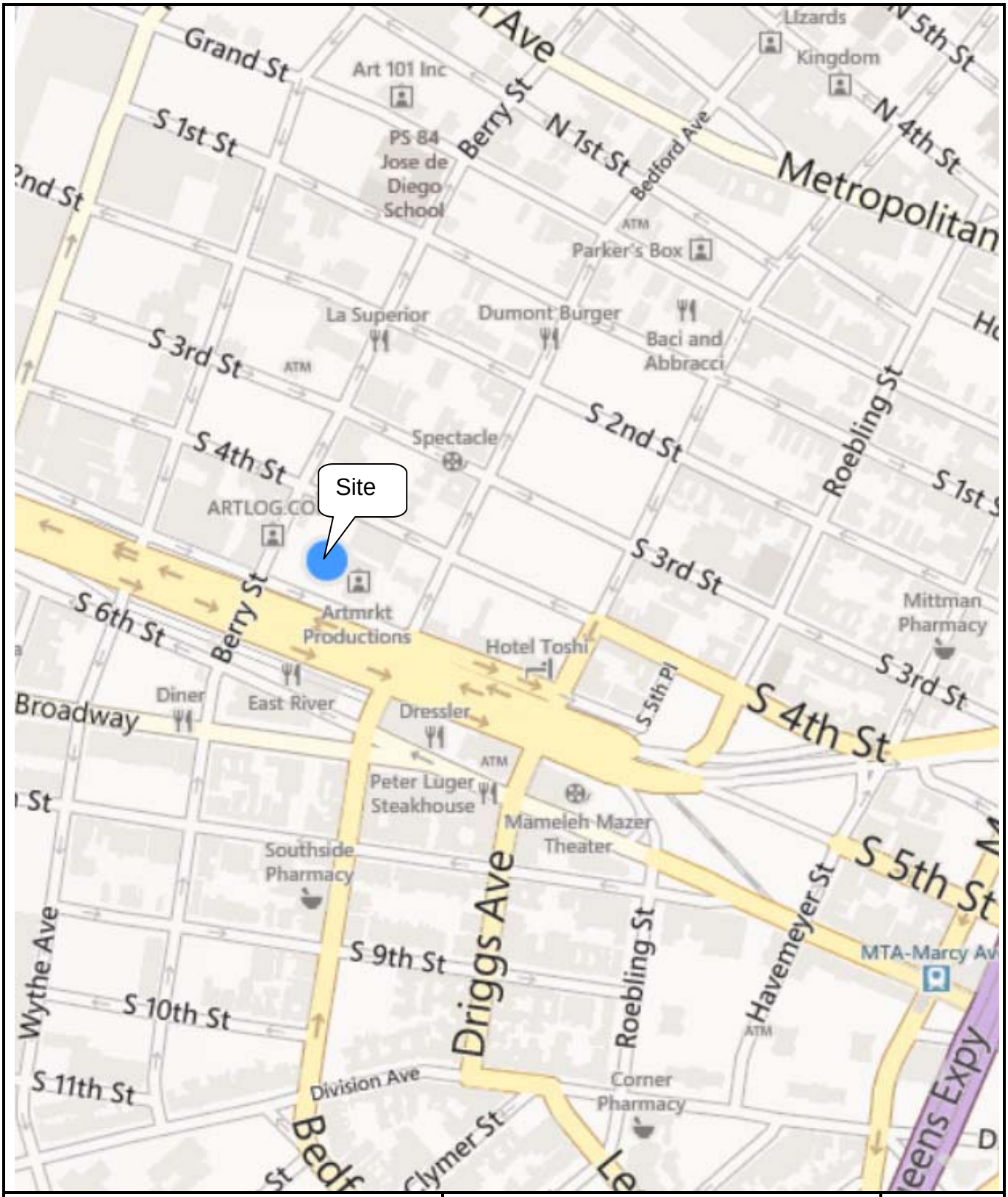

Figure 1: SITE VICINITY MAP	SCALE: (Not to Scale)	N
HILLMANN CONSULTING	**Project Location:** 337 Berry Street & 99-101 South 5th Street Brooklyn, NY **Project No.:** Z3-3159	

Figure 2: SITE DIAGRAM	SCALE: (Not to Scale)	N
HILLMANN CONSULTING	**Project Location:** 337 Berry Street & 99-101 South 5th Street Brooklyn, NY	
	Project No.: Z3-3159	

APPENDIX C

HISTORICAL LAND USE DOCUMENTATION/MAPS

337 Berry Street & 99 South 5th Street, Brooklyn,
337 Berry Street
Brooklyn, NY 11211

Inquiry Number: 3642113.3
June 20, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

6/20/13

Site Name:
337 Berry Street & 99 South 5th
337 Berry Street
Brooklyn, NY 11211

Client Name:
Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083

EDR Inquiry # 3642113.3

Contact: Joanne Bedkowski

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Hillmann Environmental Co. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 337 Berry Street & 99 South 5th Street,
Address: 337 Berry Street
City, State, Zip: Brooklyn, NY 11211
Cross Street:
P.O. # Z33159.0000
Project: Z3-3159
Certification # A6CA-4895-A461

Sanborn® Library search results
Certification # A6CA-4895-A461

Maps Provided:

2007	2001	1989	1980	1935
2006	1996	1987	1979	1928
2005	1995	1986	1977	1918
2004	1993	1984	1965	1904
2003	1992	1982	1950	1887
2002	1991	1981	1947	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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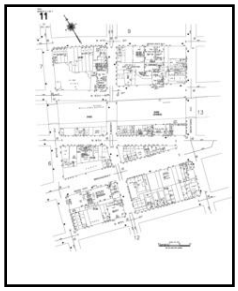
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets

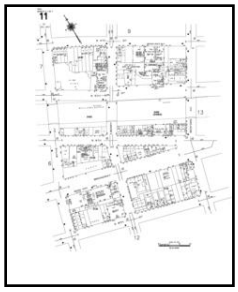
Volume 3, Sheet 9



Volume 3, Sheet 11

2006 Source Sheets

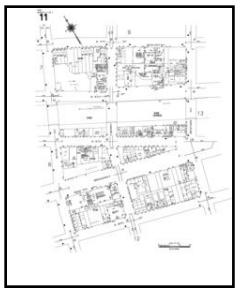
Volume 3, Sheet 9



Volume 3, Sheet 11

2005 Source Sheets

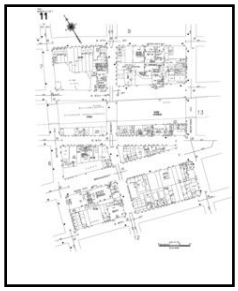
Volume 3, Sheet 9



Volume 3, Sheet 11

2004 Source Sheets

Volume 3, Sheet 9



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2003 Source Sheets

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2002 Source Sheets

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2001 Source Sheets

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1996 Source Sheets

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1995 Source Sheets

Volume 3, Sheet 9

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1993 Source Sheets

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Volume 3, Sheet 11

1992 Source Sheets

Volume 3, Sheet 9

Volume 3, Sheet 11

1991 Source Sheets

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Volume 3, Sheet 11

1989 Source Sheets

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1987 Source Sheets

Volume 3, Sheet 9

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1986 Source Sheets

Volume 3, Sheet 9

Volume 3, Sheet 11

1984 Source Sheets

Volume 3, Sheet 9

Volume 3, Sheet 11

1982 Source Sheets

Volume 3, Sheet 9

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1981 Source Sheets

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1980 Source Sheets

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1979 Source Sheets

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Volume 3, Sheet 11

1977 Source Sheets

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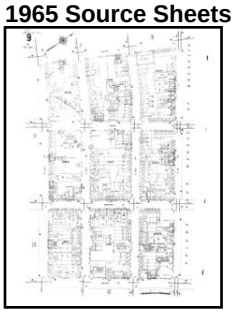
1965 Source Sheets



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1950 Source Sheets

Volume 3, Sheet 9

Volume 3, Sheet 11

1947 Source Sheets

Volume 3, Sheet 9

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1935 Source Sheets

Volume 3, Sheet 9

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1928 Source Sheets

Volume Pier Maps, Sheet 42

1918 Source Sheets

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Volume 3, Sheet 11

1904 Source Sheets

Volume 3, Sheet 9

Volume 3, Sheet 11

1887 Source Sheets

Volume 4, Sheet 103

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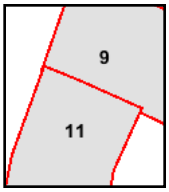

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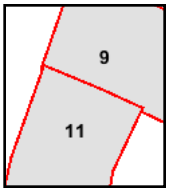

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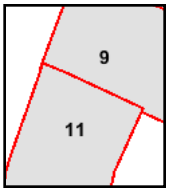

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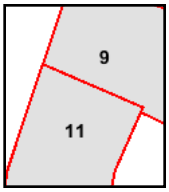

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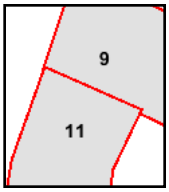

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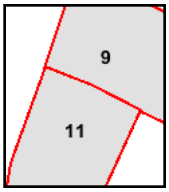

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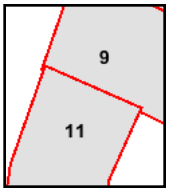

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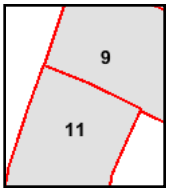

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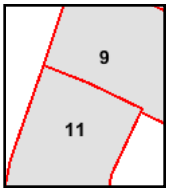

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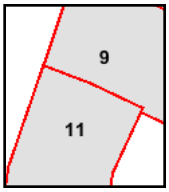

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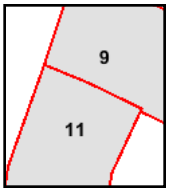

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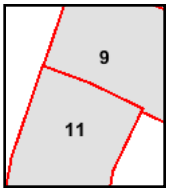

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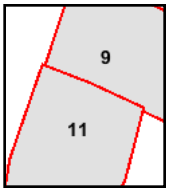

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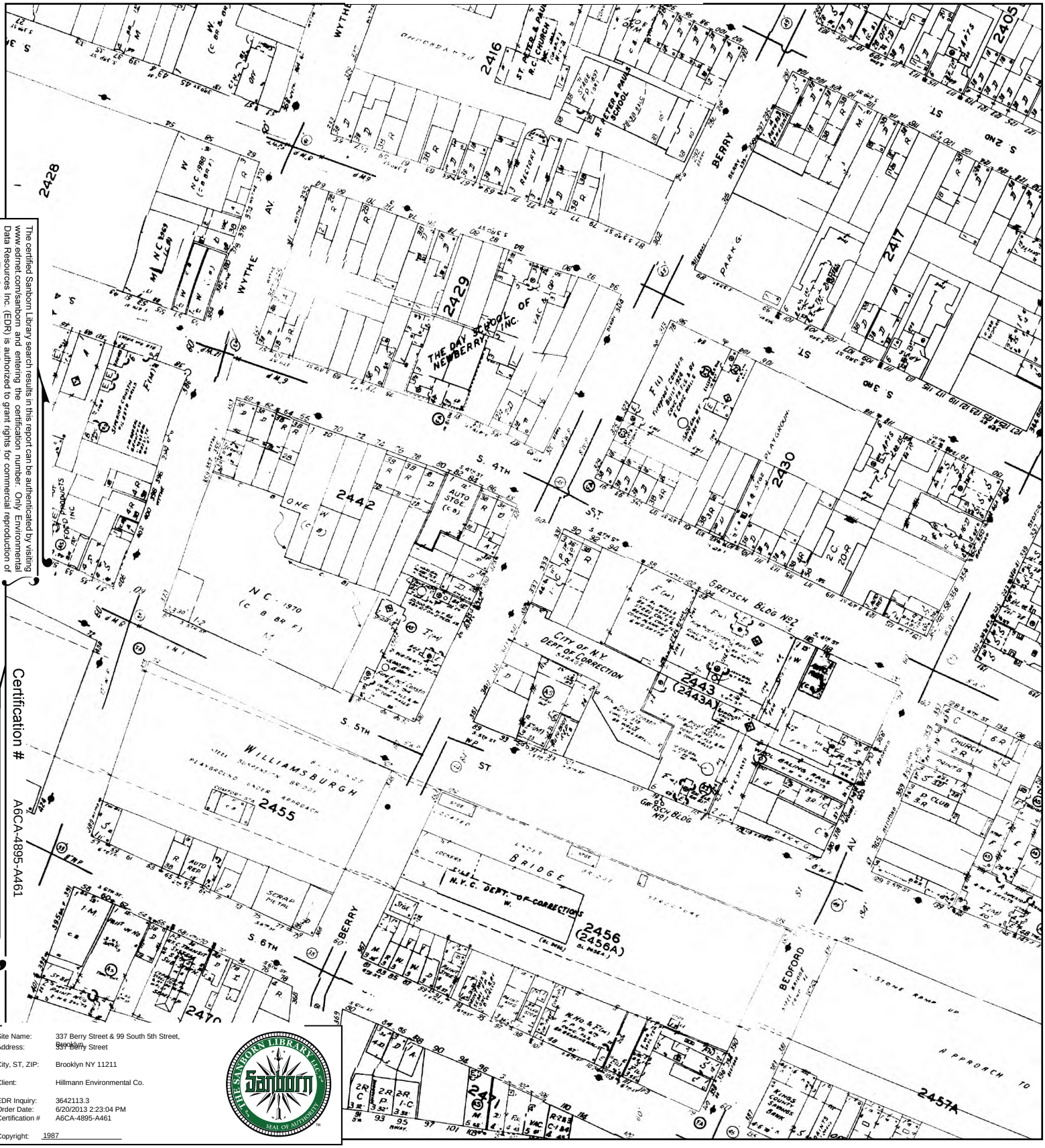

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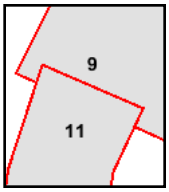

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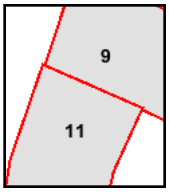

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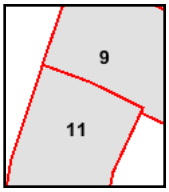

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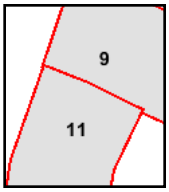

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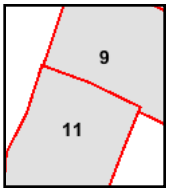

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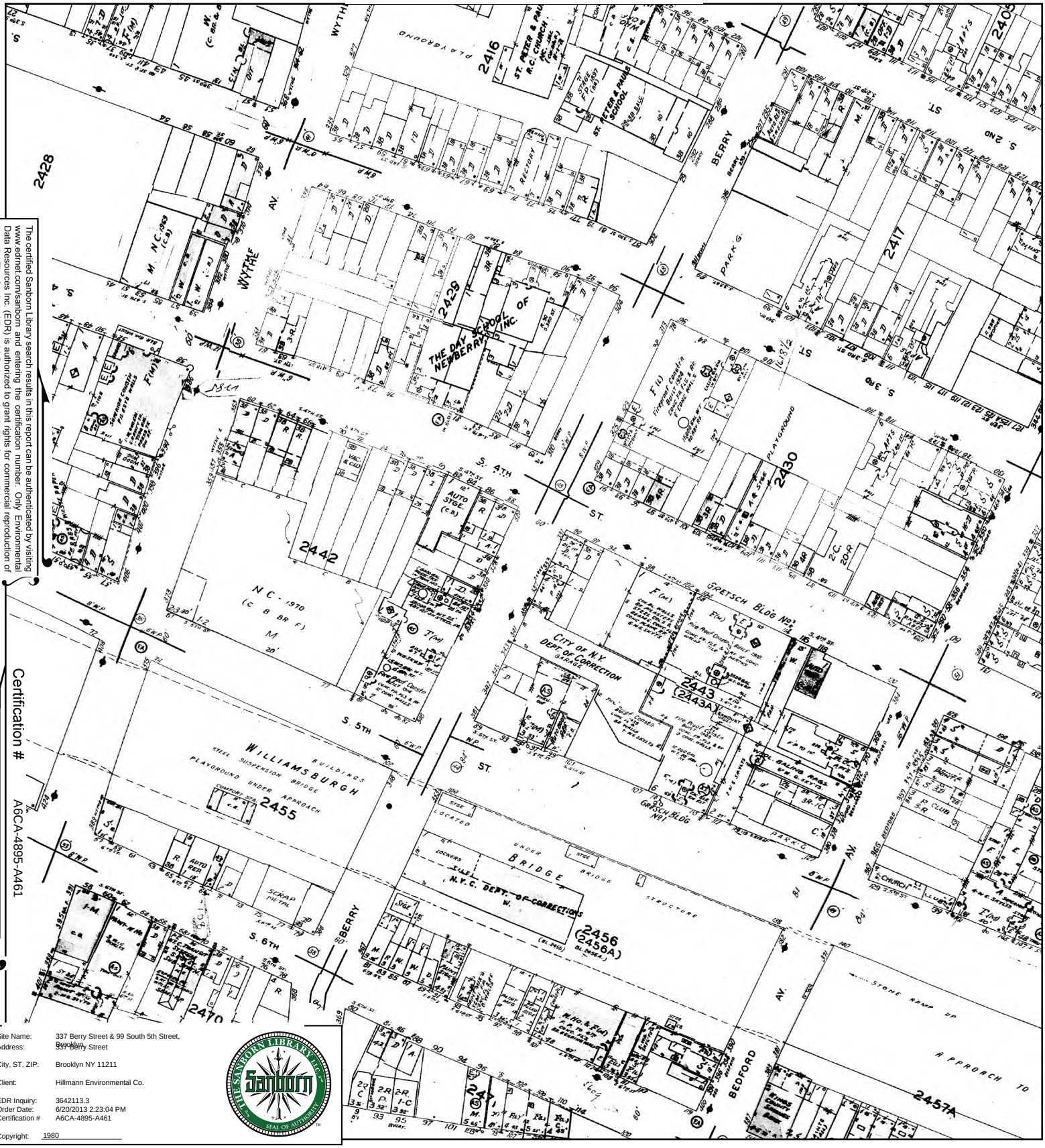
1980 Certified Sanborn Map



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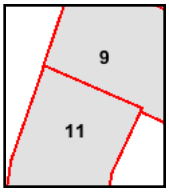

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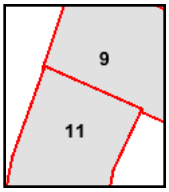

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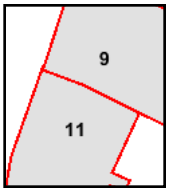

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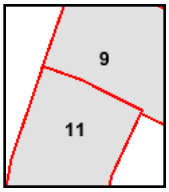
Address:	337 Berry Street
City, ST, ZIP:	Brooklyn NY 11211
Client:	Hillmann Environmental Co.
EDR Inquiry:	3642113.3
Order Date:	6/20/2013 2:23:04 PM
Certification #	A6CA-4895-A461
Copyright:	1965

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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N

1950 Certified Sanborn Map

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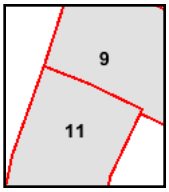
Certification # A6CA-4895-A461

Site Name:	337 Berry Street & 99 South 5th Street, Brooklyn
Address:	337 Berry Street
City, ST, ZIP:	Brooklyn NY 11211
Client:	Hillmann Environmental Co.
EDR Inquiry:	3642113.3
Order Date:	6/20/2013 2:23:04 PM
Certification #	A6CA-4895-A461
Copyright:	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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N

1947 Certified Sanborn Map

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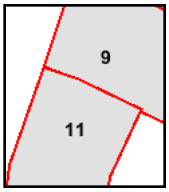
Certification # A6CA-4895-A461

Site Name:	337 Berry Street & 99 South 5th Street, Brooklyn
Address:	337 Berry Street
City, ST, ZIP:	Brooklyn NY 11211
Client:	Hillmann Environmental Co.
EDR Inquiry:	3642113.3
Order Date:	6/20/2013 2:23:04 PM
Certification #	A6CA-4895-A461
Copyright:	1947

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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N

1935 Certified Sanborn Map

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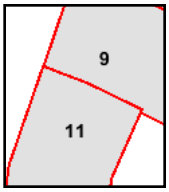
Certification # A6CA-4895-A461

Site Name:	337 Berry Street & 99 South 5th Street, Brooklyn
Address:	337 Berry Street
City, ST, ZIP:	Brooklyn NY 11211
Client:	Hillmann Environmental Co.
EDR Inquiry:	3642113.3
Order Date:	6/20/2013 2:23:04 PM
Certification #	A6CA-4895-A461
Copyright:	1935

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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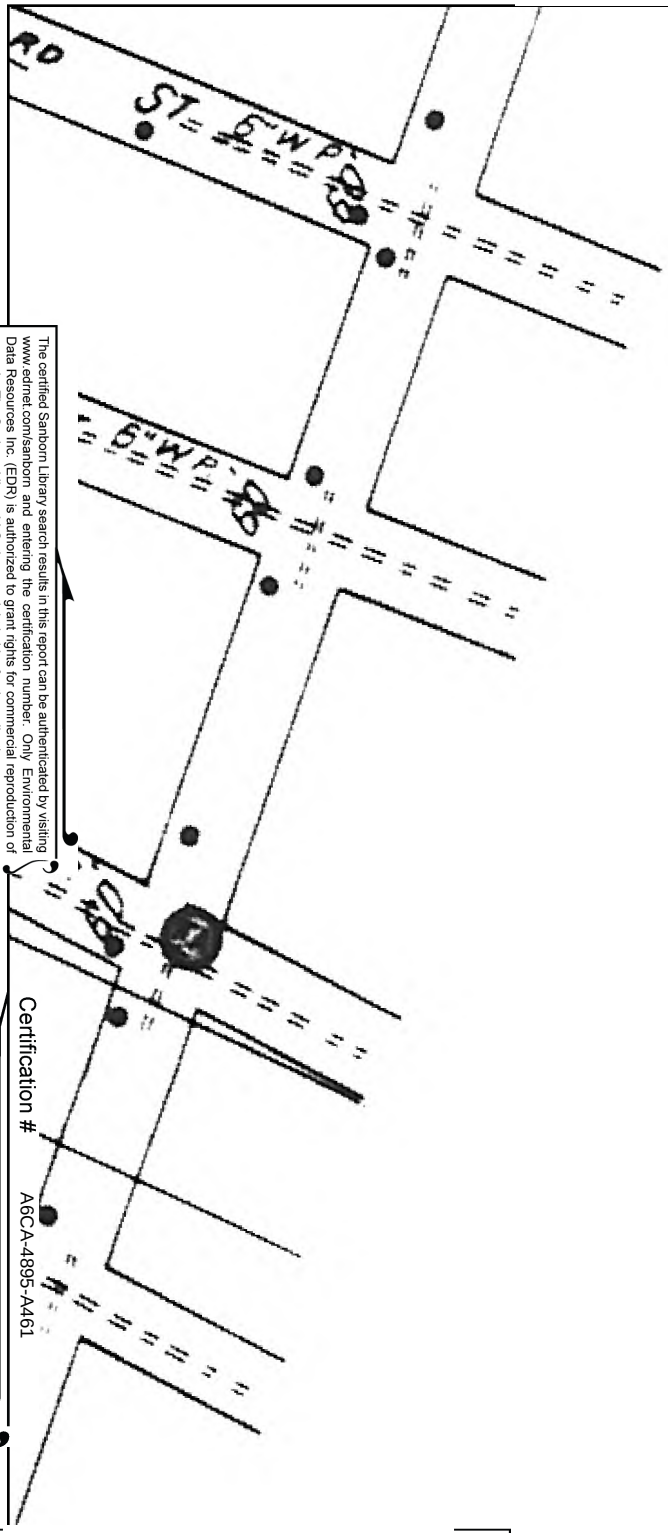
N

1928 Certified Sanborn Map



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # A6CA-4895-A461

Site Name:	337 Berry Street & 99 South 5th Street, Brooklyn
Address:	337 Berry Street
City, ST, ZIP:	Brooklyn NY 11211
Client:	Hillmann Environmental Co.
EDR Inquiry:	3642113.3
Order Date:	6/20/2013 2:23:04 PM
Certification #	A6CA-4895-A461
Copyright:	1928

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

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Volume Pier Maps, Sheet 42

N

1918 Certified Sanborn Map

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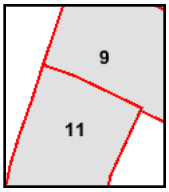
Certification # A6CA-4895-A461

Site Name:	337 Berry Street & 99 South 5th Street, Brooklyn
Address:	337 Berry Street
City, ST, ZIP:	Brooklyn NY 11211
Client:	Hillmann Environmental Co.
EDR Inquiry:	3642113.3
Order Date:	6/20/2013 2:23:04 PM
Certification #	A6CA-4895-A461
Copyright:	1918

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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N

1904 Certified Sanborn Map

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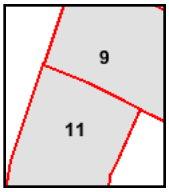
Certification # A6CA-4895-A461

Site Name:	337 Berry Street & 99 South 5th Street, Brooklyn
Address:	337 Berry Street
City, ST, ZIP:	Brooklyn NY 11211
Client:	Hillmann Environmental Co.
EDR Inquiry:	3642113.3
Order Date:	6/20/2013 2:23:04 PM
Certification #	A6CA-4895-A461
Copyright:	1904

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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N

1887 Certified Sanborn Map

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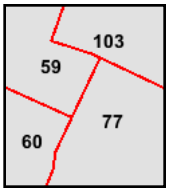
Certification # A6CA-4895-A461

Site Name:	337 Berry Street & 99 South 5th Street, Brooklyn
Address:	337 Berry Street
City, ST, ZIP:	Brooklyn NY 11211
Client:	Hillmann Environmental Co.
EDR Inquiry:	3642113.3
Order Date:	6/20/2013 2:23:04 PM
Certification #	A6CA-4895-A461
Copyright:	1887

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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Volume 3, Sheet 60
Volume 3, Sheet 77

N

337 Berry Street & 99 South 5th Street, Brooklyn,
337 Berry Street
Brooklyn, NY 11211

Inquiry Number: 3642113.5
June 20, 2013

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2012. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2012	Cole Information Services	X	X	X	-
2007	Cole Information Services	X	X	X	-
2005	Hill-Donnelly Corporation	X	X	X	-
2000	Cole Information Services	X	X	X	-
1997	NYNEX	X	X	X	-
1992	NYNEX Informantion Resource Co.	X	X	X	-
1985	NYNEX Information Resources Company	X	X	X	-
1980	New York Telephone	-	X	X	-
1976	New York Telephone	X	X	X	-
1973	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
1965	New York Telephone	-	X	X	-
1960	New York Telephone	X	X	X	-
	New York Telephone Company	X	X	X	-
1949	New York Telephone	-	-	-	-
1945	New York Telephone	-	-	-	-
1940	New York Telephone	-	-	-	-
1934	R. L. Polk & Co.	-	X	X	-
1928	New York Telephone	X	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
99 South 5th Street	Client Entered	X
101 South 5th Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

337 Berry Street
Brooklyn, NY 11211

FINDINGS DETAIL

Target Property research detail.

BERRY

337 BERRY

Year	Uses	Source
1992	ARCHITECTURAL SALVAGE WAREHOUSE	NYNEX Informantion Resource Co.
1985	BRI DEN CONSTR INC	NYNEX Information Resources Company
1976	NEW YORK CITY OF CORRECTION DEPT OF KINGS CNTY HOSP PRISON WARD	New York Telephone
1960	NY CITY OF DETENTION PENS ADOLESCENT COURT	New York Telephone
1928	PUBLIC SCHOOLS BARO OF BKLYN	New York Telephone

BERRY ST

337 BERRY ST

Year	Uses	Source
2012	ARCHITECTURAL SALVAGE WAREHOUSE	Cole Information Services
2007	ARCHITECTURAL SALVAGE WAREHOUSE	Cole Information Services
2005	Architectural Salvage Wrhse	Hill-Donnelly Corporation
2000	ARCHTOTRL SALVAGE	Cole Information Services
1997	Architectural Salvage Warehouse	NYNEX

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

5TH AVE

101 5TH AVE

Year	Uses	Source
2007	R & A CYCLE INC	Cole Information Services

BERRY

328 BERRY

Year	Uses	Source
1992	SANDBERG M	NYNEX Informantion Resource Co.
	SHANNON TONI	NYNEX Informantion Resource Co.
	VANPATTAN MICHAEL	NYNEX Informantion Resource Co.
	LAVIGNE MORGAN	NYNEX Informantion Resource Co.
1985	SEALEY JESUS	NYNEX Information Resources Company
	LEON CIELO	NYNEX Information Resources Company
1976	CLAVELL MIGUEL	New York Telephone
1960	CLAVELL MIGUEL	New York Telephone
1934	MERVISH SYDNEY FORMN H	R. L. Polk & Co.
	LOWE JOHN CHAUF H	R. L. Polk & Co.
	KOROSHOFF NOY PDLR H	R. L. Polk & Co.
	GAMSEN BENJ MASON H DO	R. L. Polk & Co.
	GAMSEN SOL CHAUF R	R. L. Polk & Co.
	KOROSHOFF DAVID PDLR H	R. L. Polk & Co.

330 BERRY

Year	Uses	Source
1992	CARABALLO ANTONIO	NYNEX Informantion Resource Co.
1985	CALDERON JUANA	NYNEX Information Resources Company
	VELAZQUEZ FEMANDO	NYNEX Information Resources Company
1980	VARGAS CARMAN T	New York Telephone
1960	ZEMETRA EDW	New York Telephone
	PENZYNSKI STANLEY C	New York Telephone
1934	ZAPOROWICZ	R. L. Polk & Co.
	BREMER DELIA H	R. L. Polk & Co.
	BEDARF BERNARD ENG H	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1928	CUNNINGHAM HELEN C MISS R	New York Telephone

332 BERRY

Year	Uses	Source
1976	SOTO JOSE M	New York Telephone
1928	MONE THOS MRS R	New York Telephone

333 BERRY

Year	Uses	Source
1992	TAYLOR ERIC	NYNEX Informantion Resource Co.
	WILDERS REGAN	NYNEX Informantion Resource Co.
	TAYLOR ERIC	NYNEX Informantion Resource Co.
	WOOKS ROGH	NYNEX Informantion Resource Co.
1985	RIVAS MARIA	NYNEX Information Resources Company
1976	KLIMAS PAT	New York Telephone
	SHKLANKO STEPHEN	New York Telephone
1960	KLIMAS PATRICIA	New York Telephone
	SHKLANKO HELEN	New York Telephone
1934	MALEKOFF JOS CHAUF R	R. L. Polk & Co.
	MALEKOFF MAX LAB H	R. L. Polk & Co.
	EASTMAN MICHL CHAUF H	R. L. Polk & Co.
	KRAINER JOS STATIONER H DO	R. L. Polk & Co.

335 BERRY

Year	Uses	Source
1928	LOUIS LOUIE B TLR	New York Telephone

336 BERRY

Year	Uses	Source
1928	HIRSCH MORRIS	New York Telephone

BERRY ST

328 BERRY ST

Year	Uses	Source
2005	h Serrano W	Hill-Donnelly Corporation
2000	LEE SHAPLEY	Cole Information Services
	W SERRANO	Cole Information Services
	TANIA M MILLER	Cole Information Services
	JULIE BEST	Cole Information Services

FINDINGS

Year	Uses	Source
1997	SERRANO W	NYNEX
1973	Clavell Leida	New York Telephone
	Clavell Miguel	New York Telephone
1970	Clavell Miguel	New York Telephone
1965	Clavell Miguel	New York Telephone
1960	Clavell Miguel	New York Telephone Company

330 BERRY ST

Year	Uses	Source
2007	MIXTAPE MERCHANTS INC	Cole Information Services
2005	Pierce Aaron	Hill-Donnelly Corporation
2000	JEFFERY WILSON	Cole Information Services
	DAVID ROSENBERG	Cole Information Services
	FABIAN LAMBRECHT	Cole Information Services
	JUHI BAIG	Cole Information Services
1997	WEBSTER Meg	NYNEX
	VELAZQUEZ Elias	NYNEX
1973	Sobkowicz Aurelina Mrs	New York Telephone
	Velazquez Fernando	New York Telephone
1970	Velazquez Fernando	New York Telephone
	Sobkowicz Aurelina Mrs	New York Telephone
1965	Sobkeowcz Aurelina Mrs	New York Telephone
1960	Penzynski Stanley C	New York Telephone Company

332 BERRY ST

Year	Uses	Source
2012	SIMPLE SILHOUETTES	Cole Information Services
2005	h Dallepezze Christina	Hill-Donnelly Corporation
1973	Smolinski John	New York Telephone
1970	Smolinski John	New York Telephone
1965	Smolinski John	New York Telephone

333 BERRY ST

Year	Uses	Source
2005	Shifley Laura	Hill-Donnelly Corporation
2000	MATTHEW VANDOLEN	Cole Information Services
	MATTHEW VANDOLEN	Cole Information Services
	3 DAVID GREENHOUSE	Cole Information Services
	ORHAN CAYLAK	Cole Information Services

FINDINGS

Year	Uses	Source
2000	APARTMENTS	Cole Information Services
1997	GREENHOUSE David	NYNEX
	CURRY Sandra Byrd	NYNEX
	AMIDON G	NYNEX
1973	Klimas Pat	New York Telephone
1970	Klimas Patricia	New York Telephone
1965	Klimas Patricia	New York Telephone
1960	Klimas Patricia	New York Telephone Company

S 4TH ST

90 S 4TH ST

Year	Uses	Source
2012	SOUTH 4TH	Cole Information Services
	SOUTH 4TH	Cole Information Services

South 5th Street

101 South 5th Street

Year	Uses	Source
1965	Wenzel Alice Mrs	New York Telephone
1934	GRAFF EMIL CHAUF H	R. L. Polk & Co.
	COHEN JULIA R	R. L. Polk & Co.
	NUSS EDW AUTO MECH H	R. L. Polk & Co.
	NUSS LOUELLA NURSE R	R. L. Polk & Co.
	PRASKICWICH STEILA HSEKPR R	R. L. Polk & Co.

99 South 5th Street

Year	Uses	Source
1970	Joe & Mannys Auto Reprs	New York Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
337 Berry Street	1980, 1973, 1970, 1965, 1949, 1945, 1940, 1934

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
101 5TH AVE	2012, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
101 South 5th Street	2012, 2007, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1928
328 BERRY	2012, 2007, 2005, 2000, 1997, 1980, 1973, 1970, 1965, 1949, 1945, 1940, 1928
328 BERRY ST	2012, 2007, 1992, 1985, 1980, 1976, 1949, 1945, 1940, 1934, 1928
330 BERRY	2012, 2007, 2005, 2000, 1997, 1976, 1973, 1970, 1965, 1949, 1945, 1940
330 BERRY ST	2012, 2007, 1992, 1985, 1980, 1976, 1949, 1945, 1940, 1934, 1928
330 BERRY ST	2012, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
332 BERRY	2012, 2007, 2005, 2000, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
332 BERRY ST	2012, 2007, 2000, 1997, 1992, 1985, 1980, 1976, 1960, 1949, 1945, 1940, 1934, 1928
332 BERRY ST	2007, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
333 BERRY	2012, 2007, 2005, 2000, 1997, 1980, 1973, 1970, 1965, 1949, 1945, 1940, 1928
333 BERRY ST	2012, 2007, 1992, 1985, 1980, 1976, 1949, 1945, 1940, 1934, 1928
335 BERRY	2012, 2007, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
336 BERRY	2012, 2007, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
90 S 4TH ST	2007, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
99 South 5th Street	2012, 2007, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928

APPENDIX D

REFERENCE DOCUMENTATION / LABORATORY RESULTS (if applicable)

Property Detail Report

For Property Located At :
99 S 5TH ST, BROOKLYN, NY 11211

CoreLogic RealQuest Professional

Owner Information

Owner Name:	**D C A S**
Mailing Address:	**1 CENTRE ST #2000N, NEW YORK NY 10007-1604 C017**
Vesting Codes:	**/ /**

Location Information

Legal Description:			
County:	**BROOKLYN, NY**	APN:	**02443-0041**
Census Tract / Block:	**525.00 / 1**	Alternate APN:	**02443-00041**
Township-Range-Sect:	**06-00-08**	Subdivision:	
Legal Book/Page:		Map Reference:	**08-06-10 / 6822-B4**
Legal Lot:	**41**	Tract #:	
Legal Block:	**2443**	School District:	**3620580**
Market Area:		Munic/Township:	
Neighbor Code:	**30**		

Owner Transfer Information

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information

Recording/Sale Date:	**12/01/1972 /**	1st Mtg Amount/Type:	**/**
Sale Price:		1st Mtg Int. Rate/Type:	**/**
Sale Type:		1st Mtg Document #:	
Document #:		2nd Mtg Amount/Type:	**/**
Deed Type:	**DEED (REG)**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	
New Construction:		Multi/Split Sale:	
Title Company:			
Lender:			
Seller Name:			

Prior Sale Information

Prior Rec/Sale Date:	**/**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:		Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:			

Property Characteristics

Year Built / Eff:	**/**	Total Rooms/Offices		Garage Area:	
Gross Area:		Total Restrooms:		Garage Capacity:	
Building Area:		Roof Type:		Parking Spaces:	
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:		Air Cond:	
# of Stories:		Foundation:		Pool:	
Other Improvements:		Exterior wall:		Quality:	
		Basement Area:		Condition:	

Site Information

Zoning:	**M1-2/R6**	Acres:	**0.03**	County Use:	**VACANT NOT ZONED RESIDENTIAL (V1)**
Lot Area:	**1,171**	Lot Width/Depth:	**25 x 47**	State Use:	
Land Use:	**VACANT LAND (NEC)**	Commercial Units:		Water Type:	
Site Influence:		Sewer Type:		Building Class:	**V1**

Tax Information

Total Value:	**$56,000**	Assessed Year:	**2012**	Property Tax:	**$2,185.00**
Land Value:	**$56,000**	Improved %:		Tax Area:	**4**
Improvement Value:		Tax Year:	**2012**	Tax Exemption:	**MISC**
Total Taxable Value:	**$25,200**				

Property Detail Report

For Property Located At :
101 S 5TH ST, BROOKLYN, NY 11211

CoreLogic RealQuest Professional

Owner Information

Owner Name:	**HOUSING PRESERVATION & DEVELOPMENT**
Mailing Address:	**134 BROADWAY #77, BROOKLYN NY 11249-6031 C007**
Vesting Codes:	**/ /**

Location Information

Legal Description:			
County:	**BROOKLYN, NY**	APN:	**02443-0037**
Census Tract / Block:	**525.00 / 1**	Alternate APN:	**02443-00037**
Township-Range-Sect:	**06-00-08**	Subdivision:	
Legal Book/Page:		Map Reference:	**08-06-10 / 6822-B4**
Legal Lot:	**37**	Tract #:	
Legal Block:	**2443**	School District:	**3620580**
Market Area:		Munic/Township:	
Neighbor Code:	**30**		

Owner Transfer Information

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information

Recording/Sale Date:	**04/01/1951 /**	1st Mtg Amount/Type:	**/**
Sale Price:		1st Mtg Int. Rate/Type:	**/**
Sale Type:		1st Mtg Document #:	
Document #:		2nd Mtg Amount/Type:	**/**
Deed Type:	**DEED (REG)**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	
New Construction:		Multi/Split Sale:	
Title Company:			
Lender:			
Seller Name:			

Prior Sale Information

Prior Rec/Sale Date:	**/**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:		Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:			

Property Characteristics

Year Built / Eff:	**/**	Total Rooms/Offices		Garage Area:	
Gross Area:		Total Restrooms:		Garage Capacity:	
Building Area:		Roof Type:		Parking Spaces:	
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:		Air Cond:	
# of Stories:		Foundation:		Pool:	
Other Improvements:		Exterior wall:		Quality:	
		Basement Area:		Condition:	

Site Information

Zoning:	**M1-2/R6**	Acres:	**0.16**	County Use:	**VACANT NOT ZONED RESIDENTIAL (V1)**
Lot Area:	**6,929**	Lot Width/Depth:	**100 x 69**	State Use:	
Land Use:	**VACANT LAND (NEC)**	Commercial Units:		Water Type:	
Site Influence:		Sewer Type:		Building Class:	**V1**

Tax Information

Total Value:	**$204,000**	Assessed Year:	**2012**	Property Tax:	**$8,955.96**
Land Value:	**$204,000**	Improved %:		Tax Area:	**4**
Improvement Value:		Tax Year:	**2012**	Tax Exemption:	**MISC**
Total Taxable Value:	**$91,800**				

Property Detail Report

For Property Located At :
337 BERRY ST, BROOKLYN, NY 11249-5113

CoreLogic RealQuest Professional

Owner Information

Owner Name:	**LANDMARK PRESERVATION COMMISSION**
Mailing Address:	**225 BROADWAY, NEW YORK NY 10007-3001 C006**
Vesting Codes:	**/ /**

Location Information

Legal Description:			
County:	**BROOKLYN, NY**	APN:	**02443-0006**
Census Tract / Block:	**549.00 / 2**	Alternate APN:	**02443-00006**
Township-Range-Sect:	**06-00-08**	Subdivision:	
Legal Book/Page:		Map Reference:	**08-06-10 / 6822-A4**
Legal Lot:	**6**	Tract #:	
Legal Block:	**2443**	School District:	**3620580**
Market Area:		Munic/Township:	
Neighbor Code:	**30**		

Owner Transfer Information

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information

Recording/Sale Date:	**/**	1st Mtg Amount/Type:	**/**
Sale Price:		1st Mtg Int. Rate/Type:	**/**
Sale Type:		1st Mtg Document #:	
Document #:		2nd Mtg Amount/Type:	**/**
Deed Type:		2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	
New Construction:		Multi/Split Sale:	
Title Company:			
Lender:			
Seller Name:			

Prior Sale Information

Prior Rec/Sale Date:	**/**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:		Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:			

Property Characteristics

Year Built / Eff:	**/ 1938**	Total Rooms/Offices		Garage Area:	
Gross Area:	**10,000**	Total Restrooms:		Garage Capacity:	
Building Area:	**10,000**	Roof Type:		Parking Spaces:	
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:		Air Cond:	
# of Stories:	**1.00**	Foundation:		Pool:	
Other Improvements:		Exterior wall:		Quality:	
		Basement Area:		Condition:	

Site Information

Zoning:	**M1-2/R6**	Acres:	**0.12**	County Use:	**WAREHSE MISCELLANEOUS (E9)**
Lot Area:	**5,097**	Lot Width/Depth:	**49 x 104**	State Use:	
Land Use:	**WAREHOUSE**	Commercial Units:		Water Type:	
Site Influence:		Sewer Type:		Building Class:	**E9**

Tax Information

Total Value:	**$601,000**	Assessed Year:	**2012**	Property Tax:	
Land Value:	**$400,000**	Improved %:	**33%**	Tax Area:	**4**
Improvement Value:	**$201,000**	Tax Year:		Tax Exemption:	**MISC**
Total Taxable Value:					

FINANCE NEW YORK
MARTHA E. STARK
COMMISSIONER

NYC Digital Tax Map

Effective Date : 12-05-2008 13:18:24
End Date : Current
Brooklyn Block: 2443

Legend

- Streets
- Miscellaneous Text
- Possession Hooks
- Boundary Lines
- Lot Face Possession Hooks
- Regular
- Underwater
- Tax Lot Polygon
- Condo Number
- Tax Block Polygon

FINANCE
NEW • YORK
MARTHA E. STARK
COMMISSIONER

N
W E
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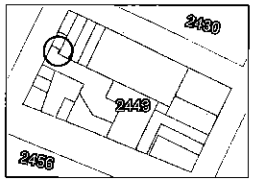
NYC Digital Tax Map

Effective Date : 12-05-2008 13:18:24
End Date : Current

Brooklyn Block: 2443 Inset: 1



Legend

- Streets
- Miscellaneous Text
- Possession Hooks
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- Lot Face Possession Hooks
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- Tax Lot Polygon
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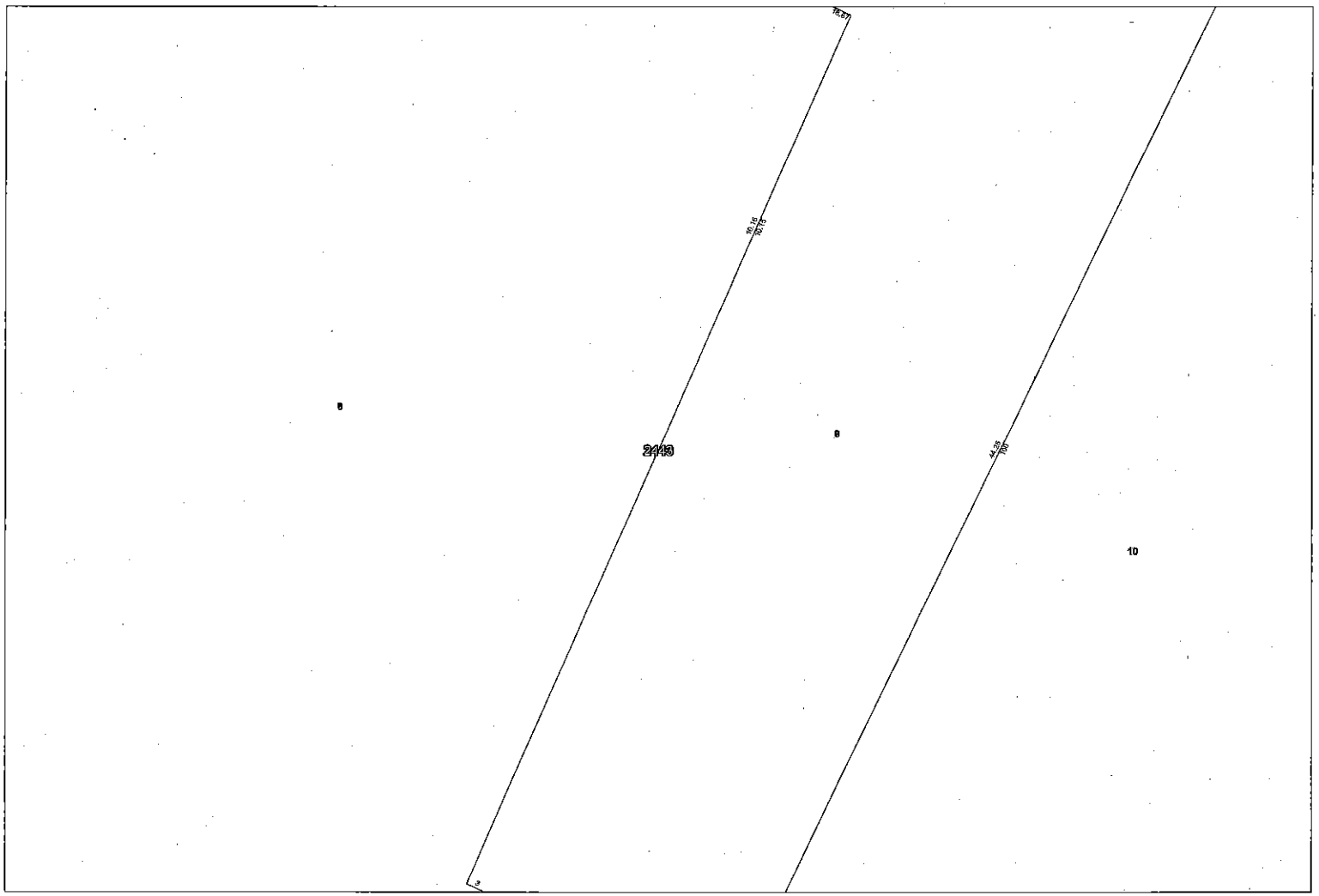

Feet
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Instructions for Application for Records under FOIL

Completion of this form is voluntary. However, it will expedite access to the records you seek, if available.

- Please identify the types of records being requested.
  Description of the bureaus and/or records they retain are as follows:
  - **Agency Chief Contracting Office (ACCO)**: Contracts, Bids and Procurement records
  - **Bureau of Customer Services (BCS)**: Water bills, water metering
  - **Bureau of Environmental Compliance (BEC)**:
    - Asbestos Control Program, Hazardous Materials response
    - Air and Noise Permits and inspection records
  - **Environmental Control Board (ECB)** - Notices of Violation and decisions (please indicate NOV #)
  - **Bureau of Environmental Design and Constrcution (BEDC)** - design and construction of wastewater treatment plants, water-supply related projects and infrastructure projects
  - **Office of Environmental Planning and Assessment (OEPA)** - SEQRA/CEQR and other environmental review-related records
  - **Bureau of Wastewater Treatment (BWT)** - Industrial pretreatment program, sewer discharge violations, operation of wastewater treatment plants
  - **Bureau of Water and Sewer Operations (BWSO)**- water and sewer main repair
  - **Bureau of Water Supply (BWS)** - Watershed/aqueduct/reservoir operations, water quality
  - **DEP Police** - Reports for watershed- area law enforcement incidents

- Please indicate whether you want to receive copies or you want to inspect the records prior to copies being made.
- Please describe, with the greatest amount of detail possible, the type of records you are requesting. Include, if available and when applicable, complaint numbers, contract numbers, addresses, block and lot information, Notice of Violation number, specific time frames or date of incident/occurrence, name of document/form, and account numbers. **Please DO NOT request information about more than one account, NOV, property, etc. per form.** Please use a separate form for each separate request.
- Please provide your name, firm/company name, address, phone number and e-mail address to where you want the response addressed.
- Please, either mail or fax the form to the DEP Records Access Officer at the address and number listed on the form. DO NOT FAX AND MAIL THE FORM.
- You will receive an acknowledgment of receipt of the request. After the search has been performed, bureau personnel will contact you to inform you of the results of the search.
- Please do not send payment for records until such time it has been requested. Copying fees are $.25 per page.

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 – New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Either send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373, or fax to (718) 595-6543. **DO NOT FAX AND MAIL.**

PART I. APPLICATION – Check type of record(s) requested:

- ☐ Bid/ Procurement (ACCO)
- ☑ Asbestos (BEC)
- ☑ Hazardous materials emergency response (BEC)
- ☑ Right To Know (BEC)
- ☑ Air permits/complaints/ inspections (BEC)
- ☐ Noise complaints/ inspections (BEC)
- ☑ Notices of Violation and decisions (ECB)
- ☑ Environmental Review/SEQRA (OEPA)
- ☑ Industrial Pretreatment/ sewer discharge violations (BWT)
- ☐ Water main/line repair/construction (BWSO)
- ☐ Sewer main/line repair/construction (BWSO)
- ☐ Water Quality (BWS/WQ)
- ☐ Watershed/ reservoir operations (BWS)
- ☐ Watershed area incident reports (DEP PD)
- ☐ Water bill accounts/ metering (BCS)
- ☐ Personnel records (HRM)
- ☐ Wastewater Treatment Plant operations (BWT)
- ☐ _____

I hereby apply to ○ inspect or ◉ receive copies of the following records (use additional sheets as needed and attach):
Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase 1 Environmental Site Assessment.
Location: 337 Berry Street & 99-101 S 5th Street, Brooklyn, NY - Block: 2443, Lots: 6, 41 & 37
Time frame/date of records: All

Name: Joanne Bedkowski Phone: (908) 688-7800 E-Mail: jbedkowski@hillmanngroup.com
Firm: Hillmann Consulting, LLC
Address: 1600 Route 22 East City Union State NJ Zip Code 07083
Signature: Joanne Bedkowski Date: 6/20/13

PART II. DISPOSITION OF REQUEST (*TO BE COMPLETED BY THE DEPARTMENT*)

☐ **APPROVED** ☐ **APPROVED IN PART** - - To arrange for access to the records, please contact:

_____ _____ _____
(Department Representative) (Bureau) (Phone No.)
Number of Pages:_____ x$.25 per page = Cost:_____

☐ **DENIED** ☐ **DENIED IN PART** - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.

- ☐ Exempt: State/Fed. Statute (2(a))
- ☐ Invasion of personal privacy (2(b))
- ☐ Competitive position injury (2(d))
- ☐ Exempt: Law Enforcement (2(e))
- ☐ Inter/Intra-agency material (2(g))
- ☐ (Other)_____

Brief Description of records not subject to disclosure_____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

☐ **UNAVAILABLE** - - for reason(s) checked:

- ☐ Not described in sufficient detail
- ☐ Not maintained by this Department
- ☐ After search, no records responsive to request located
- ☐ (Other)_____

LOG NO.:_____

(Department Representative) **(Bureau)** **(Date)**

•• ☐ Fee Waived •• ☐ Check/M.O. received •• ☐ Check/M.O. requested DOC# 050901

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

SECTION A **CUSTOMER INFORMATION**

Please print the required information below.

Hillmann Consulting, LLC - Joanne Bedkowski
Name

1600 Route 22 East
Address

Union, NJ 07083
State Zip Code

908-688-7800, Fax: 908-686-2636
Telephone Number

OFFICE USE ONLY

Cashier / Search No.

PRU Staff
Accepted By/Initials: _____

Searched By: _____

Total Amount: _____

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the **NYC Fire Department** and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH**.

SECTION B **FUEL TANK REPORT - FEE $10.00 / PER REPORT**

337	Berry Street	Brooklyn
House Number	Street Name	Borough

- [x] THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- [x] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- [ ] MOST RECENT TANK / PIPING TEST RESULTS
- [ ] HISTORY OF BURIED TANKS LEAKS

Note: Requests will be responded to within 10 business days.

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

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PRU Staff
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Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the **NYC Fire Department** and a stamped **self-addressed envelope (with postage)**. Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH**.

SECTION B **FUEL TANK REPORT - FEE $10.00 / PER REPORT**

99-101	South 5th Street	Brooklyn
House Number	Street Name	Borough

- [x] THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- [x] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- [ ] MOST RECENT TANK / PIPING TEST RESULTS
- [ ] HISTORY OF BURIED TANKS LEAKS

Note: Requests will be responded to within 10 business days.

HILLMANN
CONSULTING

June 20, 2013

NYSDEC Region 2 Office
1 Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101

To Whom It May Concern:

Hillmann Consulting, LLC would like to request records for properties located at:

337 Berry Street, Brooklyn, NY – Block: 2443, Lot: 6
99-101 South 5th Street, Brooklyn, NY – Block: 2443, Lots: 41 & 37

We are looking for records regarding above and underground storage tanks, violations and/or permits, spills, hazardous materials and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. My contact information is listed below.

Joanne Bedkowski
Hillmann Consulting, LLC
1600 Route 22 East
Union, NJ 07083
Phone: (908) 688-7800
Fax: (908) 686-2636
E-mail: jbedkowski@hillmanngroup.com

Thank You,
HILLMANN CONSULTING, LLC

Joanne Bedkowski

Joanne Bedkowski
Project Coordinator

NYC Buildings

NYC.gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

337 BERRY STREET		**BROOKLYN 11249**		**BIN# 3063424**	
BERRY STREET	337 - 341	**Health Area**	: 500	**Tax Block**	: 2443
		Census Tract	: 549	**Tax Lot**	: 6
		Community Board	: 301	**Condo**	: NO
		Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	SOUTH 4 STREET, SOUTH 5 STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		
Additional Designation(s):	GW - GREENPOINT-WILLIAMSBURG ANTI-HARASSMENT		

Special District: MX-8 - MIXED USE-8 (GREENPOINT-WILLIAMSBURG, BK)

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: E9-WAREHOUSE

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	1	0
Violations-DOB	14	14
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Actions	54	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC .gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

C of O PDF Listing for Property

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424 Block: 2443 Lot: 6**

Download the **Adobe Acrobat Reader** if you are unable to open the PDF files

To report a problem with any of these images, please use the **CO Image Problem Form**

CERT 105700-42(TEMPEXP8/13/42:	B000105700.PDF
CERT 109479-43:	B000109479.PDF

Back

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

Form 33-10M-21441 114

DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF BROOKLYN, CITY OF NEW YORK

RBC

No. 105700

Date June 2, 1942

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the [redacted] altered [redacted] building—premises located at 359/41 Berry St., East Side, 90' South of South 4th St. (337 Displayed) Block 2445 Lot 6

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

[redacted] B.F. #673/42 Construction classification— Fireproof

Occupancy classification— Garage . Height 1 stories, --- feet.

Date of completion— Const. 5/18/42 Fl. 5/25/42 . Located in Unrestricted Use District.

-- Area . Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED MALE	FEMALE	TOTAL	USE
First	Ground	-	-	-	Garage for more than Five (5) Cars
	TOTAL:	Public Garage			

TEMPORARY - NINETY (90) DAYS

EXPIRES AUGUST 31, 1942

Carroll Clarke

For Borough Superintendent.

(Page 1)

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHAL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change rearrangement in the structural parts of the building, or affecting the light and ventilation of any part there or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing height shall be made; nor shall the building be moved from one location or position to another; nor shall the by any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certifie

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in th construction in any story shall not exceed the live loads specified on reverse side; the number of persons of eith sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of perso in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fix by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possessio or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as ma be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtainin the special certificates required for the use and operation of elevators; nor from the installation of fire alar systems where required by law; nor from complying with any lawful order for additional fire extinguishin appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful orde issued with the object of maintaining the building in a safe or lawful condition; nor from complying with an authorized direction to remove encroachments into a public highway or other public place, whether attached t or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicate on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all th provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under th jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replace by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspecte and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted o the reverse side, and that on information and belief, since that date there has been no alteration or conversio to a use that changed its classification as defined in the Building Code, or that would necessitate compliance wit some special requirement or with the State Labor Law or any other law or ordinance; that there are no notice of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646 of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to th Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place o premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF BROOKLYN , CITY OF NEW YORK

EBC

No. 109179

Date

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.13.1. to 2.13.7. Building Code.)

This certificate supersedes C. O. No. 105700

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~—altered ~~existing~~—building—premises located at 339/41 Barry St., East Side, 90' South of South 4th St. (337 Diag)

Block 2443 Lot 5

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~Alteration~~ B.N. 673/42

Construction classification—Fireproof

Occupancy classification— Public Garage Height 1 stories, ~~---~~ feet

Date of completion—Const. 2/16/43 Fl. 11/5/43 SD 11/9/43 Located in Unrestricted Use District

Area Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolution of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

Resolution 58-43-A Adopted October 26, 1943, Bulletin 44, Volume 28

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
First	Ground	-	-	-	Public Garage for more than five (5) Cars

TOTAL: Public Garage for more than five (5) cars

NOTE: FIRE DEPARTMENT APPROVAL DATED NOVEMBER 8, 1943

Carroll E. Clark

Borough Superintendent

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SH BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no chan rearrangement in the structural parts of the building, or affecting the light and ventilation of any part th or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increas height shall be made; nor shall the building be moved from one location or position to another; nor shall by any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is ce

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses construction in any story shall not exceed the live loads specified on reverse side; the number of persons of sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of p in any story exceed the specified total; and the use to which any story may be put shall be restricted to tha by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in pos or control of the building, or any part thereof from obtaining such other permits, licenses or approvals be prescribed by law for the uses or purposes for which the building is designed or intended; nor from ob the special certificates required for the use and operation of elevators; nor from the installation of fire systems where required by law; nor from complying with any lawful order for additional fire exting appliances under the discretionary powers of the fire commissioner; nor from complying with any lawfu issued with the object of maintaining the building in a safe or lawful condition; nor from complying w authorized direction to remove encroachments into a public highway or other public place, whether atta or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building i on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to provisions and conditions applying to a final or permanent certificate; it is not applicable to any building u jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly i and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as n the reverse side, and that on information and belief, since that date there has been no alteration or co to a use that changed its classification as defined in the Building Code, or that would necessitate complia some special requirement or with the State Labor Law or any other law or ordinance; that there are no of violations or orders pending in the Department of Housing and Buildings at this time; that Secti of the New York City Charter has been complied with as certified by a report of the Fire Commissione Borough Superintendent, and that, so long as the building is not altered, except by permission of the Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous su articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extin equipment are required by law to be or are installed, until the fire commissioner has tested and inspected certified his approval in writing of the installation of such containers, systems or equipment to the Superintendent of the borough in which the installation has been made. Such approval shall be rec the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

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DOB Violation Display for 091697LL6291226239

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424** **Block: 2443** **Lot: 6**

Issue Date:	09/16/1997	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	226239	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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DOB Violation Display for 031699LL629118056

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424** **Block: 2443** **Lot: 6**

Issue Date:	03/16/1999	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	18056	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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DOB Violation Display for 020700LL629118335

Premises: 337 BERRY STREET BROOKLYN **BIN:** 3063424 **Block:** 2443 **Lot:** 6

Issue Date:	02/07/2000	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	18335	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 022701LL629117865

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424 Block: 2443 Lot: 6**

Issue Date:	02/27/2001	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	17865	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 032602LL629118905

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424** **Block: 2443** **Lot: 6**

Issue Date:	03/26/2002	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	18905	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 031903LL629117613

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424** **Block: 2443** **Lot: 6**

Issue Date:	03/19/2003	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	17613	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 021304LL629114727

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424** **Block: 2443** **Lot: 6**

Issue Date:	02/13/2004	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	14727	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 013105LL629113560

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424** **Block: 2443** **Lot: 6**

Issue Date:	01/31/2005	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	13560	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 010606LL629112639

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424 Block: 2443 Lot: 6**

Issue Date:	01/06/2006	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	12639	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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DOB Violation Display for 011907LL629113180

Premises: 337 BERRY STREET BROOKLYN **BIN:** 3063424 **Block:** 2443 **Lot:** 6

Issue Date:	01/19/2007	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	13180	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 010308LL629112746

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424 Block: 2443 Lot: 6**

Issue Date:	01/03/2008	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	12746	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 010109LL629112709

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424 Block: 2443 Lot: 6**

Issue Date:	01/01/2009	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LL6291 - LOCAL LAW 62/91 - BOILERS		
Violation Number:	12709	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 123109LBLVIO13102

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424 Block: 2443 Lot: 6**

Issue Date:	12/31/2009	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LBLVIO - LOW PRESSURE BOILER		
Violation Number:	13102	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:			
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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DOB Violation Display for 030113LBLVIO25265

Premises: 337 BERRY STREET BROOKLYN **BIN:** 3063424 **Block:** 2443 **Lot:** 6

Issue Date:	03/01/2013	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	LBLVIO - LOW PRESSURE BOILER		
Violation Number:	25265	**Device No.:**	00068866 - 02-COMMERCIAL
ECB No.:			
Infraction Codes:			
Description:	VIOLATION ISSUED FOR FAILURE TO FILE ANNUAL BOILER 2011 INSPECTION REPORT		

Disposition:
Code: **Date:**
Inspector:
Comments:

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Property Profile Overview

NO PREVIOUSLY ISSUED PERMITS FOUND FOR THIS PROPERTY

337 BERRY STREET		BROOKLYN 11249		BIN# 3063424	
BERRY STREET	337 - 341	Health Area	: 500	Tax Block	: 2443
		Census Tract	: 549	Tax Lot	: 6
		Community Board	: 301	Condo	: NO
		Buildings on Lot	: 1	Vacant	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	SOUTH 4 STREET, SOUTH 5 STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		
Additional Designation(s):	GW - GREENPOINT-WILLIAMSBURG ANTI-HARASSMENT		

Special District: MX-8 - MIXED USE-8 (GREENPOINT-WILLIAMSBURG, BK)

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: E9-WAREHOUSE

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	1	0
Violations-DOB	14	14
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Actions	54	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

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Boiler Details

Premises: 337 BERRY STREET BROOKLYN **BIN:** 3063424 **Block:** 2443 **Lot:** 6

Boiler-No: 68866 **Serial-No:** 02 **Type:** COMMERCIAL LOW PRESSURE

Boiler Status: ACTIVE **Review Required:**

Filed At: 335 BERRY STREET **BIN:** 3063424 **BBL:** 3-02443-00006

Located in:

Make of Boiler: **Year:**

Over6: No **No-of-Boilers:** 02

Fee: No **School:**

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NYC DEP Boiler Information

Premises: 337 BERRY STREET BROOKLYN **BIN: 3063424 Block: 2443 Lot: 6**

***THERE IS NO DEP BOILER INFORMATION AVAILABLE FOR THIS BOROUGH / BLOCK / LOT**

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Property Profile Overview

OBSOLETE BIN RETAINED FOR HISTORICAL PURPOSE ONLY

99 SOUTH 5 STREET		**BROOKLYN 11249**		**BIN# 3063434**	
SOUTH 5 STREET	99 - 99	**Health Area**	: 500	**Tax Block**	: 2443
		Census Tract	: 549	**Tax Lot**	: 41
		Community Board	: 301	**Condo**	: NO
				Vacant	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	BERRY STREET, BEDFORD AVENUE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	BIN OBSOLETE
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		
Additional Designation(s):	GW - GREENPOINT-WILLIAMSBURG ANTI-HARASSMENT		

Special District: MX-8 - MIXED USE-8 (GREENPOINT-WILLIAMSBURG, BK)

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: V1-VACANT LAND

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	3	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	1	
ARA / LAA Jobs	0	
Total Jobs	1	
Actions	1	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

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C of O PDF Listing for Property

Premises: 99 SOUTH 5 STREET BROOKLYN **BIN: 3063434 Block: 2443 Lot: 41**

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Property Profile Overview

NO BOILER RECORDS FOUND FOR THIS PROPERTY

99 SOUTH 5 STREET		**BROOKLYN 11249**		**BIN# 3063434**	
SOUTH 5 STREET	99 - 99	**Health Area**	: 500	**Tax Block**	: 2443
		Census Tract	: 549	**Tax Lot**	: 41
		Community Board	: 301	**Condo**	: NO
				Vacant	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	BERRY STREET, BEDFORD AVENUE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	BIN OBSOLETE
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		
Additional Designation(s):	GW - GREENPOINT-WILLIAMSBURG ANTI-HARASSMENT		

Special District: MX-8 - MIXED USE-8 (GREENPOINT-WILLIAMSBURG, BK)

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: V1-VACANT LAND

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	3	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	1	
ARA / LAA Jobs	0	
Total Jobs	1	
Actions	1	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

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Property Profile Overview

105 SOUTH 5 STREET **BROOKLYN 11249** **BIN# 3827192**

SOUTH 5 STREET 105 - 105

Tax Block : 2443
Tax Lot : 37

Community Board : 301

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	YES	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		
Additional Designation(s):	GW - GREENPOINT-WILLIAMSBURG ANTI-HARASSMENT		

Special District: MX-8 - MIXED USE-8 (GREENPOINT-WILLIAMSBURG, BK)

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: V1-VACANT LAND

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	1	0
Violations-DOB	14	5
Violations-ECB (DOB)	1	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Actions	3	

OR Enter Action Type:
OR Select from List:
Select...
AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
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C of O PDF Listing for Property

Premises: 105 SOUTH 5 STREET BROOKLYN **BIN: 3827192 Block: 2443 Lot: 37**

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DOB Violation Display for 080499E9444/310970

Premises: 105 SOUTH 5 STREET BROOKLYN **BIN: 3827192 Block: 2443 Lot: 37**

Issue Date: 08/04/1999
Violation Type: E - ELEVATOR
Violation Number: 9444/310970
ECB No.:
Infraction Codes:
Description: 3F1926

Violation Category: V - DOB VIOLATION - ACTIVE
Device No.:

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 101608E9011/272559

Premises: 105 SOUTH 5 STREET BROOKLYN **BIN: 3827192 Block: 2443 Lot: 37**

Issue Date: 10/16/2008 **Violation Category:** V - DOB VIOLATION - ACTIVE
Violation Type: E - ELEVATOR
Violation Number: 9011/272559 **Device No.:** 003F1926
ECB No.:
Infraction Codes:
Description:

Disposition:
Code: **Date:**
Inspector:
Comments:

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

DOB Violation Display for 060310E9027/340050

Premises: 105 SOUTH 5 STREET BROOKLYN **BIN: 3827192 Block: 2443 Lot: 37**

Issue Date: 06/03/2010 **Violation Category:** V - DOB VIOLATION - ACTIVE
Violation Type: E - ELEVATOR
Violation Number: 9027/340050 **Device No.:** 003F1926
ECB No.:
Infraction Codes:
Description:

Disposition:
Code: **Date:**
Inspector:
Comments:

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NYC Department of Buildings

DOB Violation Display for 100112EVCAT102861

Premises: 105 SOUTH 5 STREET BROOKLYN **BIN: 3827192 Block: 2443 Lot: 37**

Issue Date:	10/01/2012	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	EVCAT1 - ELEVATOR ANNUAL INSPECTION / TEST		
Violation Number:	02861	**Device No.:**	E1187573
ECB No.:			
Infraction Codes:			
Description:	VIOLATION ISSUED TO ELEVATOR-FAILURE TO FILE CATEGORY 1 2011 INSPECTION/TEST		

Disposition:
Code: **Date:**
Inspector:
Comments:

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

DOB Violation Display for 011413E9027/458282

Premises: 105 SOUTH 5 STREET BROOKLYN **BIN: 3827192 Block: 2443 Lot: 37**

Issue Date: 01/14/2013 **Violation Category:** V - DOB VIOLATION - ACTIVE
Violation Type: E - ELEVATOR
Violation Number: 9027/458282 **Device No.:** 003F1926
ECB No.:
Infraction Codes:
Description:

Disposition:
Code: **Date:**
Inspector:
Comments:

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Property Profile Overview

NO PREVIOUSLY ISSUED PERMITS FOUND FOR THIS PROPERTY

105 SOUTH 5 STREET **BROOKLYN 11249** **BIN# 3827192**

SOUTH 5 STREET 105 - 105

Tax Block : 2443
Tax Lot : 37

Community Board : 301

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	YES	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		
Additional Designation(s):	GW - GREENPOINT-WILLIAMSBURG ANTI-HARASSMENT		

Special District: MX-8 - MIXED USE-8 (GREENPOINT-WILLIAMSBURG, BK)

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: V1-VACANT LAND

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	1	0
Violations-DOB	14	5
Violations-ECB (DOB)	1	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Actions	3	

OR Enter Action Type:
OR Select from List:
Select...
AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

Property Profile Overview

NO BOILER RECORDS FOUND FOR THIS PROPERTY

105 SOUTH 5 STREET **BROOKLYN 11249** **BIN# 3827192**

SOUTH 5 STREET 105 - 105

Tax Block : 2443
Tax Lot : 37

Community Board : 301

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	YES	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		
Additional Designation(s):	GW - GREENPOINT-WILLIAMSBURG ANTI-HARASSMENT		

Special District: MX-8 - MIXED USE-8 (GREENPOINT-WILLIAMSBURG, BK)

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: V1-VACANT LAND

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	1	0
Violations-DOB	14	5
Violations-ECB (DOB)	1	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Actions	3	

OR Enter Action Type:
OR Select from List:
Select...
AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

APPENDIX E

REGULATORY DATABASE REPORT

337 Berry Street & 99 South 5th Street, Brooklyn, NY
337 Berry Street
Brooklyn, NY 11211

Inquiry Number: 3642113.2s
June 20, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	764
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
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Physical Setting Source Records Searched	A-38

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

337 BERRY STREET
BROOKLYN, NY 11211

COORDINATES

Latitude (North):	40.7122000 - 40˚ 42' 43.92''
Longitude (West):	73.9646000 - 73˚ 57' 52.56''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	587459.4
UTM Y (Meters):	4507113.5
Elevation:	45 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2010, 2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LOT 41,TAXBLOCK 2443 99 SOUTH 5 STREET BROOKLYN, NY 11211	NY E DESIGNATION	N/A
LOT 6,TAXBLOCK 2443 337 BERRY STREET BROOKLYN, NY 11211	NY E DESIGNATION	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY VAPOR REOPENED ..... Vapor Intrusion Legacy Site List

State and tribal leaking storage tank lists

NY HIST LTANKS ..... Listing of Leaking Storage Tanks
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY CBS UST ..... Chemical Bulk Storage Database
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY ENG CONTROLS ..... Registry of Engineering Controls

NY RES DECL ..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
NY SWTIRE ..... Registered Waste Tire Storage & Facility List
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
NY DEL SHWS ..... Delisted Registry Sites
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
NY LIENS ..... Spill Liens Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
NY Hist Spills ..... SPILLS Database
NY SPILLS 90 ..... SPILLS 90 data from FirstSearch
NY SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
US MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
SSTS ..... Section 7 Tracking Systems
ICIS ..... Integrated Compliance Information System

EXECUTIVE SUMMARY

MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
NY HSWDS	Hazardous Substance Waste Disposal Site Inventory
NY UIC	Underground Injection Control Wells
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
NY COAL ASH	Coal Ash Disposal Site Listing
NY Financial Assurance	Financial Assurance Information Listing
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PRP	Potentially Responsible Parties
PCB TRANSFORMER	PCB Transformer Registration Database
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
COAL ASH DOE	Steam-Electric Plant Operation Data

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 02/04/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FYN PAINT AND LACQUER CO., INC	230 KENT AVENUE	N 1/4 - 1/2 (0.340 mi.)	AY213	692

EXECUTIVE SUMMARY

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 02/12/2013 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RADIAC RESEARCH CORP	***33 S 1ST ST***	***NNW 1/8 - 1/4 (0.219 mi.)***	***AV185***	***547***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 02/12/2013 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RADIAC RESEARCH CORP	***33 S 1ST ST***	***NNW 1/8 - 1/4 (0.219 mi.)***	***AV185***	***547***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDOT - WILLIAMSBURG BRIDGE	***WILLIAMSBURG BRIDGE***	***W 0 - 1/8 (0.107 mi.)***	***P64***	***141***
424 WYTHE AVENUE	424 WYTHE AVENUE	W 1/8 - 1/4 (0.132 mi.)	U92	235

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHROMIUM PLATING & POLISHING	***373 WYTHE AVE***	***W 0 - 1/8 (0.080 mi.)***	***H29***	***58***
NYCT - BROADWAY & S 6TH ST SUB	70 S 6TH ST	SW 0 - 1/8 (0.096 mi.)	M58	129

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 6 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	774 DRIGGS AVE	E 1/8 - 1/4 (0.183 mi.)	AI139	384
REPUBLIC BANK FOR SAVINGS	***175 BROADWAY***	***SE 1/8 - 1/4 (0.191 mi.)***	***AJ150***	***403***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDOT 413 WYETH AVE	***WILLIAMSBURG BRIDGE***	***SW 1/8 - 1/4 (0.167 mi.)***	***116***	***304***
H & B PLASTICS PLATING	***299 WYTHE AVE***	***N 1/8 - 1/4 (0.175 mi.)***	***AC124***	***347***
RADIAC RESEARCH CORP	***33 S 1ST ST***	***NNW 1/8 - 1/4 (0.219 mi.)***	***AV185***	***547***
CON EDISON	BERRY ST & S 9TH ST	SSW 1/8 - 1/4 (0.236 mi.)	204	666

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 03/21/2013 has revealed that there are 3 NY SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BQE/ANSBACHER COLOR & DYE FACT	MEEKER AVENUE	ENE 1/2 - 1 (0.611 mi.)	234	754
Class Code: Does not present a significant threat to the public health or the environment - action may be deferred.				
K - WILLIAMSBURG WORKS	KENT AVE & 12TH STREET	NNE 1/2 - 1 (0.812 mi.)	237	757
NAVAL STATION-BROOKLYN, TRANSF	***FLUSHING AVENUE***	***S 1/2 - 1 (0.908 mi.)***	***238***	***758***

EXECUTIVE SUMMARY

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the NY SWF/LF list, as provided by EDR, and dated 01/07/2013 has revealed that there are 7 NY SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOCAL TRANSFER STATION	353 BERRY STREET	SSW 0 - 1/8 (0.043 mi.)	B11	24
LOT 16,TAXBLOCK 2469	***426 WYTHE AVENUE***	***WSW 0 - 1/8 (0.114 mi.)***	***R70***	***177***
POLICE CARS UNLIMITED INC	60 SOUTH 2ND STREET	NNW 1/8 - 1/4 (0.157 mi.)	Z111	297
CONTAINER SERVICE CORP.	36 BROADWAY	SW 1/8 - 1/4 (0.185 mi.)	AF145	396
BJR REALTY CORP.	***6O SOUTH 2ND STREET (WY***	***NNW 1/8 - 1/4 (0.197 mi.)***	***AL158***	***436***
V. M. TRANSFER; LTD.(CARDELLA)	***175 KENT AVE***	***N 1/4 - 1/2 (0.421 mi.)***	***225***	***725***
JORAL CARTING INC.	***157 KENT AVE.***	***N 1/4 - 1/2 (0.447 mi.)***	***228***	***735***

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 04/05/2013 has revealed that there are 24 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
108 SOUTH 2ND STREET	108 SOUTH 2ND ST	NNE 0 - 1/8 (0.123 mi.)	N80	197
Spill Number/Closed Date: 9913287 / 3/7/2000				
Not reported	SOUTH 8TH ST	SE 1/4 - 1/2 (0.274 mi.)	207	672
Spill Number/Closed Date: 0007650 / 2/5/2004				
240 BROADWAY	240 BROADWAY	SE 1/4 - 1/2 (0.310 mi.)	209	685
Spill Number/Closed Date: 0008979 / 9/27/2005				
INDEPENDENCE TOWERS	***130 CLYMER STREET***	***S 1/4 - 1/2 (0.411 mi.)***	***224***	***715***
Spill Number/Closed Date: 0412712 / 3/7/2005				
Spill Number/Closed Date: 9500365 / 6/19/1995				
Spill Number/Closed Date: 9503391 / Not Reported				
Spill Number/Closed Date: 9315458 / 4/20/1995				
Spill Number/Closed Date: 9601867 / 12/11/2007				
X	190 WILSON ST	SSE 1/4 - 1/2 (0.444 mi.)	227	734
Spill Number/Closed Date: 0306837 / 3/27/2008				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHROMIUM PLATING & POLISHING	***373 WYTHE AVE***	***W 0 - 1/8 (0.080 mi.)***	***H29***	***58***
Spill Number/Closed Date: 8801453 / 3/4/1994				
BTWN NERRY ST & WHITE ST	65 SOUTH 3RD STREET	NNW 0 - 1/8 (0.083 mi.)	F34	79
Spill Number/Closed Date: 9401369 / 11/22/1996				
97 BROADWAY	97 BROADWAY	SSW 0 - 1/8 (0.123 mi.)	T82	200
Spill Number/Closed Date: 0330029 / 3/28/2006				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
3147 BROADWAY Spill Number/Closed Date: 9502935 / 6/8/1995	3147 BROADWAY	WSW 1/8 - 1/4 (0.182 mi.)	AF137	381
SOUTH 2ND AVE & KENT AVE Spill Number/Closed Date: 8800834 / 4/28/1988	SOUTH 2ND AVE & KENT AV	NNW 1/8 - 1/4 (0.208 mi.)	AL168	472
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8710648 / 3/4/2003	390 KENT AVE	WSW 1/8 - 1/4 (0.209 mi.)	AM169	473
D61 KENT AVE. BKLYN/RADIA Spill Number/Closed Date: 8605975 / 8/5/1987	261 KENT AVE.	NNW 1/4 - 1/2 (0.264 mi.)	206	671
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 9008048 / 3/4/2003	263 SOUTH 4TH STREET	ESE 1/4 - 1/2 (0.332 mi.)	210	686
NORTH 1ST ST TERMINAL Spill Number/Closed Date: 9009234 / 11/24/1990	***NORTH 1ST ST & KENT AVE***	***N 1/4 - 1/2 (0.335 mi.)***	***AY211***	***687***
APT BLDG Spill Number/Closed Date: 0301649 / 6/7/2004	***60 DIVISION AVE***	***SSW 1/4 - 1/2 (0.356 mi.)***	***214***	***693***
46-11 METROPOLITAN AVE Spill Number/Closed Date: 9505833 / 12/12/1996	46-11 METROPOLITAN AVE	N 1/4 - 1/2 (0.373 mi.)	AZ216	696
APARTMENT BUILDING Spill Number/Closed Date: 0600214 / 11/17/2006	265 SOUTH 2ND ST	E 1/4 - 1/2 (0.389 mi.)	BA218	697
274 SOUTH 2ND ST Spill Number/Closed Date: 9607724 / 10/29/1996	274 SOUTH 2ND ST	E 1/4 - 1/2 (0.400 mi.)	BA220	709
METROPOLITAIN AVE AND Spill Number/Closed Date: 9713408 / 3/4/1998	ROEBLING ST	ENE 1/4 - 1/2 (0.402 mi.)	221	710
273 SOUTH SECOND STREET Spill Number/Closed Date: 9712027 / 4/4/2005	273 SOUTH SECOND STREET	E 1/4 - 1/2 (0.403 mi.)	BA222	711
APARTMENT BLDG Spill Number/Closed Date: 0600215 / 11/17/2006	***278 SOUTH 2ND ST***	***E 1/4 - 1/2 (0.408 mi.)***	***BA223***	***712***
ST VINCENT DE PAUL R C CHURCH Spill Number/Closed Date: 0301163 / 12/21/2005	***167 N 6TH ST***	***NE 1/4 - 1/2 (0.483 mi.)***	***229***	***737***
Not reported Spill Number/Closed Date: 0104288 / 12/12/2003	179 N 6TH STREET	NE 1/4 - 1/2 (0.493 mi.)	BB231	750
MARTIN GURSHON Spill Number/Closed Date: 0902485 / 11/20/2009	***179 NORTH 6TH STREET***	***NE 1/4 - 1/2 (0.493 mi.)***	***BB232***	***751***

State and tribal registered storage tank lists

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, and dated 04/02/2013 has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DRIGGS REALTY CO.	854-862 DRIGGS AVENUE	SSE 1/8 - 1/4 (0.212 mi.)	AR175	486

EXECUTIVE SUMMARY

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 04/02/2013 has revealed that there are 21 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BEDFORD LOFT, LLC	364-368 BEDFORD AVENUE	ESE 0 - 1/8 (0.086 mi.)	I41	97
145 SOUTH 4TH STREET	***145 SOUTH 4TH STREET***	***ESE 0 - 1/8 (0.120 mi.)***	***Q77***	***188***
SS PETER & PAULS R C CHURCH	***86 SOUTH 2ND ST***	***N 1/8 - 1/4 (0.128 mi.)***	***88***	***209***
155 N 4TH ST	***155 NORTH 4TH STREET***	***ESE 1/8 - 1/4 (0.145 mi.)***	***X98***	***252***
SOUTH FIRST STREET ASSOCIATES,	299 BEDFORD AVE	NE 1/8 - 1/4 (0.178 mi.)	AD131	364
ENGINE COMPANY 221	161 SOUTH 2ND STREET	ENE 1/8 - 1/4 (0.185 mi.)	AG141	388
HSBC	***175 BROADWAY***	***SE 1/8 - 1/4 (0.191 mi.)***	***AJ151***	***405***
PETER LUGER INC.	178 BROADWAY	SE 1/8 - 1/4 (0.191 mi.)	AJ152	410
FORMAN FAMILY INC	***185-195 BROADWAY***	***SE 1/8 - 1/4 (0.203 mi.)***	***AJ163***	***456***
197-201 BROADWAY	***197-201 BROADWAY***	***SE 1/8 - 1/4 (0.229 mi.)***	***AX198***	***645***

Lower Elevation	Address	Direction / Distance	Map ID	Page
VERY BERRY, LLC	338 BERRY STREET	SSW 0 - 1/8 (0.023 mi.)	A7	18
50 SOUTH 4TH STREET	***50 S 4TH ST***	***NW 0 - 1/8 (0.091 mi.)***	***K54***	***120***
424 WYTHE AVENUE	***424 WYTHE AVENUE***	***W 1/8 - 1/4 (0.132 mi.)***	***U91***	***219***
120 SOUTH 8TH STREET	120 SOUTH 8TH STREET	S 1/8 - 1/4 (0.182 mi.)	AH135	373
4 G'S TRUCK RENTING CO.,INC.	***389 KENT AVENUE***	***WSW 1/8 - 1/4 (0.202 mi.)***	***AM161***	***444***
DCAS KENT AVE SHOPS	***390 KENT AVENUE***	***WSW 1/8 - 1/4 (0.209 mi.)***	***AM171***	***477***
11 BROADWAY	***11 BROADWAY***	***WSW 1/8 - 1/4 (0.212 mi.)***	***AS176***	***486***
MOBIL S/S 17-BJ4	***11 BROADWAY (KENT AVE)***	***WSW 1/8 - 1/4 (0.212 mi.)***	***AS177***	***515***
21GS TRUCK RENTING	***395 KENT AVENUE***	***WSW 1/8 - 1/4 (0.213 mi.)***	***AM179***	***527***
WATERVIEW GARDENS LLC	***44 SOUTH 8TH ST***	***SW 1/8 - 1/4 (0.218 mi.)***	***AU183***	***541***
GRAND SUITES, LLC	128-134 GRAND STREET	NNE 1/8 - 1/4 (0.220 mi.)	AK189	617

NY MOSF UST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the NY MOSF UST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY MOSF UST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TATE & LYLE NORTH AMERICAN SUG	49 SOUTH SECOND STREET	NNW 1/8 - 1/4 (0.175 mi.)	AB120	326

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 04/02/2013 has revealed that there are 46 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STIER 109 LLC	109 SOUTH FIFTH STREET	SSE 0 - 1/8 (0.057 mi.)	C14	28
315 BERRY ST	***315 BERRY ST***	***NNE 0 - 1/8 (0.059 mi.)***	***E15***	***30***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
117 SOUTH 4 ST REALTY CORP	***117 SOUTH 4 ST***	***E 0 - 1/8 (0.060 mi.)***	***16***	***34***
111 SOUTH 3RD STREET	***111 SOUTH 3RD STREET***	***ENE 0 - 1/8 (0.084 mi.)***	***G35***	***81***
SANDOR GOLDBERGER	***370 BEDFORD AVE***	***ESE 0 - 1/8 (0.085 mi.)***	***I36***	***84***
118 SOUTH 3RD ST	***118 SOUTH 3RD ST***	***ENE 0 - 1/8 (0.085 mi.)***	***G37***	***87***
124 SOUTH 3RD STREET	***124 SOUTH 3RD STREET***	***ENE 0 - 1/8 (0.096 mi.)***	***L57***	***126***
339-41 BEDFORD AVENUE	***339-41 BEDFORD AVENUE***	***E 0 - 1/8 (0.102 mi.)***	***L61***	***132***
S PETER & PAUL ELEM SCHOOL RC	***288 BERRY ST***	***NNE 0 - 1/8 (0.103 mi.)***	***N62***	***136***
GEORGE WANAT	***327 BEDFORD AVENUE***	***ENE 0 - 1/8 (0.122 mi.)***	***79***	***193***
115 SOUTH 2ND STREET	115 SOUTH 2ND STREET	NE 0 - 1/8 (0.125 mi.)	84	203
136 SOUTH 2ND ST.	136 SOUTH 2ND STREET	ENE 1/8 - 1/4 (0.144 mi.)	W95	242
155 N 4TH ST	***155 NORTH 4TH STREET***	***ESE 1/8 - 1/4 (0.145 mi.)***	***X98***	***252***
154-156 SOUTH 3RD STREET	***154-156 SOUTH 3RD STREE***	***E 1/8 - 1/4 (0.153 mi.)***	***AA109***	***292***
160-SOUTH 3 ASSOC.	160 SOUTH 3RD STREET	E 1/8 - 1/4 (0.165 mi.)	AA113	298
SOUTH FIRST REALTY CORP.	***90 SOUTH FIRST STREET***	***NNE 1/8 - 1/4 (0.173 mi.)***	***117***	***315***
G & S DESIGNS, INC.	***314-326 WYTHE AVE.***	***NNE 1/8 - 1/4 (0.173 mi.)***	***118***	***318***
GEORGE WANAT	***314 BEDFORD AVE***	***NE 1/8 - 1/4 (0.176 mi.)***	***AD126***	***355***
SOUTHSIDE MANAGEMENT CORP	159 SOUTH 2ND STREET	ENE 1/8 - 1/4 (0.181 mi.)	AG134	371
171 SO 4 ST	***171 SO 4 ST***	***ESE 1/8 - 1/4 (0.183 mi.)***	***AE140***	***385***
ENGINE COMPANY 221	161 SOUTH 2ND STREET	ENE 1/8 - 1/4 (0.185 mi.)	AG143	391
PETER LUGER INC.	***178 BROADWAY***	***SE 1/8 - 1/4 (0.191 mi.)***	***AJ153***	***412***
P.S. 84	***250 BERRY STREET***	***NNE 1/8 - 1/4 (0.197 mi.)***	***AK157***	***431***
DANIEL ANDREYCZUK	***287 BEDFORD AVE***	***NE 1/8 - 1/4 (0.204 mi.)***	***AN165***	***465***
WILYESH REALTY CORP	143 SOUTH 8THSTREET	SSE 1/8 - 1/4 (0.206 mi.)	AO166	468
156 SOUTH FIRST STREET	156 SOUTH FIRST STREET	ENE 1/8 - 1/4 (0.210 mi.)	AP172	481
743 DRIGGS AVE	743 DRIGGS AVE	E 1/8 - 1/4 (0.210 mi.)	AQ174	484
STATEST REALTY CORP.	***182 SOUTH 3RD STREET***	***E 1/8 - 1/4 (0.213 mi.)***	***AT178***	***524***
DRIGBY CORP	***853 DRIGGS AVE***	***SSE 1/8 - 1/4 (0.213 mi.)***	***AR180***	***533***
160 SOUTH 1ST ST	***160 SOUTH 1ST ST***	***ENE 1/8 - 1/4 (0.215 mi.)***	***AP182***	***537***
184 SOUTH SECOND ST	184 SOUTH SECOND ST	E 1/8 - 1/4 (0.223 mi.)	AQ194	628
GEORGE WANAT	***292 BEDFORD AVE***	***NE 1/8 - 1/4 (0.226 mi.)***	***196***	***638***
728-730 DRIGGS AVENUE	***728-730 DRIGGS AVENUE***	***ENE 1/8 - 1/4 (0.227 mi.)***	***197***	***641***
P.S. 50	***183 SOUTH 3RD STREET***	***E 1/8 - 1/4 (0.230 mi.)***	***AT201***	***657***
188 SOUTH SECOND ST	188 SOUTH SECOND ST	E 1/8 - 1/4 (0.230 mi.)	AQ202	662
195 SOUTH 4TH STREET	***195 SOUTH 4TH STREET***	***ESE 1/8 - 1/4 (0.237 mi.)***	***205***	***667***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHROMIUM PLATING & POLISHING C	***373 WYTHE AVE***	***W 0 - 1/8 (0.080 mi.)***	***H26***	***52***
97-101 BROADWAY	97-101 BROADWAY	SSW 0 - 1/8 (0.123 mi.)	T81	198
381 BERRY ST	***381 BERRY ST***	***SSW 1/8 - 1/4 (0.130 mi.)***	***T89***	***212***
100 BWAY	***100 BROADWAY***	***SSW 1/8 - 1/4 (0.130 mi.)***	***T90***	***215***
EASTERN SILVER CO	***60 BROADWAY***	***SW 1/8 - 1/4 (0.150 mi.)***	***V108***	***287***
CK INVESTORS	395 BEDFORD AVENUE	SSE 1/8 - 1/4 (0.156 mi.)	110	295
97 SOUTH 8 STREET	***97 SOUTH 8 STREET***	***SSW 1/8 - 1/4 (0.177 mi.)***	***130***	***361***
NEW SQUAREREALTY LLC	14 DUNHAM PLACE	WSW 1/8 - 1/4 (0.181 mi.)	AF133	369
GABILA & SONS MFG INC	***120 SO 8TH STREET***	***S 1/8 - 1/4 (0.182 mi.)***	***AH136***	***376***
145 GRAND ST EXT	***145 GRAND ST EXT***	***NE 1/8 - 1/4 (0.223 mi.)***	***193***	***625***

EXECUTIVE SUMMARY

NY CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DOMINO SUGAR CORP.-BROOKLYN RE	49 SOUTH 2ND STREET	NNW 1/8 - 1/4 (0.175 mi.)	AB123	346

NY MOSF AST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the NY MOSF AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY MOSF AST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TATE & LYLE NORTH AMERICAN SUG	49 SOUTH SECOND STREET	NNW 1/8 - 1/4 (0.175 mi.)	AB121	328

NY MOSF: These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

A review of the NY MOSF list, as provided by EDR, and dated 04/02/2013 has revealed that there are 3 NY MOSF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DOMINO SUGAR	***316 KENT AVENUE***	***NW 1/8 - 1/4 (0.190 mi.)***	***149***	***400***
WILLIAMS MASPETH TERMINAL INC.	46-75 METROPOLITAN AVE	N 1/4 - 1/2 (0.373 mi.)	AZ217	697
IN FRONT OF	***214 KENT AVENUE***	***N 1/4 - 1/2 (0.393 mi.)***	***219***	***699***

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 04/02/2013 has revealed that there is 1 NY CBS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DOMINO SUGAR	***49 SOUTH 2ND STREET***	***NNW 1/8 - 1/4 (0.175 mi.)***	***AB119***	***321***

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the NY VCP list, as provided by EDR, and dated 03/21/2013 has revealed that there are 2 NY VCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FYN PAINT AND LACQUER CO., INC	*230 KENT AVENUE*	*N 1/4 - 1/2 (0.340 mi.)*	*AY212*	*690*
#3 BORING HOLE	*500 KENT AVE*	*SSW 1/4 - 1/2 (0.437 mi.)*	*226*	*727*

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 03/21/2013 has revealed that there are 2 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EMPTY WAREHOUSE	*431 KENT AVE*	*SW 1/4 - 1/2 (0.293 mi.)*	*208*	*673*
149 KENT AVENUE LLC	*149 KENT AVE*	*NNE 1/4 - 1/2 (0.487 mi.)*	*230*	*741*

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the NY SWRCY list, as provided by EDR, and dated 01/07/2013 has revealed that there is 1 NY SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BJR REALTY CORP.	*6O SOUTH 2ND STREET (WY*	*NNW 1/8 - 1/4 (0.197 mi.)*	*AL158*	*436*

Local Lists of Registered Storage Tanks

NY HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 22 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
145 SOUTH 4TH STREET	*145 SOUTH 4TH STREET*	*ESE 0 - 1/8 (0.120 mi.)*	*Q77*	*188*

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SS PETER & PAULS R C CHURCH	***86 SOUTH 2ND ST***	***N 1/8 - 1/4 (0.128 mi.)***	***88***	***209***
CVEL REALTY CORP.	155 SOUTH 4TH ST	ESE 1/8 - 1/4 (0.145 mi.)	X96	244
155 N 4TH ST	***155 NORTH 4TH STREET***	***ESE 1/8 - 1/4 (0.145 mi.)***	***X98***	***252***
G & S DESIGNS, INC.	***314-326 WYTHE AVE.***	***NNE 1/8 - 1/4 (0.173 mi.)***	***118***	***318***
ENGINE COMPANY 221	161 SOUTH 2ND STREET	ENE 1/8 - 1/4 (0.185 mi.)	AG142	390
HSBC	***175 BROADWAY***	***SE 1/8 - 1/4 (0.191 mi.)***	***AJ151***	***405***
PETER LUGER INC.	***178 BROADWAY***	***SE 1/8 - 1/4 (0.191 mi.)***	***AJ153***	***412***
FORMAN FAMILY INC	***185-195 BROADWAY***	***SE 1/8 - 1/4 (0.203 mi.)***	***AJ163***	***456***
WILYESH REALTY CORP	143 S 8 ST	SSE 1/8 - 1/4 (0.206 mi.)	AO167	470
197-201 BROADWAY	***197-201 BROADWAY***	***SE 1/8 - 1/4 (0.229 mi.)***	***AX198***	***645***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHROMIUM PLATING & POLISHING C	373 WYTHE AVE	W 0 - 1/8 (0.080 mi.)	H27	55
50 SOUTH 4TH STREET	***50 S 4TH ST***	***NW 0 - 1/8 (0.091 mi.)***	***K54***	***120***
424 WYTHE AVENUE	***424 WYTHE AVENUE***	***W 1/8 - 1/4 (0.132 mi.)***	***U91***	***219***
EASTERN SILVER CO	***60 BROADWAY***	***SW 1/8 - 1/4 (0.150 mi.)***	***V108***	***287***
GABILA & SONS MFG INC	***120 SO 8TH STREET***	***S 1/8 - 1/4 (0.182 mi.)***	***AH136***	***376***
4 G'S TRUCK RENTING CO.,INC.	***389 KENT AVENUE***	***WSW 1/8 - 1/4 (0.202 mi.)***	***AM161***	***444***
DCAS KENT AVE SHOPS	***390 KENT AVENUE***	***WSW 1/8 - 1/4 (0.209 mi.)***	***AM171***	***477***
11 BROADWAY	***11 BROADWAY***	***WSW 1/8 - 1/4 (0.212 mi.)***	***AS176***	***486***
MOBIL S/S 17-BJ4	***11 BROADWAY (KENT AVE)***	***WSW 1/8 - 1/4 (0.212 mi.)***	***AS177***	***515***
21GS TRUCK RENTING	***395 KENT AVENUE***	***WSW 1/8 - 1/4 (0.213 mi.)***	***AM179***	***527***
WATERVIEW GARDENS LLC	***44 SOUTH 8TH ST***	***SW 1/8 - 1/4 (0.218 mi.)***	***AU183***	***541***

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 04/05/2013 has revealed that there are 14 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNK. MAT. LEAK,BROOKLYN Spill Number/Closed Date: 8602718 / 7/25/1986	104 SOUTH 4TH STREET	ENE 0 - 1/8 (0.017 mi.)	A4	12
PRIVATE RESIDENCE Spill Number/Closed Date: 0809975 / 8/20/2009	107 SOUTH 3RD STREET	ENE 0 - 1/8 (0.079 mi.)	G20	42
OLD GAS STATION Spill Number/Closed Date: 0512374 / 3/6/2006	364 -368 BEDFORD AVE	ESE 0 - 1/8 (0.086 mi.)	I38	94
MANHOLE 42 Spill Number/Closed Date: 9911389 / 3/28/2002	351 BEDFORD AVENUE	ESE 0 - 1/8 (0.088 mi.)	I45	107
Not reported Spill Number/Closed Date: 9911530 / 2/1/2000	S 5ST/BEDFORD AV	SE 0 - 1/8 (0.093 mi.)	56	125
APT. BUILDING Spill Number/Closed Date: 0705486 / 8/15/2007	352 BEDFORD AVE	E 0 - 1/8 (0.100 mi.)	L60	131
VS 3862 Spill Number/Closed Date: 9908695 / 2/22/2002	SO 3RD ST/ BEDFORD AVE	ENE 0 - 1/8 (0.109 mi.)	L66	173
141-155 SOUTH 5TH STREET Spill Number/Closed Date: 9501027 / 4/25/1995	141-155 SOUTH 5TH STREE	SE 0 - 1/8 (0.117 mi.)	S73	182

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
MANHOLE #12111 Spill Number/Closed Date: 0405732 / 10/28/2004	BERRY STREET AND SOUTH	SSW 0 - 1/8 (0.041 mi.)	B10	23
64 SO 3RD STREET Spill Number/Closed Date: 9404081 / 6/24/1994	VACANT LOT-64 S0. 3RD S	N 0 - 1/8 (0.070 mi.)	F17	37
MANHOLE 4855 Spill Number/Closed Date: 0813448 / 6/22/2009	WYTHE & 4TH ST	NW 0 - 1/8 (0.076 mi.)	D19	41
WYTHE AV/ Spill Number/Closed Date: 0007928 / 12/14/2001	SO 5TH ST	W 0 - 1/8 (0.081 mi.)	H30	75
VAULT 5511 Spill Number/Closed Date: 0005490 / 11/8/2001	WYTHE AVE/S 5TH ST	W 0 - 1/8 (0.082 mi.)	H31	76
VAULT #5511 Spill Number/Closed Date: 0007924 / 12/14/2001	WYTHE AV & S 5TH ST	W 0 - 1/8 (0.082 mi.)	H33	78

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/12/2013 has revealed that there are 28 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APPLIED CIRCUITS INC	***155 N 4TH ST***	***ESE 1/8 - 1/4 (0.145 mi.)***	***X97***	***245***
BROOKLYN TRANSMISSION & REPAIR	155 S 5TH ST	SE 1/8 - 1/4 (0.148 mi.)	Y99	258
NEW DIAZ CLEANERS	***788 DRIGGS AVE***	***ESE 1/8 - 1/4 (0.177 mi.)***	***AE127***	***358***
NYC FIRE DEPT ENGINE CO 221	***161 S 2ND ST***	***ENE 1/8 - 1/4 (0.185 mi.)***	***AG144***	***394***
DEUTCH AUTO BODY WORKS	***177-183 S 4TH ST***	***ESE 1/8 - 1/4 (0.197 mi.)***	***AE156***	***422***
NYC BD OF ED - PUBLIC SCHOOL 8	***250 BERRY ST***	***NNE 1/8 - 1/4 (0.197 mi.)***	***AK159***	***437***
CAMIN INDUSTRIES INC	***104-114 S 4TH ST***	***ESE 1/8 - 1/4 (0.199 mi.)***	***160***	***439***
FORMAN FAMILY INC	***185-195 BROADWAY***	***SE 1/8 - 1/4 (0.203 mi.)***	***AJ163***	***456***
PETER LUGER INC	***197 BROADWAY***	***SE 1/8 - 1/4 (0.229 mi.)***	***AX199***	***651***
NYC BD OF ED - JHS 50 SCHOOL B	***183 S 3RD ST***	***E 1/8 - 1/4 (0.230 mi.)***	***AT200***	***653***

Lower Elevation	Address	Direction / Distance	Map ID	Page
KARL & GAIL INC	***338 BERRY ST***	***SSW 0 - 1/8 (0.023 mi.)***	***A6***	***15***
CHROMIUM PLATING	373 WYTHE AVE	W 0 - 1/8 (0.080 mi.)	H25	50
CON EDISON - VS 5212	***8TH AVE AND 3RD ST.***	***NW 1/8 - 1/4 (0.134 mi.)***	***93***	***237***
CAMREX RELIANCE PAINT CO	***401 WYTHE AVE***	***SW 1/8 - 1/4 (0.139 mi.)***	***V94***	***240***
NYSDOT - CONTRACT BRC253A	***60 BROADWAY 7TH FL***	***SW 1/8 - 1/4 (0.149 mi.)***	***V101***	***259***
SPECTRONICS ELECTROPLATING COR	***66 S 2ND ST***	***NNW 1/8 - 1/4 (0.149 mi.)***	***Z102***	***278***
KARL & GAIL INC	***60 BROADWAY - 5TH FLOOR***	***SW 1/8 - 1/4 (0.150 mi.)***	***V104***	***281***
EASTERN SILVER CO INC	***60 BROADWAY - 2ND FLOOR***	***SW 1/8 - 1/4 (0.150 mi.)***	***V105***	***283***
LEXA METAL CORP	***303 WYTHE AVE***	***N 1/8 - 1/4 (0.166 mi.)***	***Z115***	***302***
DOMINO SUGAR CORP	***49 S SECOND ST***	***NNW 1/8 - 1/4 (0.175 mi.)***	***AB122***	***331***
NYSDOT WILLIAMSBURG BRIDGE	***378 KENT AVE***	***W 1/8 - 1/4 (0.188 mi.)***	***148***	***399***
NYCDOT ROOSEVELT AVE BRIDGE #Z	***ROOSEVELT AVE BRIDGE OV***	***WSW 1/8 - 1/4 (0.209 mi.)***	***AM170***	***474***
UNITED STATES TRUCKING CO	***44 S 8TH ST***	***SW 1/8 - 1/4 (0.218 mi.)***	***AU184***	***545***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYC PKS & REC - REG MGMT & CON	***BROADWAY & W 242ND ST***	***NNW 1/8 - 1/4 (0.219 mi.)***	***AV186***	***598***
CREST STUDIOS	***304 HUDSON ST 2ND FLOOR***	***NNW 1/8 - 1/4 (0.219 mi.)***	***AV187***	***614***
CON ED-MH 14029	***GRAND ST & BERRY ST***	***NNE 1/8 - 1/4 (0.222 mi.)***	***AW191***	***622***
PRINCE LACQUER & CHEMICAL CORP	***413 KENT AVE***	***SW 1/8 - 1/4 (0.225 mi.)***	***AU195***	***631***
GARCIA-RIVERA PROPERTY	***98 N 1ST ST***	***NNE 1/8 - 1/4 (0.231 mi.)***	***203***	***664***

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 02/01/2013 has revealed that there are 39 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APPLIED CIRCUITS INC	***155 N 4TH ST***	***ESE 1/8 - 1/4 (0.145 mi.)***	***X97***	***245***
NEW DIAZ CLEANERS	***788 DRIGGS AVENUE***	***ESE 1/8 - 1/4 (0.177 mi.)***	***AE128***	***360***
CONSOLIDATED EDISON	774 DRIGGS AVE - MH1238	E 1/8 - 1/4 (0.183 mi.)	AI138	382
NYC FIRE DEPT ENGINE CO 221	***161 S 2ND ST***	***ENE 1/8 - 1/4 (0.185 mi.)***	***AG144***	***394***
BELL ATLANTIC-NY	DRIGGS AVE & S 3 ST MAN	E 1/8 - 1/4 (0.188 mi.)	AI146	397
HSBC	***175 BROADWAY***	***SE 1/8 - 1/4 (0.191 mi.)***	***AJ151***	***405***
CONSOLIDATED EDISON	BEDFORD AVE & S 1ST ST	NE 1/8 - 1/4 (0.192 mi.)	AD155	419
DEUTCH AUTO BODY WORKS	***177-183 S 4TH ST***	***ESE 1/8 - 1/4 (0.197 mi.)***	***AE156***	***422***
NYC BD OF ED - PUBLIC SCHOOL 8	***250 BERRY ST***	***NNE 1/8 - 1/4 (0.197 mi.)***	***AK159***	***437***
CAMIN INDUSTRIES INC	***104-114 S 4TH ST***	***ESE 1/8 - 1/4 (0.199 mi.)***	***160***	***439***
FORMAN FAMILY INC	***185-195 BROADWAY***	***SE 1/8 - 1/4 (0.203 mi.)***	***AJ163***	***456***
NYNEX	SO 2ND ST & DRIGGS AVE	E 1/8 - 1/4 (0.215 mi.)	AQ181	537
NYC BD OF ED - JHS 50 SCHOOL B	***183 S 3RD ST***	***E 1/8 - 1/4 (0.230 mi.)***	***AT200***	***653***

Lower Elevation	Address	Direction / Distance	Map ID	Page
KARL & GAIL INC	***338 BERRY ST***	***SSW 0 - 1/8 (0.023 mi.)***	***A6***	***15***
CONSOLIDATED EDISON - MH 53591	373 WYTHE AVE	W 0 - 1/8 (0.080 mi.)	H28	56
CHROMIUM PLATING & POLISHING	***373 WYTHE AVE***	***W 0 - 1/8 (0.080 mi.)***	***H29***	***58***
CONSOLIDATED EDISON	S 5TH ST & WITHE AVE	W 0 - 1/8 (0.082 mi.)	H32	77
NYNEX	BERRY ST & S 6TH	SSW 0 - 1/8 (0.091 mi.)	J53	119
NYCDOT - WILLIAMSBURG BRIDGE	***WILLIAMSBURG BRIDGE***	***W 0 - 1/8 (0.107 mi.)***	***P64***	***141***
CON EDISON	WYTHE AVE & S 6TH ST	WSW 0 - 1/8 (0.112 mi.)	R68	176
NYNEX	BROADWAY & BERRY ST	SSW 1/8 - 1/4 (0.127 mi.)	T87	208
424 WYTHE AVENUE	***424 WYTHE AVENUE***	***W 1/8 - 1/4 (0.132 mi.)***	***U91***	***219***
CON EDISON - VS 5212	***8TH AVE AND 3RD ST.***	***NW 1/8 - 1/4 (0.134 mi.)***	***93***	***237***
NYSDOT - CONTRACT BRC253A	***60 BROADWAY 7TH FL***	***SW 1/8 - 1/4 (0.149 mi.)***	***V101***	***259***
SPECTRONICS ELECTROPLATING COR	***66 S 2ND ST***	***NNW 1/8 - 1/4 (0.149 mi.)***	***Z102***	***278***
KARL & GAIL INC	***60 BROADWAY - 5TH FLOOR***	***SW 1/8 - 1/4 (0.150 mi.)***	***V104***	***281***
EASTERN SILVER CO	***60 BROADWAY***	***SW 1/8 - 1/4 (0.150 mi.)***	***V108***	***287***
CONSOLIDATED EDISON	351 KENT AVE - MH12597	W 1/8 - 1/4 (0.165 mi.)	114	300
NYCDOT 413 WYETH AVE	***WILLIAMSBURG BRIDGE***	***SW 1/8 - 1/4 (0.167 mi.)***	***116***	***304***
DOMINO SUGAR CORP	***49 S SECOND ST***	***NNW 1/8 - 1/4 (0.175 mi.)***	***AB122***	***331***
H & B PLASTICS PLATING	***299 WYTHE AVE***	***N 1/8 - 1/4 (0.175 mi.)***	***AC124***	***347***
BENOWITZ & SONS	76 SOUTH 8TH ST	SSW 1/8 - 1/4 (0.191 mi.)	154	418
CONSOLIDATED EDISON	WYTHE AVE & S 8TH ST	SW 1/8 - 1/4 (0.203 mi.)	164	463
NYCDOT ROOSEVELT AVE BRIDGE #Z	***ROOSEVELT AVE BRIDGE OV***	***WSW 1/8 - 1/4 (0.209 mi.)***	***AM170***	***474***
NYC PKS & REC - REG MGMT & CON	***BROADWAY & W 242ND ST***	***NNW 1/8 - 1/4 (0.219 mi.)***	***AV186***	***598***
NYNEX	GRAND ST & BERRY ST	NNE 1/8 - 1/4 (0.222 mi.)	AW190	621
CON ED-MH 14029	***GRAND ST & BERRY ST***	***NNE 1/8 - 1/4 (0.222 mi.)***	***AW191***	***622***
PRINCE LACQUER & CHEMICAL CORP	***413 KENT AVE***	***SW 1/8 - 1/4 (0.225 mi.)***	***AU195***	***631***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
GARCIA-RIVERA PROPERTY	***98 N 1ST ST***	***NNE 1/8 - 1/4 (0.231 mi.)***	***203***	***664***

RI MANIFEST: Hazardous waste manifest information

A review of the RI MANIFEST list, as provided by EDR, and dated 02/01/2013 has revealed that there are 2 RI MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMAN FAMILY INC	***185-195 BROADWAY***	***SE 1/8 - 1/4 (0.203 mi.)***	***AJ163***	***456***

Lower Elevation	Address	Direction / Distance	Map ID	Page
RADIAC RESEARCH CORP	***33 S 1ST ST***	***NNW 1/8 - 1/4 (0.219 mi.)***	***AV185***	***547***

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 02/01/2013 has revealed that there are 3 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDOT - WILLIAMSBURG BRIDGE	***WILLIAMSBURG BRIDGE***	***W 0 - 1/8 (0.107 mi.)***	***P64***	***141***
H & B PLASTICS PLATING	***299 WYTHE AVE***	***N 1/8 - 1/4 (0.175 mi.)***	***AC124***	***347***
RADIAC RESEARCH CORP	***33 S 1ST ST***	***NNW 1/8 - 1/4 (0.219 mi.)***	***AV185***	***547***

CT MANIFEST: Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

A review of the CT MANIFEST list, as provided by EDR, and dated 02/01/2013 has revealed that there are 5 CT MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEW YORK TELEPHONE CO	DRIGGS ST AND SOUTH 3RD	E 1/8 - 1/4 (0.188 mi.)	AI147	398

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE CHROMIUM CO	373 WYTHE	W 0 - 1/8 (0.079 mi.)	H21	44
NEW YORK TELEPHONE CO	BERRY ST AND SOUTH 6TH	SSW 0 - 1/8 (0.091 mi.)	J52	118
EASTERN SILVER CO INC	60 BROADWAY - 2ND FLOOR	SW 1/8 - 1/4 (0.150 mi.)	V107	285
CONSOLIDATED EDISON CO.	GRAND ST & BERRY ST	NNE 1/8 - 1/4 (0.222 mi.)	AW192	624

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 04/19/2013 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEW DIAZ CLEANERS	***788 DRIGGS AVENUE***	***ESE 1/8 - 1/4 (0.177 mi.)***	***AE128***	***360***

EXECUTIVE SUMMARY

TX Ind. Haz Waste: The Industrial and Hazardous Waste Database contains summary reports by waste handlers, generators and shippers in Texas.

A review of the TX Ind. Haz Waste list, as provided by EDR, and dated 02/01/2013 has revealed that there is 1 TX Ind. Haz Waste site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RADIAC ENVIRONMENTAL SERVICES	33 S 1ST ST	NNW 1/8 - 1/4 (0.219 mi.)	AV188	615

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 03/20/2013 has revealed that there are 30 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 21,TAXBLOCK 2442	88 SOUTH 4 STREET	NNE 0 - 1/8 (0.018 mi.)	A5	14
LOT 13,TAXBLOCK 2443	100 SOUTH 4 STREET	E 0 - 1/8 (0.030 mi.)	9	21
LOT 37,TAXBLOCK 2443	101 SOUTH 5 STREET	S 0 - 1/8 (0.046 mi.)	C12	25
LOT 27,TAXBLOCK 2416	300 BERRY STREET	NNE 0 - 1/8 (0.073 mi.)	E18	38
LOT 23,TAXBLOCK 2443	364 BEDFORD AVENUE	ESE 0 - 1/8 (0.086 mi.)	I40	96
LOT 5,TAXBLOCK 2444	359 BEDFORD AVENUE	ESE 0 - 1/8 (0.087 mi.)	I43	104
LOT 29,TAXBLOCK 2443	376 BEDFORD AVENUE	SE 0 - 1/8 (0.088 mi.)	I44	105
LOT 3,TAXBLOCK 2444	363 BEDFORD AVENUE	SE 0 - 1/8 (0.089 mi.)	I46	108
LOT 30,TAXBLOCK 2443	378 BEDFORD AVENUE	SE 0 - 1/8 (0.090 mi.)	I47	110
LOT 2,TAXBLOCK 2444	365 BEDFORD AVENUE	SE 0 - 1/8 (0.090 mi.)	I48	111
LOT 11,TAXBLOCK 2444	141 SOUTH 5 STREET	SE 0 - 1/8 (0.117 mi.)	S72	181

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 25,TAXBLOCK 2442	334 BERRY STREET	SW 0 - 1/8 (0.012 mi.)	A3	11
LOT 11,TAXBLOCK 2442	68/74 SOUTH 4 STREET	NW 0 - 1/8 (0.056 mi.)	D13	27
LOT 30,TAXBLOCK 2428	55 SOUTH 4 STREET	NW 0 - 1/8 (0.080 mi.)	D22	45
LOT 29,TAXBLOCK 2428	57 SOUTH 4 STREET	NW 0 - 1/8 (0.080 mi.)	D23	47
LOT 28,TAXBLOCK 2428	59 SOUTH 4 STREET	NW 0 - 1/8 (0.080 mi.)	D24	49
LOT 41,TAXBLOCK 2456	93 SOUTH 6 STREET	SSW 0 - 1/8 (0.091 mi.)	J49	113
LOT 40,TAXBLOCK 2456	95 SOUTH 6 STREET	SSW 0 - 1/8 (0.091 mi.)	J50	115
LOT 24,TAXBLOCK 2441	390 WYTHE AVENUE	WNW 0 - 1/8 (0.091 mi.)	K51	116
LOT 1,TAXBLOCK 2471	80 SOUTH 6 STREET	SSW 0 - 1/8 (0.092 mi.)	J55	123
LOT 31,TAXBLOCK 2415	53 SOUTH 3 STREET	NNW 0 - 1/8 (0.103 mi.)	O63	139
LOT 38,TAXBLOCK 2441	45 SOUTH 5 STREET	W 0 - 1/8 (0.111 mi.)	P67	175
LOT 16,TAXBLOCK 2469	***426 WYTHE AVENUE***	***WSW 0 - 1/8 (0.114 mi.)***	***R70***	***177***
LOT 12,TAXBLOCK 2441	34 SOUTH 4 STREET	WNW 0 - 1/8 (0.115 mi.)	71	179
LOT 32,TAXBLOCK 2415	45 SOUTH 3 STREET	NW 0 - 1/8 (0.118 mi.)	O74	183
LOT 30,TAXBLOCK 2415	360 WYTHE AVENUE	NNW 0 - 1/8 (0.118 mi.)	O75	185
LOT 15,TAXBLOCK 2469	52 SOUTH 6 STREET	WSW 0 - 1/8 (0.120 mi.)	R76	187
LOT 36,TAXBLOCK 2415	43 SOUTH 3 STREET	NW 0 - 1/8 (0.122 mi.)	O78	192
LOT 14,TAXBLOCK 2469	50 SOUTH 6 STREET	WSW 0 - 1/8 (0.124 mi.)	R83	201
LOT 7,TAXBLOCK 2131	104 BROADWAY	S 0 - 1/8 (0.125 mi.)	T86	205

EXECUTIVE SUMMARY

2020 COR ACTION: The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

A review of the 2020 COR ACTION list, as provided by EDR, and dated 11/11/2011 has revealed that there is 1 2020 COR ACTION site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RADIAC RESEARCH CORP	***33 S 1ST ST***	***NNW 1/8 - 1/4 (0.219 mi.)***	***AV185***	***547***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 7 EDR MGP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PEOPLES WORKS	KENT AVE. S. 10TH ST.,	SW 1/4 - 1/2 (0.360 mi.)	215	696
BU-NASSAU BRANCH	KENT AVE AND CROSS, DIV	SSW 1/2 - 1 (0.508 mi.)	233	754
KEAP ST. STATION	KEAP ST. WYTHE AVE. HOO	S 1/2 - 1 (0.730 mi.)	235	756
WYTHE AVE. (BERRY ST.) STATION	WYTHE AVE., BERRY ST.,	NNE 1/2 - 1 (0.804 mi.)	236	757
RUTLEDGE STATION	RUTLEDGE ST. WYTHE AND	SSE 1/2 - 1 (0.914 mi.)	239	763
BROOKLYN GAS AND LIGHT	MARSHALL ST., ST. JOHN	WSW 1/2 - 1 (0.974 mi.)	240	763
SKILLMAN STATION	SKILLMAN ST. FLUSHING A	SSE 1/2 - 1 (0.991 mi.)	241	763

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 10 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	364 BEDFORD AVE	ESE 0 - 1/8 (0.086 mi.)	I39	96
Not reported	357 BEDFORD AVE	ESE 0 - 1/8 (0.087 mi.)	I42	104
Not reported	139 S 4TH ST	ESE 0 - 1/8 (0.109 mi.)	Q65	173
Not reported	155 S 5TH ST	SE 1/8 - 1/4 (0.148 mi.)	Y100	259

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	67 S 6TH ST	SW 0 - 1/8 (0.097 mi.)	M59	130
Not reported	426 WYTHE AVE	WSW 0 - 1/8 (0.114 mi.)	R69	177
Not reported	104 BROADWAY	S 0 - 1/8 (0.125 mi.)	T85	205
Not reported	342 WYTHE AVE	N 1/8 - 1/4 (0.158 mi.)	Z112	298
Not reported	78 S 1ST ST	N 1/8 - 1/4 (0.178 mi.)	132	369
Not reported	255 BERRY ST	NNE 1/8 - 1/4 (0.210 mi.)	AK173	483

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 6 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	326 BEDFORD AVE	ENE 1/8 - 1/4 (0.149 mi.)	W103	280
Not reported	788 DRIGGS AVE	ESE 1/8 - 1/4 (0.177 mi.)	AE129	360
Not reported	302 BEDFORD AVE	NE 1/8 - 1/4 (0.203 mi.)	AN162	455

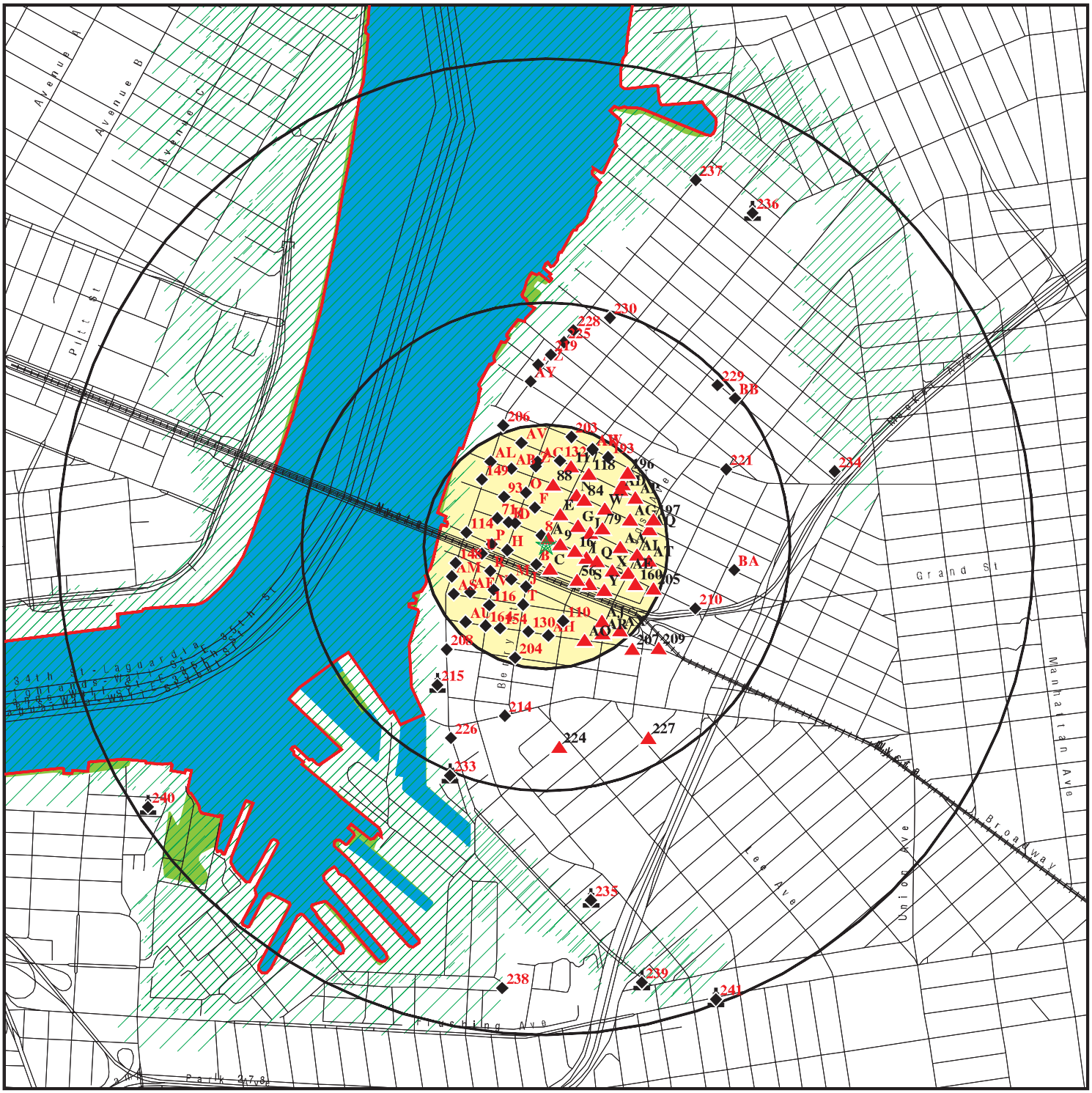
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	82 S 4TH ST	NNW 0 - 1/8 (0.025 mi.)	8	21
Not reported	60 BROADWAY	SW 1/8 - 1/4 (0.150 mi.)	V106	285
Not reported	299 WYTHE AVE	N 1/8 - 1/4 (0.175 mi.)	AC125	354

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
NYCTA	FINDS,MANIFEST,RCRA-NLR
CONSOLIDATED EDISON	MANIFEST
BELL ATLANTIC-NY	MANIFEST
MTA NYCT - BEDFORD & NOSTRAND AVE	FINDS,RCRA-NLR,MANIFEST
NYCTA - 977 BROADWAY	FINDS,RCRA-NLR,MANIFEST
NYNEX	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NLR,MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON OF NY	MANIFEST
BROOKLYN WHITE LEAD CO	CERCLIS-NFRAP
BROOKLYN GAS LIGHT CO WORKS	CERCLIS-NFRAP
PRODUCT & DESIGN NY	FINDS,RCRA-NLR
CON EDISON MANHOLE 6295	RCRA-NLR
NY TELEPHONE	FINDS,RCRA-NLR
BETW/AVE X &	SPILLS
ROADWAY	SPILLS
KINGS HIGHWAY MOBIL	SPILLS
205842; KINGS HWY	SPILLS
ROUTE 9A - MANHATTAN	HSWDS

OVERVIEW MAP - 3642113.2s



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 337 Berry Street & 99 South 5th Street, Brooklyn, NY	CLIENT: Hillmann Environmental Co.
ADDRESS: 337 Berry Street Brooklyn NY 11211	CONTACT: Joanne Bedkowski INQUIRY #: 3642113.2s
LAT/LONG: 40.7122 / 73.9646	DATE: June 20, 2013 12:26 pm

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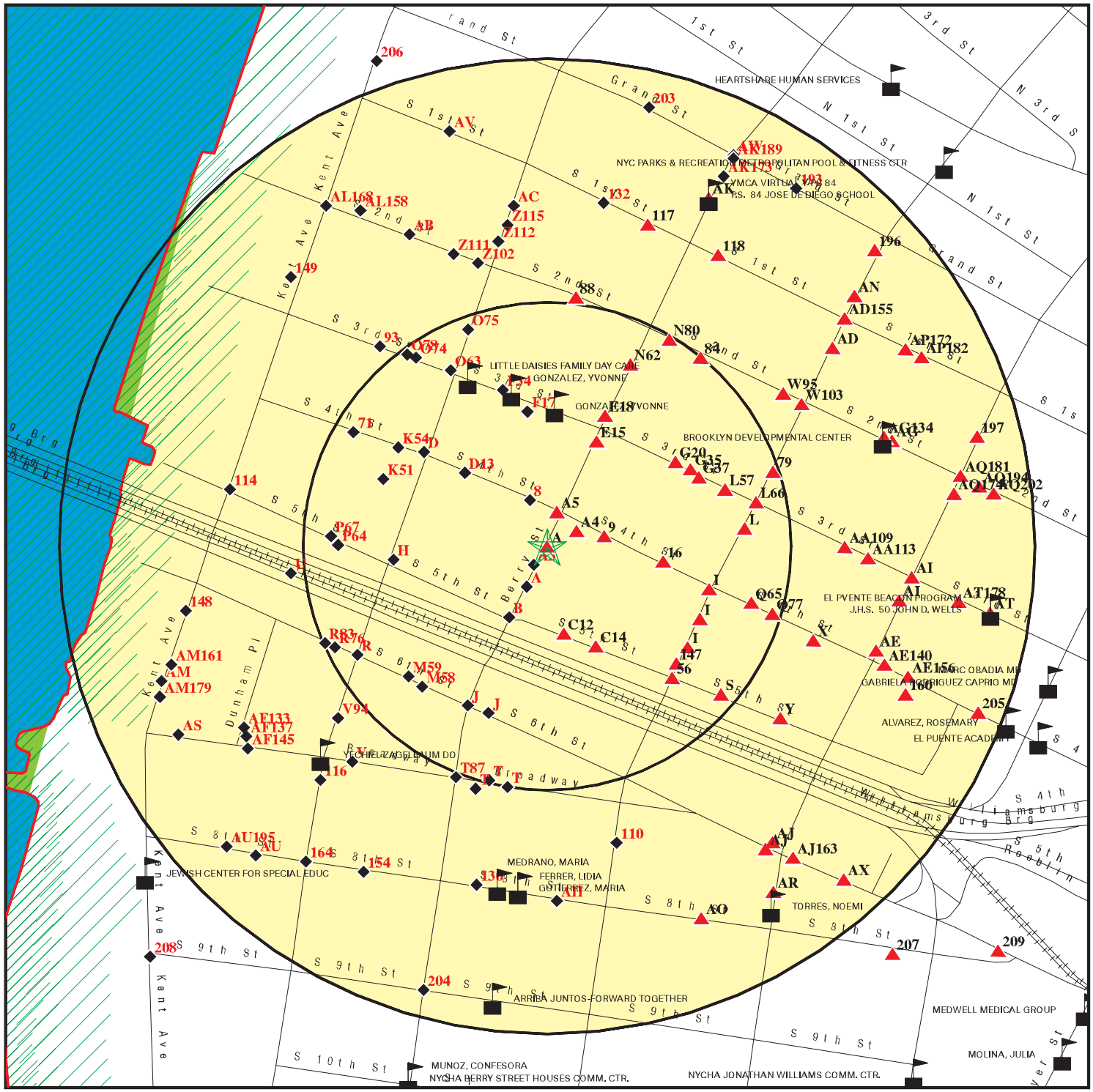
DETAIL MAP - 3642113.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	337 Berry Street & 99 South 5th Street, Brooklyn, NY	CLIENT:	Hillmann Environmental Co.
ADDRESS:	337 Berry Street Brooklyn NY 11211	CONTACT:	Joanne Bedkowski
LAT/LONG:	40.7122 / 73.9646	INQUIRY #:	3642113.2s
		DATE:	June 20, 2013 12:27 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	1	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	1	0	0	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	1	0	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		1	1	NR	NR	NR	2
RCRA-SQG	0.250		2	0	NR	NR	NR	2
RCRA-CESQG	0.250		0	6	NR	NR	NR	6
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	3	NR	3
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		2	3	2	NR	NR	7
State and tribal leaking storage tank lists								
NY LTANKS	0.500		4	3	17	NR	NR	24
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
NY TANKS	0.250		0	1	NR	NR	NR	1
NY UST	0.250		4	17	NR	NR	NR	21
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	1	0	NR	NR	1
NY AST	0.250		13	33	NR	NR	NR	46
NY CBS AST	0.250		0	1	NR	NR	NR	1
NY MOSF AST	0.500		0	1	0	NR	NR	1
NY MOSF	0.500		0	1	2	NR	NR	3
NY CBS	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	2	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	0	2	NR	NR	2
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	1	0	NR	NR	1
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		3	19	NR	NR	NR	22
NY HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		14	NR	NR	NR	NR	14
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	26	NR	NR	NR	28
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		7	32	NR	NR	NR	39
RI MANIFEST	0.250		0	2	NR	NR	NR	2
NJ MANIFEST	0.250		1	2	NR	NR	NR	3
CT MANIFEST	0.250		2	3	NR	NR	NR	5
NY DRYCLEANERS	0.250		0	1	NR	NR	NR	1
TX Ind. Haz Waste	0.250		0	1	NR	NR	NR	1
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125	2	30	NR	NR	NR	NR	32
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	1	NR	NR	NR	1
US AIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	1	6	NR	7
EDR US Hist Auto Stat	0.250		6	4	NR	NR	NR	10
EDR US Hist Cleaners	0.250		1	5	NR	NR	NR	6

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **LOT 41,TAXBLOCK 2443**
99 SOUTH 5 STREET
BROOKLYN, NY 11211 | **NY E DESIGNATION** | **S108076603**
N/A

Site 1 of 7 in cluster A

Actual: 45 ft.

E DESIGNATION:

Tax Lot(s):	41
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1001
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	V1
Land Use Category:	11
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	CITY WIDE ADMINISTRAT
Lot Area:	000001171
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	4
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0025.00
Lot Depth:	0046.83
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N

LOT 41,TAXBLOCK 2443 (Continued) **S108076603**

Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000010125
Total Assessed Value:	00000010125
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024430041
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994104
Y Coordinate:	0198573
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A2
Target
Property

LOT 6,TAXBLOCK 2443 **NY E DESIGNATION** **S109318075**
337 BERRY STREET **N/A**
BROOKLYN, NY 11211

Site 2 of 7 in cluster A

Actual:
45 ft.

E DESIGNATION:

Tax Lot(s):	6
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1001
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30

LOT 6,TAXBLOCK 2443 (Continued) **S109318075**

Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	E9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	LANDMARK PRESERVATION
Lot Area:	000010000
Total Building Floor Area:	00000010000
Commercial Floor Area:	00000010000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000010000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0049.25
Lot Depth:	0103.50
Building Frontage:	0049.25
Building Depth:	0103.50
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000067500
Total Assessed Value:	00000141300
Land Exempt Value:	00000067500
Total Exempt Value:	00000141300
Year Built:	1938
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024430006
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994160
Y Coordinate:	0198645
Zoning Map:	12D
Sanborn Map:	303 011

LOT 6,TAXBLOCK 2443 (Continued) **S109318075**

Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A3
SW
< 1/8
0.012 mi.
62 ft.

LOT 25,TAXBLOCK 2442 **NY E DESIGNATION** **S108076430**
334 BERRY STREET **N/A**
BROOKLYN, NY 11211

Site 3 of 7 in cluster A

Relative:
Lower

Actual:
44 ft.

E DESIGNATION:

Tax Lot(s):	25
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1002
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	L2
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	LENTINI JOHN M
Lot Area:	000011000
Total Building Floor Area:	00000073555
Commercial Floor Area:	00000073555
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000

LOT 25,TAXBLOCK 2442 (Continued) **S108076430**

Factory Floor Area:	00000073555
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	007.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0142.75
Lot Depth:	0075.00
Building Frontage:	0142.00
Building Depth:	0074.67
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000065250
Total Assessed Value:	00000383850
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1914
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0006.69
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024420025
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993937
Y Coordinate:	0198672
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A4 **UNK. MAT. LEAK,BROOKLYN** **NY Spills** **S102569661**
ENE **104 SOUTH 4TH STREET** **N/A**
< 1/8 **NYC (BROOKLYN), NY**
0.017 mi.
90 ft. **Site 4 of 7 in cluster A**

Relative:
Higher

Actual:
47 ft.

SPILLS:

Facility ID:	8602718
DER Facility ID:	228586
Facility Type:	ER
Site ID:	281525

UNK. MAT. LEAK,BROOKLYN (Continued) **S102569661**

DEC Region:	2
Spill Date:	7/25/1986
Spill Number/Closed Date:	8602718 / 7/25/1986
Spill Cause:	Abandoned Drums
Spill Class:	Not reported
SWIS:	2401
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	7/25/1986
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	7/25/1986
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/28/1986
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	UNK.
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "10/10/95: This is additional information about material spilled from the translation of the old spill file: UNK. MAT., UNK. AMT.
Remarks:	LEAKING DRUMS . CALLER CLAIMED THEY WERE HAZARDOUS. DEP NOTIFIED. DEP INVESTIGATED ,FOUND NO LEAKING DRUMS .

Material:

Site ID:	281525
Operable Unit ID:	899993
Operable Unit:	01
Material ID:	479135
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A5 NNE < 1/8 0.018 mi. 97 ft. | **LOT 21,TAXBLOCK 2442**
88 SOUTH 4 STREET
BROOKLYN, NY 11211

Site 5 of 7 in cluster A

NY E DESIGNATION | **S108076389**
N/A

Relative: Higher

Actual: 46 ft.

E DESIGNATION:

Tax Lot(s):	21
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1002
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	C3
Land Use Category:	02
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	MARIA FE GONZALES
Lot Area:	000000989
Total Building Floor Area:	00000002387
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00004
Non and Residential Units:	00004
Lot Frontage:	0021.50
Lot Depth:	0046.00
Building Frontage:	0021.50
Building Depth:	0037.00
Proximity Code:	0
Irregular Lot Code:	N

LOT 21,TAXBLOCK 2442 (Continued) **S108076389**

Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000000919
Total Assessed Value:	00000017136
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1910
Year Built Code:	E
Year Altered1:	2004
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.41
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024420021
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994038
Y Coordinate:	0198813
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A6
SSW
< 1/8
0.023 mi.
122 ft.

Relative:
Lower

Actual:
44 ft.

KARL & GAIL INC **RCRA NonGen / NLR** **1000705439**
338 BERRY ST **FINDS** **NYD986945715**
BROOKLYN, NY 11211 **NY MANIFEST**

Site 6 of 7 in cluster A

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	KARL & GAIL INC
Facility address:	338 BERRY ST BROOKLYN, NY 112115110
EPA ID:	NYD986945715
Mailing address:	BERRY ST BROOKLYN, NY 11211
Contact:	Not reported
Contact address:	BERRY ST BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

KARL & GAIL INC (Continued) **1000705439**

Owner/Operator Summary:

Owner/operator name:	KARL & GAIL GODBER
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	KARL & GAIL GODBER
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	KARL & GAIL INC
Classification:	Not a generator, verified

Date form received by agency:	07/08/1999
Facility name:	KARL & GAIL INC
Classification:	Not a generator, verified

Date form received by agency:	03/28/1991
Facility name:	KARL & GAIL INC
Classification:	Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/29/1993

KARL & GAIL INC (Continued) **1000705439**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110028938103

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD986945715
Country: USA
Mailing Name: KARL & GAIL INC
Mailing Contact: KARL GODBER
Mailing Address: 338 BERRY STREET3RD FLOOR
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11211
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 000-000-0000

Document ID: NJA1143001
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 910515
Trans1 Recv Date: 910515
Trans2 Recv Date: Not reported
TSD Site Recv Date: 910516
Part A Recv Date: 910524
Part B Recv Date: 910614
Generator EPA ID: NYD986945715
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F003 - UNKNOWN
Quantity: 00394
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

KARL & GAIL INC (Continued) **1000705439**

Document ID:	NJA1143024
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	910613
Trans1 Recv Date:	910613
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910618
Part A Recv Date:	910620
Part B Recv Date:	910710
Generator EPA ID:	NYD986945715
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00394
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NJA1142998
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	910502
Trans1 Recv Date:	910502
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910509
Part A Recv Date:	910510
Part B Recv Date:	910619
Generator EPA ID:	NYD986945715
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00788
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

A7 **VERY BERRY, LLC** **NY UST** **U004048670**
SSW **338 BERRY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.023 mi.
122 ft. **Site 7 of 7 in cluster A**

Relative:
Lower

Actual:
44 ft.

UST:

Id/Status:	2-608450 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2

VERY BERRY, LLC (Continued) **U004048670**

Expiration Date: 2016/01/19
UTM X: 587434.39228000003
UTM Y: 4507295.7712700004

Affiliation Records:

Site Id: 30302
Affiliation Type: On-Site Operator
Company Name: HARBOR VIEW REALTY CORP.
Contact Type: Not reported
Contact Name: GERALDO PEREZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 384-3827
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 1/19/2006

Site Id: 30302
Affiliation Type: Emergency Contact
Company Name: VERY BERRY LLC
Contact Type: Not reported
Contact Name: MONA GORA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 834-9663
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 1/19/2006

Site Id: 30302
Affiliation Type: Mail Contact
Company Name: VERY BERRY LLC
Contact Type: MANAGING AGENT
Contact Name: MONA GORA
Address1: 32 COURT STREET, PH
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11201
Country Code: 001
Phone: (718) 834-9663
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 1/19/2006

Site Id: 30302
Affiliation Type: Facility Owner

VERY BERRY, LLC (Continued) **U004048670**

Company Name:	VERY BERRY LLC
Contact Type:	MANAGING AGENT
Contact Name:	MONA GORA
Address1:	32 COURT STREET, PH
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201
Country Code:	001
Phone:	(718) 834-9663
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	1/19/2006

Tank Info:

Tank Number:	001
Tank ID:	65183
Tank Status:	In Service
Capacity Gallons:	3000
Install Date:	11/21/2005
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	21
Date Test:	09/09/2008
Next Test Date:	11/21/2015
Pipe Model:	Not reported
Modified By:	MSBAPTIS
Last Modified:	11/09/2010

Equipment Records:

I00 - Overfill - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground

Tank Number:	002
Tank ID:	65184
Tank Status:	Closed - In Place
Capacity Gallons:	3000
Install Date:	Not reported
Date Tank Closed:	06/01/2010
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel

VERY BERRY, LLC (Continued) **U004048670**

Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 09/30/2008
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MSBAPTIS
Last Modified: 11/09/2010

Equipment Records:
I00 - Overfill - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground

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8 **EDR US Hist Cleaners** **1015098954**
NNW **82 S 4TH ST** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.025 mi.
133 ft.

Relative:
Lower

Actual:
44 ft.

EDR Historical Cleaners:
Name: P & P LAUNDROMAT
Year: 2007
Address: 82 S 4TH ST

Name: P & P LAUNDROMAT
Year: 2008
Address: 82 S 4TH ST

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9 **LOT 13,TAXBLOCK 2443** **NY E DESIGNATION** **S108076259**
East **100 SOUTH 4 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.030 mi.
157 ft.

Relative:
Higher

Actual:
48 ft.

E DESIGNATION:
Tax Lot(s): 13
E-No: E-138
Effective Date: 5/11/2005
Satisfaction Date: Not reported
Ceqr Number: 04DCP003K
Ulurp Number: 050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No: 12c, 12d, 13a, 13b
Description: Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code: BK
Community District: 301
Census Tract: 549
Census Block: 1001
School District: 14

LOT 13,TAXBLOCK 2443 (Continued) **S108076259**

City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	L2
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	MUSCHEL WILLIAM
Lot Area:	000021150
Total Building Floor Area:	00000081000
Commercial Floor Area:	00000081000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000081000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	007.00
Residential Units:	00000
Non and Residential Units:	00066
Lot Frontage:	0211.50
Lot Depth:	0100.00
Building Frontage:	0120.00
Building Depth:	0083.50
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000084600
Total Assessed Value:	00000684000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1910
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0003.83
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024430013
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994267

LOT 13,TAXBLOCK 2443 (Continued) **S108076259**

Y Coordinate:	0198672
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

B10 **MANHOLE #12111** **NY Spills** **S106698635**
SSW **BERRY STREET AND SOUTH 5** **N/A**
< 1/8 **BROOKLYN, NY**
0.041 mi.
218 ft. **Site 1 of 2 in cluster B**

Relative:
Lower

Actual:
43 ft.

SPILLS:

Facility ID:	0405732
DER Facility ID:	84056
Facility Type:	ER
Site ID:	93793
DEC Region:	2
Spill Date:	8/24/2004
Spill Number/Closed Date:	0405732 / 10/28/2004
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	8/25/2004
CID:	408
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/25/2004
Spill Record Last Update:	10/28/2004
Spiller Name:	ERT DESK
Spiller Company:	CON EDISION
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	e2mis no. 155038:FOUND ONE PINT OF UNKNOWN OIL ON 150 GALLONS OF WATER IN MH 12111. AT THIS TIME OIL APPEARS TO BE CONTAINED. CLEANUP PENDING LAB SAMPLE.LAB SEQ # 04-06765-001 PCB < 1 PPM.8/25/2004 04:00

MANHOLE #12111 (Continued) **S106698635**

HRS. -- AS PER BROOKLYN ENV OPS O.S C. FERNANDEZ, SENT ENV OPS CREW J.IOCCO & T.SACCARA TO LOCATION, THEN CALLED CENTRAL FIELD SERVICES TO HAVE THEM SEND OUT THE "UNDER 50" TANKER THAT HAD JUST COMPLETED A PRIOR CLEANUP WITH IOCCO & SACCARA. UPDATE 8/26/04 11:05 ENV OPS J. HOWE REPORTS THE STRUCTURE WAS DOUBLE WASHED WITH BIO-GEN 760, NO SUMPS WERE FOUND, ENV TAG# 26582 WAS REMOVED, AND CLEANUP IS COMPLETE.
Not reported

Remarks: 1 PINT OF UNKNOWN OIL ON 150 g OF WATER IN A MANHOLE. SPILL ORIGINALLY PLACED ON 24 HR DIMINOMOUS PROGRAM AT 12:30 TODAY AND DETERMINED THAT THEY WOULD NOT BE ABLE TO CLEAN IT IN 24 HRS. DUE TO PARKING RESTRICTIONS. NO TO 5 QUESTIONS. CON ED # 155038

Material:

Site ID:	93793
Operable Unit ID:	888484
Operable Unit:	01
Material ID:	486549
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	93793
Operable Unit ID:	888484
Operable Unit:	01
Material ID:	486548
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

B11 **LOCAL TRANSFER STATION** **NY SWF/LF** **S105841732**
SSW **353 BERRY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.043 mi.
225 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
43 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported

LOCAL TRANSFER STATION (Continued) **S105841732**

Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	JOHN RIVERA; DRIVER
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - permit
Activity Number:	[24T71]
Active:	No
East Coordinate:	587437
North Coordinate:	4507252
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported

C12 **LOT 37,TAXBLOCK 2443** **NY E DESIGNATION** **S108076568**
South **101 SOUTH 5 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.046 mi.
241 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
45 ft.

E DESIGNATION:

Tax Lot(s):	37
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1001
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	V1
Land Use Category:	11
Number of Easements:	0
Owner, Type of Code:	C

LOT 37,TAXBLOCK 2443 (Continued) **S108076568**

Owner Name:	DEPT OF TRANSPORTATIO
Lot Area:	000004250
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	4
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0100.17
Lot Depth:	0069.17
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000036765
Total Assessed Value:	00000036765
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024430037
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994155
Y Coordinate:	0198551
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D13 **LOT 11,TAXBLOCK 2442** **NY E DESIGNATION** **S108469757**
NW **68/74 SOUTH 4 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.056 mi.
298 ft. **Site 1 of 5 in cluster D**

Relative:
Lower

Actual:
41 ft.

E DESIGNATION:

Tax Lot(s):	11
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1002
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	E9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	373 WYTHE AVE REALTY
Lot Area:	000011883
Total Building Floor Area:	00000007500
Commercial Floor Area:	00000007500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000007500
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0091.00
Lot Depth:	0152.92
Building Frontage:	0091.00
Building Depth:	0152.92
Proximity Code:	0
Irregular Lot Code:	Y

LOT 11,TAXBLOCK 2442 (Continued) **S108469757**

Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000070200
Total Assessed Value:	00000183150
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1981
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.63
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024420011
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993851
Y Coordinate:	0198840
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

C14 **STIER 109 LLC** **NY AST** **A100294668**
SSE **109 SOUTH FIFTH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.057 mi.
301 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
47 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608255
Program Type:	PBS
UTM X:	587516.05116999999
UTM Y:	4507241.3340600003
Expiration Date:	2018/01/01

Affiliation Records:

Site Id:	30107
Affiliation Type:	Facility Owner
Company Name:	STIER 109 LLC
Contact Type:	MANAGING MEMBER
Contact Name:	KENNETH STIER
Address1:	109 SOUTH 5TH ST.
Address2:	Not reported

STIER 109 LLC (Continued) **A100294668**

City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 384-8181
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	1/4/2013

Site Id:	30107
Affiliation Type:	On-Site Operator
Company Name:	KENNETH STIER
Contact Type:	Not reported
Contact Name:	KENNETH STIER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 384-8181
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30107
Affiliation Type:	Emergency Contact
Company Name:	KENNETH STIER
Contact Type:	Not reported
Contact Name:	KENNETH STIER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 384-8181
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30107
Affiliation Type:	Mail Contact
Company Name:	STIER 109 LLC
Contact Type:	Not reported
Contact Name:	KENNETH STIER
Address1:	109 SOUTH 5TH ST.
Address2:	UNIT LL1
City:	BROOKLYN
State:	NY
Zip Code:	11249
Country Code:	001
Phone:	(718) 384-8181
EMail:	Not reported

STIER 109 LLC (Continued) **A100294668**

Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	1/4/2013

Tank Info:

Tank Number:	001
Tank Id:	64958
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	G00 - Tank Secondary Containment - None
	I05 - Overfill - Vent Whistle
	F00 - Pipe External Protection - None
	I04 - Overfill - Product Level Gauge (A/G)
	C01 - Pipe Location - Aboveground
	H00 - Tank Leak Detection - None
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J02 - Dispenser - Suction Dispenser
	L09 - Piping Leak Detection - Exempt Suction Piping
	B05 - Tank External Protection - Jacketed
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/01/1984
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	02/13/2008

E15 **315 BERRY ST** **NY AST** **U003392758**
NNE **315 BERRY ST** **NY HIST AST** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.059 mi.
314 ft. **Site 1 of 2 in cluster E**

Relative:
Higher

Actual:
47 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-241091
Program Type:	PBS
UTM X:	587523.98857000005
UTM Y:	4507395.7942199996
Expiration Date:	2012/10/23

Affiliation Records:

Site Id:	9166
Affiliation Type:	Facility Owner
Company Name:	315 BERRY ST CORP

315 BERRY ST (Continued) **U003392758**

Contact Type:	MGR
Contact Name:	RICHIE HERBST
Address1:	C/O ALEX UHR-240 BROADWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 782-9559
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	6/21/2011

Site Id:	9166
Affiliation Type:	Mail Contact
Company Name:	315 BERRY ST CORP
Contact Type:	Not reported
Contact Name:	RICHIE HERBST, BLDG MGR
Address1:	5014 16TH AVE
Address2:	SUITE 268
City:	BROOKLYN
State:	NY
Zip Code:	11204
Country Code:	001
Phone:	(718) 435-6860
EMail:	ABEX@NETZERO.NET
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	6/21/2011

Site Id:	9166
Affiliation Type:	On-Site Operator
Company Name:	315 BERRY ST
Contact Type:	Not reported
Contact Name:	ZVE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 782-2550
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	9166
Affiliation Type:	Emergency Contact
Company Name:	315 BERRY ST CORP
Contact Type:	Not reported
Contact Name:	RICHIE HERBST
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

315 BERRY ST (Continued) **U003392758**

Zip Code:	Not reported
Country Code:	999
Phone:	(718) 435-6860
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	6/21/2011

Tank Info:

Tank Number:	001
Tank Id:	25324
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/25/1978
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	05/27/2011

HIST AST:

PBS Number:	2-241091
SWIS Code:	6101
Operator:	ZVE
Facility Phone:	(718) 782-2550
Facility Addr2:	315 BERRY ST
Facility Type:	Not reported
Emergency:	ALEX UHR
Emergency Tel:	(718) 782-9559
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	315 BERRY ST CORP

315 BERRY ST (Continued) **U003392758**

Owner Address:	C/O ALEX UHR-240 BROADWAY
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 782-9559
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	315 BERRY ST CORP
Mailing Address:	C/O ALEX UHR
Mailing Address 2:	240 BROADWAY
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 782-9559
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/26/1997
Expiration:	10/23/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True

315 BERRY ST (Continued) **U003392758**

SPDES Number: Not reported
Lat/Long: Not reported

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16 East < 1/8 0.060 mi. 317 ft.

117 SOUTH 4 ST REALTY CORP
117 SOUTH 4 ST
BROOKLYN, NY 11211

NY AST **U003394646**
NY HIST AST **N/A**

Relative: Higher

Actual: 50 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-455067
Program Type:	PBS
UTM X:	587585.73967000004
UTM Y:	4507295.3778900001
Expiration Date:	2017/01/08

Affiliation Records:

Site Id:	20001
Affiliation Type:	On-Site Operator
Company Name:	117 SOUTH 4 ST
Contact Type:	Not reported
Contact Name:	DAVID TABAK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 599-2470
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/27/2009

Site Id:	20001
Affiliation Type:	Emergency Contact
Company Name:	DAVID TABAK
Contact Type:	Not reported
Contact Name:	DAVID TABAK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 599-2470
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/27/2009

Site Id:	20001
Affiliation Type:	Facility Owner
Company Name:	DAVID TABAK
Contact Type:	MANAGING AGENT

117 SOUTH 4 ST REALTY CORP (Continued) **U003394646**

Contact Name:	DAVID TABAK
Address1:	543 BEDFORD AVE., #264
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 599-2470
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	1/4/2012

Site Id:	20001
Affiliation Type:	Mail Contact
Company Name:	FOUR HEIDEN LLC
Contact Type:	Not reported
Contact Name:	DAVID TABAK
Address1:	543 BEDFORD AVE
Address2:	#264
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 599-2470
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	4/29/2009

Tank Info:

Tank Number:	001
Tank Id:	36940
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
E02 - Piping Secondary Containment - Vault (with Access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/01/1979
Capacity Gallons:	2500

117 SOUTH 4 ST REALTY CORP (Continued) **U003394646**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	01/04/2012

HIST AST:

PBS Number:	2-455067
SWIS Code:	6101
Operator:	PHILIP SHAPIRO
Facility Phone:	(718) 452-2500
Facility Addr2:	117 SOUTH 4 ST
Facility Type:	APARTMENT BUILDING
Emergency:	PHILIP SHAPIRO
Emergency Tel:	(516) 371-4575
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	PHILIP SHAPIRO
Owner Address:	11 LAWRENCE AVENUE
Owner City,St,Zip:	LAWRENCE, NY 11559
Federal ID:	Not reported
Owner Tel:	(516) 371-4575
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	PHILIP SHAPIRO
Mailing Address:	11 LAWRENCE AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LAWRENCE, NY 11559
Mailing Telephone:	(516) 371-4575
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	12/21/1998
Expiration:	02/15/2004
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND

117 SOUTH 4 ST REALTY CORP (Continued) **U003394646**

Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

F17 **64 SO 3RD STREET** **NY Spills** **S102148404**
North **VACANT LOT-64 S0. 3RD ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.070 mi.
368 ft. **Site 1 of 2 in cluster F**

Relative:
Lower

Actual:
44 ft.

SPILLS:

Facility ID:	9404081
DER Facility ID:	194346
Facility Type:	ER
Site ID:	235925
DEC Region:	2
Spill Date:	6/22/1994
Spill Number/Closed Date:	9404081 / 6/24/1994
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	6/23/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	6/24/1994
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/23/1994
Spill Record Last Update:	10/4/1994

64 SO 3RD STREET (Continued) **S102148404**

Spiller Name:	Not reported
Spiller Company:	NYC
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	SOIL HAS BEEN P/U INTO DRUMS. SITE OWNED BY CITY OF NY MAY BE BOUGHT. PHASE ONE OF LOT FOUND SURFACE STAINING REMOVED.

Material:

Site ID:	235925
Operable Unit ID:	997921
Operable Unit:	01
Material ID:	384232
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

E18 **LOT 27,TAXBLOCK 2416** **NY E DESIGNATION** **S108076459**
NNE **300 BERRY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.073 mi.
387 ft. **Site 2 of 2 in cluster E**

Relative:
Higher

Actual:
48 ft.

E DESIGNATION:

Tax Lot(s):	27
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	551
Census Block:	3003
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported

LOT 27,TAXBLOCK 2416 (Continued) **S108076459**

Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	R6
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	V1
Land Use Category:	11
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	SAINTS PETER & PAUL'S
Lot Area:	000005350
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	4
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0072.00
Lot Depth:	0086.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000046350
Total Assessed Value:	00000046350
Land Exempt Value:	00000046350
Total Exempt Value:	00000046350
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	02.43
Borough Code:	3
Borough Tax Block And Lot:	3024160027
Condominium Number:	00000
Census Tract 2:	0551
X Coordinate:	0994176
Y Coordinate:	0199160
Zoning Map:	12D
Sanborn Map:	303 009
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005

LOT 27,TAXBLOCK 2416 (Continued) **S108076459**

Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	27
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	301
Census Tract:	551
Census Block:	3003
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	R6
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	V1
Land Use Category:	11
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	SAINTS PETER & PAUL'S
Lot Area:	000005350
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	4
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0072.00
Lot Depth:	0086.00
Building Frontage:	0000.00
Building Depth:	0000.00

LOT 27,TAXBLOCK 2416 (Continued) **S108076459**

Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000046350
Total Assessed Value:	00000046350
Land Exempt Value:	00000046350
Total Exempt Value:	00000046350
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	02.43
Borough Code:	3
Borough Tax Block And Lot:	3024160027
Condominium Number:	00000
Census Tract 2:	0551
X Coordinate:	0994176
Y Coordinate:	0199160
Zoning Map:	12D
Sanborn Map:	303 009
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D19 **MANHOLE 4855** **NY Spills** **S109580936**
NW **WYTHE & 4TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.076 mi.
403 ft. **Site 2 of 5 in cluster D**

Relative:
Lower

Actual:
39 ft.

SPILLS:

Facility ID:	0813448
DER Facility ID:	360356
Facility Type:	ER
Site ID:	411137
DEC Region:	2
Spill Date:	3/13/2009
Spill Number/Closed Date:	0813448 / 6/22/2009
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	asnagi
Referred To:	Not reported
Reported to Dept:	3/13/2009
CID:	Not reported

MANHOLE 4855 (Continued) **S109580936**

Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/13/2009
Spill Record Last Update:	6/22/2009
Spiller Name:	ERT
Spiller Company:	UNKNOWN
Spiller Address:	WYTHE & 4TH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Contact Name:	ERT
Contact Phone:	(212) 580-8383
DEC Memo:	06/22/09 - See eDocs for Con Ed report detailing cleanup and closure.
Remarks:	Caller states 8 ounces of oil is leaking from a duct into the manhole. Cleanup is pending.

Material:

Site ID:	411137
Operable Unit ID:	1167604
Operable Unit:	01
Material ID:	2159183
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

G20 **PRIVATE RESIDENCE** **NY Spills** **S109374373**
ENE **107 SOUTH 3RD STREET** **N/A**
< 1/8 **BROOKLYN, NY**
0.079 mi.
416 ft. **Site 1 of 3 in cluster G**

Relative:
Higher

Actual:
50 ft.

SPILLS:

Facility ID:	0809975
DER Facility ID:	356731
Facility Type:	ER
Site ID:	407483
DEC Region:	2
Spill Date:	12/6/2008
Spill Number/Closed Date:	0809975 / 8/20/2009
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	2401
Investigator:	vszhune

PRIVATE RESIDENCE (Continued) **S109374373**

Referred To:	Not reported
Reported to Dept:	12/6/2008
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/6/2008
Spill Record Last Update:	8/20/2009
Spiller Name:	JOYCE AGUILLAR
Spiller Company:	JOYCE AGUILLAR
Spiller Address:	107 SOUTH 3RD STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Contact Name:	JOYCE AGUILLAR
Contact Phone:	(818) 434-4823
DEC Memo:	12/06/2008-Zhune spoke to Joyce Agulan (818)434-4823. She is a tenant. She occupies the basement at 107 south 3rd St. She said the oil company overfilled oil. oil went to my windows to the plants. There is a very strong smell in my apartment. We are out from the apartment since last wednesday when this happened. She said they are staying with friends.Zhune spoke to Eddie(Super)347- 341-3676. He gave me the oil company phone # 718-626-7000877-262-4570. I spoke to Joseph Lombardi 718-932-9075 from the oil company. He said he will send a crew to do the clean up.12/07/08-Zhune responded to this site. Oil spill was cover with speedi-dry and there are a strong oil smell outside Joyce's apartment. Inside her apartment there are vapors. A tenant from 1st floor was also complaining vapors.12/07/08-Zhune called to confirm clean up. Joyce said the oil company did not come. 12/08/08-Zhune called oil company. They said spill was cleaned up.12/08/08 As per Eddie(Super) the oil company cleaned the spill. They cleaned the floor, the basement and removed the plants. Everything is cleaned.12/09/08- Joyce called Zhune saying threre is still oil smell in my apartment. I told her that I need to go and check her apartment. She said 6:30pm is going to be fine. 12/09/08-Zhune visited the site there are still vapors outside and slight vapors inside the apartment 12/10/08- Zhune called Joe Lombardi from the oil company. He said he will send back his men to clean up.12/15/08- Joyce called and said vapors in my apartment are almost gone. there is still some smell but is going away. Last night I went to the basement because the light shut down.I noticed that there is still oil smell in the basement.12/16/08-Zhune called Joe Lombardi and tell him that Joyce is still complaining smell in the basement where the oil tank is. He said that he will send his men to check.12/22/08-Zhune called Joe Lombardi asked if they checked the basement. He said I called Eddie the super he went to check the basement and said everything is OK. 01/02/09-Zhune callled Joyce to set up a date to inspect her apartment. She said there are still oil odor in my apartment and the basement. 01/02/08-Zhune inspected the apartment. Outside the apartment by the overfill line where the spill happended there is still oil smell. Inside the apartment and the basement there are no observable smell. Richard one of the roommate

PRIVATE RESIDENCE (Continued) **S109374373**

told me odors are more preceptible in Joyce's bedroom and the livingroom. He is staying with friends.01/12/09- Joe Lombardi from Anker Tank Line and Zhune instected the site. AS per Joe the smell is maintenance problem. The vent line is just on joyce's bedroom window this line need to be cover(the mushroom). The fill line is dripping on the AST oil tank. Zhune called Libi (718)599-8300 x 210(Mangement) She said they will fix it.01/21/09- Libi called. She said the tank is going to be removed. 01/30/09- Libi called and said the tank was removed.04/10/09-Zhune called Tony Cancio he lives in the basement at this site to confirm if tank was removed. Tony said the tank is still in the same location in the basement. It had no been removed. The fill line is still in the same location. He said the apartments are using electric heater now. As per Tony there is no oil odors in the apartment. Spill Closed

Remarks: 1121 The caller advised dispatch no water ways affected. The oil tank is above ground inside the home. Unknown amount of spill at this time. Not reported

Material:

Site ID:	407483
Operable Unit ID:	1164025
Operable Unit:	01
Material ID:	2155380
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

H21 **THE CHROMIUM CO** **CT MANIFEST** **S109783666**
West **373 WYTHE** **N/A**
< 1/8 **BROOKLYN, NY**
0.079 mi.
417 ft. **Site 1 of 10 in cluster H**

Relative:
Lower

Actual:
36 ft.

CT MANIFEST:

Waste:

Manifest No:	CTF0263928
Waste Occurence:	1
UNNA:	3082
Hazard Class:	9
US Dot Description:	env. Hazardous substance liquid nos
No of Containers:	005
Container Type:	DF
Quantity:	235
Weight/Volume:	G
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

THE CHROMIUM CO (Continued) **S109783666**

Waste CD:

Manifest No:	CTF0263928
Waste Occurence:	1
EPA Waste Code:	D007
Recycled Waste?:	F
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Detail:

Year:	1996
Manifest ID:	CTF0263928
TSDF EPA ID:	CTD000604488
TSDF Name:	CLEAN HARBORS OF CONNECTICUT, INC.
TSDF Address:	51 BRODERICK RD
TSDF City,St,Zip:	BRISTOL, CT 06010
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	8/20/1996
Transporter EPA ID:	MAD039322250
Transporter Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYD907447291
Generator Phone:	Not reported
Generator Mailing Addr:	373 WYTHE
Generator Mailing Town:	BROOKLYN
Generator Mailing State:	NY
Generator Mailing Zip:	Not reported
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	Yes
Date Shipped:	5/1/1996
Date Received:	8/22/1996
Last modified date:	4/26/2004
Last modified by:	IG
Comments:	Not reported

D22 **LOT 30,TAXBLOCK 2428** **NY E DESIGNATION** **S108076504**
NW **55 SOUTH 4 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.080 mi.
420 ft. **Site 3 of 5 in cluster D**

Relative:
Lower

Actual:
39 ft.

E DESIGNATION:

Tax Lot(s):	30
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K

LOT 30,TAXBLOCK 2428 (Continued) **S108076504**

Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	551
Census Block:	3005
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	DAVIS REALTY CORP
Lot Area:	000004500
Total Building Floor Area:	00000004500
Commercial Floor Area:	00000004500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000004500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0060.00
Lot Depth:	0075.00
Building Frontage:	0060.00
Building Depth:	0075.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000026685
Total Assessed Value:	00000070650
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1969
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000

LOT 30,TAXBLOCK 2428 (Continued) **S108076504**

Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024280030
Condominium Number:	00000
Census Tract 2:	0551
X Coordinate:	0993658
Y Coordinate:	0199087
Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D23 **LOT 29,TAXBLOCK 2428** **NY E DESIGNATION** **S108076485**
NW **57 SOUTH 4 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.080 mi.
420 ft. **Site 4 of 5 in cluster D**

Relative:
Lower

Actual:
39 ft.

E DESIGNATION:

Tax Lot(s):	29
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	551
Census Block:	3005
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N

LOT 29,TAXBLOCK 2428 (Continued) **S108076485**

Building Class:	E9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	G G SALVAGE CORP
Lot Area:	000001500
Total Building Floor Area:	00000001500
Commercial Floor Area:	00000001500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000001500
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0020.00
Lot Depth:	0075.00
Building Frontage:	0020.00
Building Depth:	0075.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000010125
Total Assessed Value:	00000024795
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1950
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024280029
Condominium Number:	00000
Census Tract 2:	0551
X Coordinate:	0993690
Y Coordinate:	0199053
Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005

LOT 29,TAXBLOCK 2428 (Continued) **S108076485**

Pluto-Base Map Indicator: 1

D24 **LOT 28,TAXBLOCK 2428** **NY E DESIGNATION** **S108076475**
NW **59 SOUTH 4 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.080 mi.
420 ft. **Site 5 of 5 in cluster D**

Relative:
Lower

Actual:
39 ft.

E DESIGNATION:

Tax Lot(s):	28
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	551
Census Block:	3005
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	E3
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	G G SALVAGE CORP
Lot Area:	000001500
Total Building Floor Area:	00000001500
Commercial Floor Area:	00000001500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000001500
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0020.00
Lot Depth:	0075.00
Building Frontage:	0020.83

LOT 28,TAXBLOCK 2428 (Continued) **S108076475**

Building Depth:	0075.83
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000010125
Total Assessed Value:	00000024795
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1960
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024280028
Condominium Number:	00000
Census Tract 2:	0551
X Coordinate:	0993718
Y Coordinate:	0199072
Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

H25 **CHROMIUM PLATING** **RCRA NonGen / NLR** **1001079690**
West **373 WYTHE AVE** **NYN008001893**
< 1/8 **BROOKLYN, NY 11211**
0.080 mi.
425 ft. **Site 2 of 10 in cluster H**

Relative:
Lower

Actual:
35 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CHROMIUM PLATING
Facility address:	373 WYTHE AVE BROOKLYN, NY 11211
EPA ID:	NYN008001893
Mailing address:	WYTHE AVE BROOKLYN, NY 11211
Contact:	Not reported
Contact address:	WYTHE AVE BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02

CHROMIUM PLATING (Continued) **1001079690**

Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: UNK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: UNK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CHROMIUM PLATING
Classification: Not a generator, verified

Date form received by agency: 09/29/1995
Facility name: CHROMIUM PLATING
Classification: Unverified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 04/10/1995

CHROMIUM PLATING (Continued) **1001079690**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

H26 West < 1/8 0.080 mi. 425 ft.

CHROMIUM PLATING & POLISHING CORP
373 WYTHE AVE
BROOKLYN, NY 11211

FTTS **1009512309**
HIST FTTS **N/A**
NY AST

Site 3 of 10 in cluster H

Relative: Lower

Actual: 35 ft.

FTTS:
Case Number: Not reported
Docket Number: EPCR-02-99-4212
Complaint Issue Date: 09/29/99
Abatement Amount: 0.0000
Proposed Penalty: 9795.0000
Final Assessment: 5877.0000
Final Order Date: 01/07/00
Close Date: / /
Violations(s): EPCRA, Late Reporting

FTTS INSP:
Inspection Number: 19990317E0002 2
Region: 02
Inspection Date: 03/17/99
Inspector: H. BASCH, PS
Violation occurred: Yes
Investigation Type: EPCRA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: EPCRA
Facility Function: Manufacturer

HIST FTTS:
Case Number: Not reported
Docket Number: EPCR-02-99-4212
Complaint Issue Date: 09/29/1999
Abatement Amount: 0.0000
Proposed Penalty: 9795.0000
Final Assessment: 5877.0000
Final Order Date: 01/07/2000
Close Date: / /
Violations(s): EPCRA, Late Reporting

HIST FTTS INSP:
Inspection Number: 19990317E0002 2
Region: 02
Inspection Date: Not reported
Inspector: H. BASCH, PS
Violation occurred: Yes
Investigation Type: EPCRA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: EPCRA
Facility Function: Manufacturer

CHROMIUM PLATING & POLISHING CORP (Continued) **1009512309**

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-095214
Program Type:	PBS
UTM X:	587354.43663000001
UTM Y:	4507290.1387099996
Expiration Date:	N/A

Affiliation Records:

Site Id:	2624
Affiliation Type:	Facility Owner
Company Name:	MARIO FICHERA
Contact Type:	OWNER
Contact Name:	MARIO FICHERA
Address1:	25-15 50TH STREET
Address2:	Not reported
City:	WOODSIDE
State:	NY
Zip Code:	11377
Country Code:	001
Phone:	(718) 726-3576
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	7/30/2007

Site Id:	2624
Affiliation Type:	Mail Contact
Company Name:	VISUAL MILLWORK & FIXTURE MFG.
Contact Type:	Not reported
Contact Name:	MARIO FICHERA
Address1:	25-15 50TH STREET
Address2:	Not reported
City:	WOODSIDE
State:	NY
Zip Code:	11377
Country Code:	001
Phone:	(718) 726-3576
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	7/13/2007

Site Id:	2624
Affiliation Type:	On-Site Operator
Company Name:	CHROMIUM PLATING & POLISHING CORP
Contact Type:	Not reported
Contact Name:	MARIO FICHERA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 726-3576

CHROMIUM PLATING & POLISHING CORP (Continued) **1009512309**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	7/13/2007

Site Id:	2624
Affiliation Type:	Emergency Contact
Company Name:	MARIO FICHERA
Contact Type:	Not reported
Contact Name:	MARIO FICHERA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 567-6451
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	7/13/2007

Tank Info:

Tank Number:	001
Tank Id:	4508
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
B00 - Tank External Protection - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	05/01/1970
Capacity Gallons:	5000
Tightness Test Method:	03
Date Test:	10/01/1988
Next Test Date:	Not reported
Date Tank Closed:	06/25/2007
Register:	True
Modified By:	DXLIVING
Last Modified:	07/13/2007

H27 West < 1/8 0.080 mi. 425 ft. | **CHROMIUM PLATING & POLISHING CORP**
373 WYTHE AVE
BROOKLYN, NY 11211

Site 4 of 10 in cluster H

NY HIST UST | **U003127546**
N/A

Relative: Lower

Actual: 35 ft.

HIST UST:

PBS Number:	2-095214
SPDES Number:	Not reported
Emergency Contact:	MARIO FICHERA
Emergency Telephone:	(718) 387-9898
Operator:	MARIO FICHERA
Operator Telephone:	(718) 387-9898
Owner Name:	MARIO FICHERA
Owner Address:	10 BROOKSIDE DR
Owner City,St,Zip:	PLANDOME, NY 11030
Owner Telephone:	(718) 387-9898
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Name:	CHROMIUM PLATING & POLISHING CORP
Mailing Address:	373 WYTHE AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	MARIO FICHERA
Mailing Telephone:	(718) 387-9898
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	373 WYTHE AVE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/12/1997
Expiration Date:	05/07/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	19700501
Capacity (gals):	5500

CHROMIUM PLATING & POLISHING CORP (Continued) **U003127546**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	Epoxy Liner
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Vent Whistle
Dispenser:	Suction
Date Tested:	10/01/1988
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

H28 **CONSOLIDATED EDISON - MH 53591** **NY MANIFEST** **S112140334**
West **373 WYTHE AVE** **N/A**
< 1/8 **BROOKLYN, NY 11201**
0.080 mi.
425 ft. **Site 5 of 10 in cluster H**

Relative:
Lower

Actual:
35 ft.

NY MANIFEST:

EPA ID:	NYP004250916
Country:	USA
Mailing Name:	CONSOLIDATED EDISON - MH 53591
Mailing Contact:	TOM TEELING
Mailing Address:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-3770

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-03
Trans1 Recv Date:	2012-04-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-10
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004250916
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	100.0

CONSOLIDATED EDISON - MH 53591 (Continued) **S112140334**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	001128589GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	2012-04-03
Trans1 Recv Date:	2012-04-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-04-10
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004250916
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	100.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	001128589GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

H29 West < 1/8 0.080 mi. 425 ft. | **CHROMIUM PLATING & POLISHING**
373 WYTHE AVE
BROOKLYN, NY 11211

Site 6 of 10 in cluster H

RCRA-SQG
FTTS
HIST FTTS
FINDS
NY LTANKS
NY MANIFEST

1000334778
NYD041975715

Relative: Lower

Actual: 35 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	CHROMIUM PLATING & POLISHING
Facility address:	373 WYTHE AVE BROOKLYN, NY 11211
EPA ID:	NYD041975715
Mailing address:	25-15 50TH ST WOODSIDE, NY 11377
Contact:	BOB GENZALE
Contact address:	25-15 50TH ST WOODSIDE, NY 11377
Contact country:	US
Contact telephone:	(718) 387-9898
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NO NAME FOUND
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1998
Owner/Op end date:	Not reported

Owner/operator name:	MARIO FICHERA
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CHROMIUM PLATING & POLISHING
Classification: Large Quantity Generator

Date form received by agency: 01/20/2004
Facility name: CHROMIUM PLATING & POLISHING
Classification: Small Quantity Generator

Date form received by agency: 02/16/2002
Facility name: CHROMIUM PLATING & POLISHING
Site name: CHROMIUM PLATING & POLISHING CORP
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001
Facility name: CHROMIUM PLATING & POLISHING
Site name: CHROMIUM PLATING & POLISHING CORP
Classification: Large Quantity Generator

Date form received by agency: 03/05/1998
Facility name: CHROMIUM PLATING & POLISHING
Site name: CHROMIUM PLATING & POLISHING CORP
Classification: Large Quantity Generator

Date form received by agency: 02/07/1996
Facility name: CHROMIUM PLATING & POLISHING
Site name: CHROMIUM PLATING & POLISHING CORP
Classification: Large Quantity Generator

Date form received by agency: 02/02/1994
Facility name: CHROMIUM PLATING & POLISHING
Site name: CHROMIUM PLATING & POLISHING CORP
Classification: Large Quantity Generator

Date form received by agency: 01/24/1992
Facility name: CHROMIUM PLATING & POLISHING
Site name: CHROMIUM PLATING & POLISHING CORP
Classification: Large Quantity Generator

Date form received by agency: 11/10/1980
Facility name: CHROMIUM PLATING & POLISHING
Site name: CHROMIUM PLATING & POLISHING CORP
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: SR - 372/373

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Area of violation:	Generators - General
Date violation determined:	10/29/2003
Date achieved compliance:	04/10/2006
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	02/03/2006
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	15000
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	SR - 372/373
Area of violation:	Generators - General
Date violation determined:	10/29/2003
Date achieved compliance:	04/10/2006
Violation lead agency:	State
Enforcement action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date:	02/28/2006
Enf. disposition status:	Action Satisfied (Case Closed)
Enf. disp. status date:	09/08/2006
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	15000
Paid penalty amount:	15000

Regulation violated:	SR - 372/373
Area of violation:	Generators - General
Date violation determined:	10/29/2003
Date achieved compliance:	04/10/2006
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	02/24/2004
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	15000
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	SR - 372.2(a)(8)/373-3.4,3.3,3.2
Area of violation:	Generators - General
Date violation determined:	02/07/2002
Date achieved compliance:	04/10/2006
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	02/03/2006
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	15000
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	SR - 372.2(a)(8)/373-3.4,3.3,3.2
Area of violation:	Generators - General

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Date violation determined: 02/07/2002
Date achieved compliance: 04/10/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 06/23/2003
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 04/10/2006
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: SR - 372.2(a)(8)/373-3.4,3.3,3.2
Area of violation: Generators - General
Date violation determined: 02/07/2002
Date achieved compliance: 04/10/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/24/2002
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 04/10/2006
Enforcement lead agency: State
Proposed penalty amount: 77500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/02/1988
Date achieved compliance: 11/21/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/10/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/10/2006
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/02/2004
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/29/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/10/2006

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Evaluation lead agency: State

Evaluation date: 04/03/2002
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/07/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/10/2006
Evaluation lead agency: State

Evaluation date: 09/09/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/10/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/25/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/14/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/02/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/21/1988
Evaluation lead agency: State

FTTS INSP:
Inspection Number: 20000428F2574 1
Region: 07
Inspection Date: 04/28/00
Inspector: BOUTZ
Violation occurred: No
Investigation Type: General Product Review
Investigation Reason: Neutral Scheme, Region
Legislation Code: FIFRA
Facility Function: Producer

HIST FTTS INSP:

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Inspection Number: 20000428F2574 1
Region: 07
Inspection Date: Not reported
Inspector: BOUTZ
Violation occurred: No
Investigation Type: General Product Review
Investigation Reason: Neutral Scheme, Region
Legislation Code: FIFRA
Facility Function: Producer

FINDS:

Registry ID: 110000807574

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

HAZARDOUS WASTE BIENNIAL REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

LTANKS:

Site ID:	95365
Spill Number/Closed Date:	8801453 / 3/4/1994
Spill Date:	5/17/1988
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	3/4/1994
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	5/17/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	5/19/1988
Spill Record Last Update:	8/18/2005
Spiller Name:	Not reported
Spiller Company:	MARIO FIFCHERA(CONTACT)
Spiller Address:	373 WYTHE AV
Spiller City,St,Zip:	BROOKLYN, NY 11211
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	85302
DEC Memo:	Not reported
Remarks:	5K TANK, L R = UNDETERMINABLE, THEY COULDN'T MAINTAIN LEVEL IN STAND PIPE. INIT PETRO-TITE SYSTEM. 7/19 : RETEST L R = -0.219 GPH. NO ACTION.8/18/05-Vought-Found letter from Tank Testing Inc (718-789-3770) dated 11/5/93. "loos and or weak connections at the top of the tank were discovered and repaired". No evidence of oil leakage during normal operations. Tank was retested and passed.

Material:

Site ID:	95365
Operable Unit ID:	916933
Operable Unit:	01

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Material ID:	460600
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	95365
Spill Tank Test:	1533911
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

NY MANIFEST:

EPA ID:	NYD041975715
Country:	USA
Mailing Name:	CHROMIUM PLATING POLISHING
Mailing Contact:	MARIO FICHERA
Mailing Address:	25-15 50TH STREET
Mailing Address 2:	Not reported
Mailing City:	WOODSIDE
Mailing State:	NY
Mailing Zip:	11377
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-387-9898

Document ID:	PAE3495026
Manifest Status:	Not reported
Trans1 State ID:	NJD000813477
Trans2 State ID:	Not reported
Generator Ship Date:	01/05/1999
Trans1 Recv Date:	01/05/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/06/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	PAD087561015
Trans2 EPA ID:	Not reported
TSDF ID:	PAAH0278
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	49180
Units:	P - Pounds

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Number of Containers:	028
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG5237685
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	01/16/2006
Trans1 Recv Date:	01/16/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/24/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	1638202ME
Trans2 EPA ID:	Not reported
TSDF ID:	OHD986976348
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	09000
Units:	P - Pounds
Number of Containers:	006
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2006

Document ID:	PAE0774885
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0278
Trans2 State ID:	Not reported
Generator Ship Date:	950606
Trans1 Recv Date:	950606
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950608
Part A Recv Date:	950622
Part B Recv Date:	950619
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	PAD087561015
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	37700
Units:	P - Pounds
Number of Containers:	028
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	95

Document ID:	NJA1002595
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Trans1 State ID:	NJDEPS103
Trans2 State ID:	NJDEPS103
Generator Ship Date:	900619
Trans1 Recv Date:	900619
Trans2 Recv Date:	900620
TSD Site Recv Date:	900621
Part A Recv Date:	900817
Part B Recv Date:	900827
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	NYD000691949
TSDF ID:	NJD002454544
Waste Code:	F001 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	PAE0774896
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PAAH02781
Trans2 State ID:	Not reported
Generator Ship Date:	950222
Trans1 Recv Date:	950222
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950223
Part A Recv Date:	Not reported
Part B Recv Date:	950330
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	PAD087561015
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00034
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	034
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	95

Document ID:	PAE3495354
Manifest Status:	Not reported
Trans1 State ID:	NJD000813477
Trans2 State ID:	Not reported
Generator Ship Date:	02/19/2002
Trans1 Recv Date:	02/19/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/20/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD041975715

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Trans1 EPA ID:	PAD087561015
Trans2 EPA ID:	Not reported
TSDF ID:	PAAH0278
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	37780
Units:	P - Pounds
Number of Containers:	022
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	MIA9170127
Manifest Status:	Not reported
Trans1 State ID:	PAD987358757
Trans2 State ID:	Not reported
Generator Ship Date:	12/17/2003
Trans1 Recv Date:	12/17/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/22/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	MID000724831
Trans2 EPA ID:	Not reported
TSDF ID:	XV96477PA
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00007
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	007
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2003

Document ID:	MIA9170147
Manifest Status:	Not reported
Trans1 State ID:	PAD987357587
Trans2 State ID:	Not reported
Generator Ship Date:	12/23/2003
Trans1 Recv Date:	12/23/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/31/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	MID000724831
Trans2 EPA ID:	Not reported
TSDF ID:	XV96470
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	04000
Units:	P - Pounds
Number of Containers:	004
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	T Chemical, physical, or biological treatment.

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Specific Gravity:	01.00
Year:	2003

Document ID:	MIA8694566
Manifest Status:	Not reported
Trans1 State ID:	PAD987358587
Trans2 State ID:	Not reported
Generator Ship Date:	02/21/2003
Trans1 Recv Date:	02/21/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/24/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	MID000724831
Trans2 EPA ID:	Not reported
TSDF ID:	XV96477PA
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	15600
Units:	P - Pounds
Number of Containers:	013
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2003

Document ID:	PAE0774863
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0278
Trans2 State ID:	Not reported
Generator Ship Date:	960321
Trans1 Recv Date:	960321
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960322
Part A Recv Date:	960329
Part B Recv Date:	960402
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	PAD087561015
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	38660
Units:	P - Pounds
Number of Containers:	028
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	PAE0774874
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0278
Trans2 State ID:	Not reported
Generator Ship Date:	960116

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Trans1 Recv Date:	960116
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960117
Part A Recv Date:	960130
Part B Recv Date:	960129
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	PAD087561015
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	42720
Units:	P - Pounds
Number of Containers:	031
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	CTF0263928
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	MD102E84
Trans2 State ID:	Not reported
Generator Ship Date:	960818
Trans1 Recv Date:	960820
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960822
Part A Recv Date:	960830
Part B Recv Date:	960912
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	MAD039322250
Trans2 EPA ID:	Not reported
TSDF ID:	CTD000604488
Waste Code:	F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity:	00235
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA2279104
Manifest Status:	Completed copy
Trans1 State ID:	2809
Trans2 State ID:	Not reported
Generator Ship Date:	960319
Trans1 Recv Date:	960319
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960319
Part A Recv Date:	960329
Part B Recv Date:	960328
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NJD002454544
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00150
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	PAC1474896
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PAAH0278
Trans2 State ID:	Not reported
Generator Ship Date:	930823
Trans1 Recv Date:	930823
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930824
Part A Recv Date:	930831
Part B Recv Date:	930924
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	PAD087561015
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	25600
Units:	P - Pounds
Number of Containers:	033
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	03640
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01580
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	93

Document ID:	NJA2574205
Manifest Status:	Completed copy
Trans1 State ID:	2809
Trans2 State ID:	Not reported
Generator Ship Date:	960806
Trans1 Recv Date:	960806
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960806
Part A Recv Date:	Not reported

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Part B Recv Date:	960827
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NJD002454544
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NYG5237703
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	11/18/2005
Trans1 Recv Date:	11/18/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/22/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	1638202ME
Trans2 EPA ID:	Not reported
TSDF ID:	OHD986976348
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	01250
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	025
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	Not reported

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Year:	Not reported

Document ID:	NYG5237712
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	11/18/2005
Trans1 Recv Date:	11/18/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/22/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	1638202ME
Trans2 EPA ID:	Not reported
TSDF ID:	OHD986976348
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	24000
Units:	P - Pounds
Number of Containers:	016
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYG1595826
Manifest Status:	Not reported
Trans1 State ID:	PAD987358587
Trans2 State ID:	Not reported
Generator Ship Date:	03/21/2001
Trans1 Recv Date:	03/21/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/27/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	OHD083377010
Trans2 EPA ID:	Not reported
TSDF ID:	AE53109PA
Waste Code:	F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	PAE0686490
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0278
Trans2 State ID:	Not reported
Generator Ship Date:	960903
Trans1 Recv Date:	960903

CHROMIUM PLATING & POLISHING (Continued) **1000334778**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960904
Part A Recv Date:	960912
Part B Recv Date:	960919
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	PAD087561015
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	47990
Units:	P - Pounds
Number of Containers:	033
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01810
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NYB1377882
Manifest Status:	Completed copy
Trans1 State ID:	86240DNY
Trans2 State ID:	Not reported
Generator Ship Date:	910402
Trans1 Recv Date:	910402
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910403
Part A Recv Date:	910426
Part B Recv Date:	910419
Generator EPA ID:	NYD041975715
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	25920
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91

Click this hyperlink while viewing on your computer to access
22 additional NY_MANIFEST: record(s) in the EDR Site Report.

H30 West < 1/8 0.081 mi. 430 ft. | **WYTHE AV/ SO 5TH ST BROOKLYN, NY** | **NY Spills** | **S104790287 N/A**

Site 7 of 10 in cluster H

Relative: Lower

Actual: 35 ft.

SPILLS:

Facility ID:	0007928
DER Facility ID:	226143
Facility Type:	ER
Site ID:	278510
DEC Region:	2
Spill Date:	10/5/2000
Spill Number/Closed Date:	0007928 / 12/14/2001
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	10/5/2000
CID:	211
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/5/2000
Spill Record Last Update:	12/14/2001
Spiller Name:	CALLER
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	001
Contact Name:	KEVIN EDWARDS
Contact Phone:	(718) 354-4136
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"see spill #0007924
Remarks:	PUMP TURNED ON DISCHARGING PRODUCT INTO SEWER SYSTEM CLEAN UP CREW CONTACTED

Material:

Site ID:	278510
Operable Unit ID:	828556
Operable Unit:	01
Material ID:	545447
Material Code:	0017A
Material Name:	PCB OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

WYTHE AV/ (Continued) **S104790287**

Tank Test:

H31
West
< 1/8
0.082 mi.
433 ft.

VAULT 5511 **NY Spills** **S104788152**
WYTHE AVE/S 5TH ST **N/A**
BROOKLYN, NY

Site 8 of 10 in cluster H

Relative:
Lower

Actual:
35 ft.

SPILLS:

Facility ID:	0005490
DER Facility ID:	158612
Facility Type:	ER
Site ID:	190081
DEC Region:	2
Spill Date:	8/8/2000
Spill Number/Closed Date:	0005490 / 11/8/2001
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	8/8/2000
CID:	382
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/8/2000
Spill Record Last Update:	11/8/2001
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	999
Contact Name:	BILL MURPHY
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Remarks:	2 qts oil on floor of vault. clean up pending. con ed 132-754. hx pcb 1/1/71 5ppm

Material:

Site ID:	190081
Operable Unit ID:	826538
Operable Unit:	01
Material ID:	550217
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0

VAULT 5511 (Continued) **S104788152**

Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

H32
West
< 1/8
0.082 mi.
433 ft.

Relative:
Lower

Actual:
35 ft.

CONSOLIDATED EDISON **NY MANIFEST** **1009239346**
S 5TH ST & WITHE AVE **N/A**
BROOKLYN, NY

Site 9 of 10 in cluster H

NY MANIFEST:
EPA ID: NYP004060240
Country: USA
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-460-2808

Document ID: NYE0666927
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 08/15/2000
Trans1 Recv Date: 08/15/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/15/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004060240
Trans1 EPA ID: NYD980593636
Trans2 EPA ID: Not reported
TSDF ID: 3L877AJ
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity: 00791
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2000

Document ID: NYE0685728
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported

CONSOLIDATED EDISON (Continued) **1009239346**

Generator Ship Date:	08/15/2000
Trans1 Recv Date:	08/15/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/16/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004060240
Trans1 EPA ID:	NYD980593636
Trans2 EPA ID:	Not reported
TSDF ID:	80680AE
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00576
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

H33 **VAULT #5511** **NY Spills** **S104790285**
West **WYTHE AV & S 5TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.082 mi.
433 ft. **Site 10 of 10 in cluster H**

Relative:
Lower

Actual:
35 ft.

SPILLS:

Facility ID:	0007924
DER Facility ID:	230328
Facility Type:	ER
Site ID:	284016
DEC Region:	2
Spill Date:	10/5/2000
Spill Number/Closed Date:	0007924 / 12/14/2001
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	10/5/2000
CID:	390
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/5/2000
Spill Record Last Update:	12/14/2001
Spiller Name:	CALLER
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	001
Contact Name:	ANTHONY NATALE

VAULT #5511 (Continued) **S104790285**

Contact Phone: (212) 580-6763
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Con Ed e2mis #133803 Notes:10-5-00 1 pint transformer oil leaked from unit down side of ground handle, unit and onto floor of structure (sees a stain). Also affected sump in structure which has approx 15gal water in sump with a film. Upon checking sump pump which was working upon arrival, he disconnected and checked valve to find a trace of oil was released. Historical records indicate 5ppm from 9/99. Unit was pressure tested and found to be OK. Oil level was OK. PCB sample taken. Packed handle with diapers and plastic bags.Checked adjoining manhole and no oil was found. Cleanup was completed as of 1800hrs. All debris removed--two drums brought back to 3rd ave. Sump was already cemented.Sample returned 39ppm PCBs.10-6-00 Repair to leak on ground switch completed. Transformer pressure tested OK.Ron Cosentino reports the following: On 10-6-00, it was discovered by the Equipment Group, that an existing oil sample was found and it indicated an oil sample was taken from vault 5511 on 8/8/00. THe analysis indicated that the results were 50ppm PCBs. This was not in the main saver system. All departments involved were notified. They were instructed that all waste generated will be treated as >50ppm. An additional sample was taken and returned 48ppm.
Remarks: SPILL WAS FROM A TRANSFORMER IN A STREET VAULT - 1 PT WAS THE APPROXIMATE AMOUNT SPILLED. IT WAS SPILLED TO APPROXIMATELY 15 GALS. OF WATER. IN THE VAULT - THERE WAS A SUMP PUMP. THE SUMP PUMP ACTIVATED AND PUMPED OUT THE WATER - CONTAINING THE OIL. FIGURES INDICATE LESS THAN 1 PT OF MATERIAL WAS RELEASED INTO THE PUBLIC SEWER SYSTEM.CLEAN UP WILL BE CONDUCTED BY CON-ED.CON ED #133803

Material:
Site ID: 284016
Operable Unit ID: 830408
Operable Unit: 01
Material ID: 545443
Material Code: 0020A
Material Name: TRANSFORMER OIL
Case No.: Not reported
Material FA: Petroleum
Quantity: 1
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

F34 **BTWN NERRY ST & WHITE ST** **NY LTANKS** **S101103247**
NNW **65 SOUTH 3RD STREET** **N/A**
< 1/8 **BROOKLYN, NY**
0.083 mi.
440 ft. **Site 2 of 2 in cluster F**

Relative:
Lower

Actual:
42 ft.

LTANKS:
Site ID: 213756
Spill Number/Closed Date: 9401369 / 11/22/1996
Spill Date: 4/28/1994
Spill Cause: Tank Failure
Spill Source: Private Dwelling

BTWN NERRY ST & WHITE ST (Continued) **S101103247**

Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	4/28/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	5/3/1994
Spill Record Last Update:	7/20/2004
Spiller Name:	Not reported
Spiller Company:	ANGEL DAVILA
Spiller Address:	79 SOUTH 6TH STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	177095
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"CLEANED BY RP.
Remarks:	275 GALLON OIL TANK IN BACK YD. ONE LEAKING ON PROPERITY ON TO STREET NYC DEP. AT SITE & WOULD LIKE DEC. REG. AT SITE.

Material:

Site ID:	213756
Operable Unit ID:	998608
Operable Unit:	01
Material ID:	553986
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	275
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

G35 ENE < 1/8 0.084 mi. 441 ft.

111 SOUTH 3RD STREET
111 SOUTH 3RD STREET
BROOKLYN, NY 11211

Site 2 of 3 in cluster G

NY AST **U003394663**
NY HIST AST **N/A**

Relative: Higher

Actual: 51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-467081
Program Type:	PBS
UTM X:	587579.95545999997
UTM Y:	4507381.7316199997
Expiration Date:	2016/06/12

Affiliation Records:

Site Id:	20301
Affiliation Type:	On-Site Operator
Company Name:	111 SOUTH 3RD STREET
Contact Type:	Not reported
Contact Name:	CARLOS VEGA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 262-7786
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/11/2011

Site Id:	20301
Affiliation Type:	Emergency Contact
Company Name:	111 SOUTH STREET HDFC
Contact Type:	Not reported
Contact Name:	CARLOS VEGA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(347) 262-7786
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	5/7/2008

Site Id:	20301
Affiliation Type:	Mail Contact
Company Name:	111 SOUTH STREET HDFC
Contact Type:	SECR
Contact Name:	RAQUEL CABASSA
Address1:	111 SOUTH 3RD ST. # 3C
Address2:	Not reported
City:	BROOKLYN
State:	NY

111 SOUTH 3RD STREET (Continued) **U003394663**

Zip Code:	11211
Country Code:	001
Phone:	(718) 486-0132
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	5/7/2008

Site Id:	20301
Affiliation Type:	Facility Owner
Company Name:	111 SOUTH STREET HDFC
Contact Type:	SECR
Contact Name:	RAQUEL CABASSA
Address1:	111 SOUTH 3RD ST. # 3C
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 486-7880
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/11/2011

Tank Info:

Tank Number:	001
Tank Id:	36978
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J02 - Dispenser - Suction Dispenser
	L09 - Piping Leak Detection - Exempt Suction Piping
	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	I04 - Overfill - Product Level Gauge (A/G)
	G03 - Tank Secondary Containment - Vault (w/o access)
	B00 - Tank External Protection - None
	H00 - Tank Leak Detection - None
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1993
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	msbaptis
Last Modified:	05/07/2008

111 SOUTH 3RD STREET (Continued) **U003394663**

HIST AST:

PBS Number:	2-467081
SWIS Code:	6101
Operator:	NYC HOUSING PRESERV & DEVEL
Facility Phone:	(212) 806-8565
Facility Addr2:	111 SOUTH 3RD STREET
Facility Type:	Not reported
Emergency:	LEE KERBEL
Emergency Tel:	(718) 636-3015
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYC HOUSING PRESERV & DEVEL
Owner Address:	75 MAIDEN LANE
Owner City,St,Zip:	NEW YORK, NY 10038
Federal ID:	Not reported
Owner Tel:	(212) 806-8565
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	NYC HOUSING PRESERV & DEVEL
Mailing Address:	75 MAIDEN LANE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10038
Mailing Telephone:	(212) 806-8565
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	02/15/1989
Expiration:	02/15/1994
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported

111 SOUTH 3RD STREET (Continued) **U003394663**

Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

I36 **SANDOR GOLDBERGER** **NY AST** **U003388184**
ESE **370 BEDFORD AVE** **NY HIST AST** **N/A**
< 1/8 **BKLYN, NY 11211**
0.085 mi.
449 ft. **Site 1 of 12 in cluster I**

Relative:
Higher

Actual:
51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-259926
Program Type:	PBS
UTM X:	587614.55639000004
UTM Y:	4507248.4585699998
Expiration Date:	2017/07/10

Affiliation Records:

Site Id:	10829
Affiliation Type:	Facility Owner
Company Name:	613 SG LLC
Contact Type:	PROPERTY MANAGER
Contact Name:	JACOB BERNAT
Address1:	543 BEDFORD AVE PMB 114
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 243-2889
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	4/3/2007

Site Id:	10829
Affiliation Type:	Mail Contact
Company Name:	613 SG LLC
Contact Type:	Not reported
Contact Name:	JACOB BERNAT
Address1:	199 LEE AVENUE
Address2:	PMB 381

SANDOR GOLDBERGER (Continued) **U003388184**

City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 243-2889
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	4/3/2007

Site Id:	10829
Affiliation Type:	On-Site Operator
Company Name:	613 SG LLCDBERGER
Contact Type:	Not reported
Contact Name:	PLAZA MANAGEMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 243-2889
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	10829
Affiliation Type:	Emergency Contact
Company Name:	613 SG LLC
Contact Type:	Not reported
Contact Name:	MARK GOLDBERGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 875-1415
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	13325
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

SANDOR GOLDBERGER (Continued) **U003388184**

I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1990
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	01/29/2013

HIST AST:

PBS Number:	2-259926
SWIS Code:	6101
Operator:	SANDOR GOLDBERGER
Facility Phone:	(718) 852-3370
Facility Addr2:	370 BEDFORD AVE
Facility Type:	APARTMENT BUILDING
Emergency:	SANDOR GOLDBERGER
Emergency Tel:	(718) 875-1415
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	SANDOR GOLDBERGER
Owner Address:	659 BEDFORD AVE
Owner City,St,Zip:	BKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 875-1415
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	SANDOR GOLDBERGER
Mailing Address:	659 BEDFORD AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BKLYN, NY 11211
Mailing Telephone:	(718) 875-1415
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	08/01/1997
Expiration:	07/10/2002
Renew Flag:	False
Renew Date:	Not reported

SANDOR GOLDBERGER (Continued) **U003388184**

Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

G37 **118 SOUTH 3RD ST** **NY AST** **U003389272**
ENE **118 SOUTH 3RD ST** **NY HIST AST** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.085 mi.
451 ft. **Site 3 of 3 in cluster G**

Relative:
Higher

Actual:
51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Administratively Closed
Facility Id:	2-304794
Program Type:	PBS
UTM X:	587606.98725000001
UTM Y:	4507368.8295900002
Expiration Date:	N/A

Affiliation Records:

Site Id:	13905
Affiliation Type:	Mail Contact

118 SOUTH 3RD ST (Continued) **U003389272**

Company Name:	189 SOUTH 3RD ST. REALTY CO.
Contact Type:	Not reported
Contact Name:	PHILIP SHAPIRO
Address1:	P.O. BOX 070898
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11207
Country Code:	001
Phone:	(718) 452-2500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13905
Affiliation Type:	Facility Owner
Company Name:	PHILIP SHAPIRO
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	P.O. BOX 070898
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11207
Country Code:	001
Phone:	(718) 452-2500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13905
Affiliation Type:	On-Site Operator
Company Name:	118 SOUTH 3RD ST
Contact Type:	Not reported
Contact Name:	RAPHAEL LOPEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-7236
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13905
Affiliation Type:	Emergency Contact
Company Name:	PHILIP SHAPIRO
Contact Type:	Not reported
Contact Name:	PHILIP SHAPIRO
Address1:	Not reported
Address2:	Not reported
City:	Not reported

118 SOUTH 3RD ST (Continued) **U003389272**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 452-2500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	36941
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	01/08/2009

Tank Number:	001
Tank Id:	16268
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None

118 SOUTH 3RD ST (Continued) **U003389272**

	G00 - Tank Secondary Containment - None
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/05/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Affiliation Records:

Site Id:	20002
Affiliation Type:	On-Site Operator
Company Name:	118 SOUTH 3RD ST REALTY CORP
Contact Type:	Not reported
Contact Name:	PHILIP SHAPIRO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 452-2500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20002
Affiliation Type:	Emergency Contact
Company Name:	118 SOUTH 3RD ST REALTY CORP
Contact Type:	Not reported
Contact Name:	DAVID MANDEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 371-5511
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20002
Affiliation Type:	Facility Owner
Company Name:	118 SOUTH 3RD ST REALTY CORP
Contact Type:	VICE PRESIDENT
Contact Name:	PHILIP SHAPIRO
Address1:	P O BOX 070898
Address2:	Not reported

118 SOUTH 3RD ST (Continued) **U003389272**

City:	BROOKLYN
State:	NY
Zip Code:	11207
Country Code:	001
Phone:	(718) 452-2500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/8/2009

Site Id:	20002
Affiliation Type:	Mail Contact
Company Name:	118 SOUTH 3RD ST REALTY CORP
Contact Type:	VICE PRESIDENT
Contact Name:	PHILIP SHAPIRO
Address1:	P O BOX 070898
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11207
Country Code:	001
Phone:	(718) 452-2500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/8/2009

Tank Info:

Tank Number:	001
Tank Id:	36941
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True

118 SOUTH 3RD ST (Continued) **U003389272**

Modified By:	dxliving
Last Modified:	01/08/2009

Tank Number:	001
Tank Id:	16268
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/05/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-304794
SWIS Code:	6101
Operator:	RAPHAEL LOPEZ
Facility Phone:	(718) 387-7236
Facility Addr2:	118 SOUTH 3RD ST
Facility Type:	APARTMENT BUILDING
Emergency:	PHILIP SHAPIRO
Emergency Tel:	(718) 452-2500
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	PHILIP SHAPIRO
Owner Address:	P.O. BOX 070898
Owner City,St,Zip:	BROOKLYN, NY 11207
Federal ID:	Not reported
Owner Tel:	(718) 452-2500
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	PHILIP SHAPIRO
Mailing Name:	189 SOUTH 3RD ST. REALTY CO.
Mailing Address:	P.O. BOX 070898

118 SOUTH 3RD ST (Continued) **U003389272**

Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11207
Mailing Telephone:	(718) 452-2500
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	08/12/1997
Expiration:	07/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

I38 ESE < 1/8 0.086 mi. 454 ft. | **OLD GAS STATION 364 -368 BEDFORD AVE BROOKLYN, NY** | **NY Spills** | **S107522375 N/A**

Site 2 of 12 in cluster I

Relative: Higher

Actual: 51 ft.

SPILLS:

Facility ID:	0512374
DER Facility ID:	308668
Facility Type:	ER
Site ID:	358683
DEC Region:	2
Spill Date:	1/25/2006
Spill Number/Closed Date:	0512374 / 3/6/2006
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	1/25/2006
CID:	444
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/25/2006
Spill Record Last Update:	3/6/2006
Spiller Name:	DANNY SING
Spiller Company:	OLD GAS STATION
Spiller Address:	364 -368 BEDFORD AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	DANNY SING
Contact Phone:	(718) 857-3100
DEC Memo:	01/25/06-Hiralkumar Patel. Spoke with Mr. Ted Yen at Don Carlo Environmental. Don Carlo is doing soil test of this property, which was gas station back in 1940-50. Using PID, they found soil contamination (possibly gasoline) in about 5 cubic yard of area. at about 5ft BG, they found odor during investigation in contaminated area. As per Ted there are no tanks on location and this property is recoreded as E in DEP records. SYC Realty has baught this property recently. Person at SYC Realty is Pearo. (Cell: 917-468-6871)01/26/06-Hiralkumar Patel. Spoke with Mr. Danny sing at Don Carlo. the alternate number for Danny is 718-857-9800 and FAX 718-857-2100. As per Danny, they going out on site for clean up process. they going to excavate soil and will take end point samples for analysis. once they get report from lab, they will submit us.The owner of this property:Bedford Loft LLC (main company is SYC Realty)80 Clay Street, Brooklyn, NY 11222Person at Bedford Loft LLC: Sam Pearo / Max Stark (718) 349-8067Left message for Sam at Bedford LLC at 10:25AM01/27/06-Hiralkumar Patel. the alternate phone number for Sam is (718) 302-5555. left message for Sam.01/31/06-Hiralkumar Patel. Talked with Mr. Hiloy Porges (FAX: 718-504-4963) at Bedford

OLD GAS STATION (Continued) **S107522375**

Loft LLC. Max Stark is property manager. Sent out CSL to Max at Bedford. also faxed to Max, D. sing at Don Carlo (Fax 718-857-2100) and D. Cabbagestalk (NYCDEP, Fax: 718-595-4479)02/24/06-Hiralkumar Patel. Spoke with Danny at Don Carlo. He has report ready and we will get it by monday 27th Feb 2006. End point samples came out clean.03/03/06-Hiralkumar Patel. Spoke with Danny and as we haven't got any report he will hand delivered copy of report today/tomorrow.Received report from Don Carlo. Need to review.03/06/06-Hiralkumar Patel. Abstracts of report:- removed eight 550 gal gasoline USTs from location.- a total of 100.81 tons of contaminated soil was removed from the site, transported to Soil Safe Inc., Bridgeport, NJ- no holes were observed on the tank walls.- removed five 55 gal DOT drums containing tank bottom material.- based on visual and olfactory evidence, there was some contamination localized in the area located on the north perimeter of the tank grave in the vicinity of the fill pipes.- remaining sections of the excavated pit showed no visible staining or smell of petroleum product.- a composite soil sample was taken from the stockpiled of contaminated soil.- five end point soil samples (EP-1, EP-2, EP-3, EP-4 & BS-1) taken from the four side walls and bottom of the grave.- no VOCs found in any samples.- no SVOCs found exceeding TGAM limit in any samples.- groundwater flow is assumed to be in a westerly direction. no groundwater was observed in the pit.- potable water is supplied by the municipality and there are no private wells in the vicinity of the tanks.- Eastmond pumped approx. 4400 gal of water out from the eight USTs.based on the analytical reports of endpoint samples, case is closed. NFA letter sent out to Max STark at Bedford. FAxed to D. Sing at Don Carlo and to Mr. D. Cabbagestalk at NYCDEP (E designated site).

Remarks: FOUND CONTAMINATION IN SOIL;

Material:

Site ID:	358683
Operable Unit ID:	1115916
Operable Unit:	01
Material ID:	2106027
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

I39 **EDR US Hist Auto Stat** **1015450754**
ESE **364 BEDFORD AVE** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.086 mi.
454 ft. **Site 3 of 12 in cluster I**

Relative:
Higher

Actual:
51 ft.

EDR Historical Auto Stations:

Name:	SANG AUTO REPAIR
Year:	2007
Address:	364 BEDFORD AVE

I40 **LOT 23,TAXBLOCK 2443** **NY E DESIGNATION** **S108076409**
ESE **364 BEDFORD AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.086 mi.
454 ft. **Site 4 of 12 in cluster I**

Relative:
Higher

Actual:
51 ft.

E DESIGNATION:

Tax Lot(s):	23
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1001
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	B
Lot Area:	000007452
Total Building Floor Area:	00000001200
Commercial Floor Area:	00000001200
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000001200
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7

LOT 23,TAXBLOCK 2443 (Continued) **S108076409**

Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0072.00
Lot Depth:	0103.50
Building Frontage:	0048.00
Building Depth:	0025.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000050400
Total Assessed Value:	00000050850
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.16
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024430023
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994414
Y Coordinate:	0198615
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

I41 **BEDFORD LOFT, LLC** **NY UST** **U004046113**
ESE **364-368 BEDFORD AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.086 mi.
454 ft. **Site 5 of 12 in cluster I**

Relative:
Higher

Actual:
51 ft.

UST:

Id/Status:	2-610127 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587585.19845999999
UTM Y:	4507287.8911600001

BEDFORD LOFT, LLC (Continued) **U004046113**

Affiliation Records:

Site Id:	359636
Affiliation Type:	Facility Owner
Company Name:	B & H SOUTH 4 CORP.
Contact Type:	AGENT
Contact Name:	MAX STARK
Address1:	80 CLAY STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11222
Country Code:	001
Phone:	(718) 349-8067
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/16/2006

Site Id:	359636
Affiliation Type:	Mail Contact
Company Name:	REAL ESTATE MGMT.
Contact Type:	Not reported
Contact Name:	MAX STARK
Address1:	80 CLAY STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11222
Country Code:	001
Phone:	(718) 349-8067
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/16/2006

Site Id:	359636
Affiliation Type:	On-Site Operator
Company Name:	BEDFORD LOFT, LLC
Contact Type:	Not reported
Contact Name:	MAX STARK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 296-1679
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/16/2006

Site Id:	359636
Affiliation Type:	Emergency Contact
Company Name:	B & H SOUTH 4 CORP.
Contact Type:	Not reported
Contact Name:	MAX STARK

BEDFORD LOFT, LLC (Continued) **U004046113**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 296-1679
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/16/2006

Tank Info:

Tank Number:	01
Tank ID:	210072
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/24/2006
Date Tank Closed:	01/24/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2006

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
L00 - Piping Leak Detection - None

Tank Number:	02
Tank ID:	210073
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/24/2006
Date Tank Closed:	01/24/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel

BEDFORD LOFT, LLC (Continued) **U004046113**

Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2006

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
L00 - Piping Leak Detection - None

Tank Number: 03
Tank ID: 210074
Tank Status: Closed - Removed
Capacity Gallons: 550
Install Date: 01/24/2006
Date Tank Closed: 01/24/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2006

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
L00 - Piping Leak Detection - None

BEDFORD LOFT, LLC (Continued) **U004046113**

Tank Number:	04
Tank ID:	210075
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/24/2006
Date Tank Closed:	01/24/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2006

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
L00 - Piping Leak Detection - None

Tank Number:	05
Tank ID:	210076
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/24/2006
Date Tank Closed:	01/24/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2006

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None

BEDFORD LOFT, LLC (Continued) **U004046113**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
L00 - Piping Leak Detection - None

Tank Number:	06
Tank ID:	210077
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/24/2006
Date Tank Closed:	01/24/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2006

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
L00 - Piping Leak Detection - None

Tank Number:	07
Tank ID:	210078
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/24/2006
Date Tank Closed:	01/24/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported

BEDFORD LOFT, LLC (Continued) **U004046113**

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2006

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
L00 - Piping Leak Detection - None

Tank Number: 08
Tank ID: 210079
Tank Status: Closed - Removed
Capacity Gallons: 550
Install Date: 01/24/2006
Date Tank Closed: 01/24/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2006

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
L00 - Piping Leak Detection - None

I42
ESE
< 1/8
0.087 mi.
458 ft.

EDR US Hist Auto Stat **1015446641**
N/A

357 BEDFORD AVE
BROOKLYN, NY 11211

Site 6 of 12 in cluster I

Relative:
Higher

Actual:
51 ft.

EDR Historical Auto Stations:

Name:	AUTOMOTIVE HS
Year:	2003
Address:	357 BEDFORD AVE

I43
ESE
< 1/8
0.087 mi.
460 ft.

NY E DESIGNATION **S108469850**
N/A

LOT 5,TAXBLOCK 2444
359 BEDFORD AVENUE
BROOKLYN, NY 11211

Site 7 of 12 in cluster I

Relative:
Higher

Actual:
51 ft.

E DESIGNATION:

Tax Lot(s):	5
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1000
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	ALFREDO CRESPO
Lot Area:	000002300
Total Building Floor Area:	00000002530
Commercial Floor Area:	00000000843
Office Floor Area:	00000000000
Retail Floor Area:	00000000843
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7

LOT 5,TAXBLOCK 2444 (Continued) **S108469850**

Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0023.00
Lot Depth:	0100.00
Building Frontage:	0023.00
Building Depth:	0065.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000001454
Total Assessed Value:	00000006998
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1899
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.10
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024440005
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994535
Y Coordinate:	0198486
Zoning Map:	12D
Sanborn Map:	303 013
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

I44 **LOT 29,TAXBLOCK 2443** **NY E DESIGNATION** **S108076486**
SE **376 BEDFORD AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.088 mi.
463 ft. **Site 8 of 12 in cluster I**

Relative:
Higher

Actual:
50 ft.

E DESIGNATION:

Tax Lot(s):	29
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK

LOT 29,TAXBLOCK 2443 (Continued) **S108076486**

Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1001
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	S2
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	ACHDUS
Lot Area:	000002722
Total Building Floor Area:	00000002310
Commercial Floor Area:	00000000870
Office Floor Area:	00000000000
Retail Floor Area:	00000000870
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00002
Non and Residential Units:	00003
Lot Frontage:	0024.00
Lot Depth:	0103.50
Building Frontage:	0024.00
Building Depth:	0045.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000002796
Total Assessed Value:	00000014580
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1899
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported

LOT 29,TAXBLOCK 2443 (Continued) **S108076486**

Built Floor Area Ratio-Far:	0000.85
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024430029
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994359
Y Coordinate:	0198503
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

I45 **MANHOLE 42** **NY Spills** **S104285116**
ESE **351 BEDFORD AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.088 mi.
464 ft. **Site 9 of 12 in cluster I**

Relative:
Higher

Actual:
51 ft.

SPILLS:

Facility ID:	9911389
DER Facility ID:	124903
Facility Type:	ER
Site ID:	146686
DEC Region:	2
Spill Date:	12/29/1999
Spill Number/Closed Date:	9911389 / 3/28/2002
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	12/29/1999
CID:	205
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/29/1999
Spill Record Last Update:	3/28/2002
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported

MANHOLE 42 (Continued) **S104285116**

Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Remarks:	1 gallon on 100 gallons water. samples. con ed # 129430.

Material:

Site ID:	146686
Operable Unit ID:	1090091
Operable Unit:	01
Material ID:	296849
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

I46 **LOT 3,TAXBLOCK 2444** **NY E DESIGNATION** **S108469826**
SE **363 BEDFORD AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.089 mi.
469 ft. **Site 10 of 12 in cluster I**

Relative:
Higher

Actual:
51 ft.

E DESIGNATION:

Tax Lot(s):	3
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1000
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8

LOT 3,TAXBLOCK 2444 (Continued) **S108469826**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	MAZAH CORP
Lot Area:	000002300
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0023.00
Lot Depth:	0100.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000018675
Total Assessed Value:	00000019575
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024440003
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994514
Y Coordinate:	0198444
Zoning Map:	12D
Sanborn Map:	303 013
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 3,TAXBLOCK 2444 (Continued) **S108469826**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

I47
SE
< 1/8
0.090 mi.
473 ft.

LOT 30,TAXBLOCK 2443
378 BEDFORD AVENUE
BROOKLYN, NY 11211

Site 11 of 12 in cluster I

NY E DESIGNATION **S108076505**
N/A

Relative:
Higher

Actual:
50 ft.

E DESIGNATION:

Tax Lot(s):	30
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1001
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	MOLINA, MARIA
Lot Area:	000004269
Total Building Floor Area:	00000003017
Commercial Floor Area:	00000003017
Office Floor Area:	00000000000
Retail Floor Area:	00000003017
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0040.50

LOT 30,TAXBLOCK 2443 (Continued) **S108076505**

Lot Depth:	0103.75
Building Frontage:	0039.83
Building Depth:	0081.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000027000
Total Assessed Value:	00000047250
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1910
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.71
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024430030
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994343
Y Coordinate:	0198473
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

I48 **LOT 2,TAXBLOCK 2444** **NY E DESIGNATION** **S108469811**
SE **365 BEDFORD AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.090 mi.
475 ft. **Site 12 of 12 in cluster I**

Relative:
Higher

Actual:
50 ft.

E DESIGNATION:

Tax Lot(s):	2
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549

LOT 2,TAXBLOCK 2444 (Continued) **S108469811**

Census Block:	1000
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	MAZAH CORP
Lot Area:	000002300
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0023.00
Lot Depth:	0100.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000018675
Total Assessed Value:	00000018900
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024440002
Condominium Number:	00000

LOT 2,TAXBLOCK 2444 (Continued) **S108469811**

Census Tract 2:	0549
X Coordinate:	0994476
Y Coordinate:	0198438
Zoning Map:	12D
Sanborn Map:	303 013
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

J49 **LOT 41,TAXBLOCK 2456** **NY E DESIGNATION** **S108078501**
SSW **93 SOUTH 6 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.091 mi.
478 ft. **Site 1 of 5 in cluster J**

Relative:
Lower

Actual:
41 ft.

E DESIGNATION:

Tax Lot(s):	41
E-No:	E-82
Effective Date:	3/18/1998
Satisfaction Date:	Not reported
Ceqr Number:	98DCP012K
Ulurp Number:	980077 ZMK
Zoning Map No:	12d
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1012
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	C4-3
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-3
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	CASE GRANDE CONSTR/EN
Lot Area:	000001484
Total Building Floor Area:	00000000312
Commercial Floor Area:	00000000312

LOT 41,TAXBLOCK 2456 (Continued) **S108078501**

Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000312
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0024.67
Lot Depth:	0060.17
Building Frontage:	0013.00
Building Depth:	0024.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000010035
Total Assessed Value:	00000011070
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.21
Maximum Allowable Far:	03.40
Borough Code:	3
Borough Tax Block And Lot:	3024560041
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993997
Y Coordinate:	0198292
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-82
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

J50 SSW < 1/8 0.091 mi. 479 ft. | **LOT 40,TAXBLOCK 2456**
95 SOUTH 6 STREET
BROOKLYN, NY 11211

Site 2 of 5 in cluster J

NY E DESIGNATION | **S108078500**
N/A

Relative: Lower

Actual: 41 ft.

E DESIGNATION:

Tax Lot(s):	40
E-No:	E-82
Effective Date:	3/18/1998
Satisfaction Date:	Not reported
Ceqr Number:	98DCP012K
Ulurp Number:	980077 ZMK
Zoning Map No:	12d
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1012
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	C4-3
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-3
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	CASE GRANDE CONSTR/EN
Lot Area:	000001554
Total Building Floor Area:	00000000500
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00001
Non and Residential Units:	00001
Lot Frontage:	0025.33
Lot Depth:	0061.33
Building Frontage:	0010.00
Building Depth:	0010.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5

LOT 40,TAXBLOCK 2456 (Continued) **S108078500**

Basement Type Grade:	5
Land Assessed Value:	00000013140
Total Assessed Value:	00000014850
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.32
Maximum Allowable Far:	03.40
Borough Code:	3
Borough Tax Block And Lot:	3024560040
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994038
Y Coordinate:	0198315
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-82
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

K51 **LOT 24,TAXBLOCK 2441** **NY E DESIGNATION** **S108076419**
WNW **390 WYTHE AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.091 mi.
479 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
34 ft.

E DESIGNATION:

Tax Lot(s):	24
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1003
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090

LOT 24,TAXBLOCK 2441 (Continued) **S108076419**

Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	386-394 WYTHE LLC
Lot Area:	000009450
Total Building Floor Area:	00000056700
Commercial Floor Area:	00000056700
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000056700
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	006.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0105.00
Lot Depth:	0090.00
Building Frontage:	0105.00
Building Depth:	0090.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000056250
Total Assessed Value:	00000397350
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1900
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0006.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024410024
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993632
Y Coordinate:	0198934
Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806

LOT 24,TAXBLOCK 2441 (Continued) **S108076419**

E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

J52
SSW
< 1/8
0.091 mi.
481 ft.

Relative:
Lower

Actual:
40 ft.

NEW YORK TELEPHONE CO **CT MANIFEST** **S109786212**
BERRY ST AND SOUTH 6TH **N/A**
BROOKLYN, NY 11211

Site 3 of 5 in cluster J

CT MANIFEST:

Waste:

Manifest No:	CTF0275773
Waste Occurence:	1
UNNA:	3077
Hazard Class:	9
US Dot Description:	HAZARDOUS WASTE SOLID, NOS
No of Containers:	001
Container Type:	DT
Quantity:	3
Weight/Volume:	Y
Additional Description:	Y
Handling Code:	S01
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTF0275773
Waste Occurence:	1
EPA Waste Code:	D008
Recycled Waste?:	F
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Detail:

Year:	1994
Manifest ID:	CTF0275773
TSDF EPA ID:	CTD000604488
TSDF Name:	CLEAN HARBORS OF CONNECTICUT, INC.
TSDF Address:	51 BRODERICK RD
TSDF City,St,Zip:	BRISTOL, CT 06010
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	1/17/1994
Transporter EPA ID:	MAD039322250
Transporter Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	Not reported

NEW YORK TELEPHONE CO (Continued) **S109786212**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYP000912899
Generator Phone:	2123958544
Generator Mailing Addr:	BERRY ST AND SOUTH 6TH
Generator Mailing Town:	BROOKLYN
Generator Mailing State:	NY
Generator Mailing Zip:	11211
Generator Mailing Country:	USA
Special Handling:	Yes
Discrepancies:	Yes
Date Shipped:	1/17/1994
Date Received:	1/19/1994
Last modified date:	4/26/2004
Last modified by:	IG
Comments:	Not reported

J53 **NYNEX** **NY MANIFEST** **1009233274**
SSW **BERRY ST & S 6TH** **N/A**
< 1/8 **BROOKLYN, NY**
0.091 mi.
481 ft. **Site 4 of 5 in cluster J**

Relative:
Lower

Actual:
40 ft.

NY MANIFEST:

EPA ID:	NYP000912899
Country:	USA
Mailing Name:	NYNEX
Mailing Contact:	R DEPASO
Mailing Address:	1095 AVE OF AMER
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10036
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-395-8544

Document ID:	CTF0275773
Manifest Status:	Completed copy
Trans1 State ID:	XW5101NJ
Trans2 State ID:	Not reported
Generator Ship Date:	940117
Trans1 Recv Date:	940117
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940119
Part A Recv Date:	940523
Part B Recv Date:	940128
Generator EPA ID:	NYP000912899
Trans1 EPA ID:	MAD039322250
Trans2 EPA ID:	Not reported
TSDF ID:	CTD000604488
Waste Code:	D008 - LEAD 5.0 MG/L TCLP

NYNEX (Continued) **1009233274**

Quantity:	00003
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	94

K54 **50 SOUTH 4TH STREET** **NY UST** **U000407890**
NW **50 S 4TH ST** **NY HIST UST** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.091 mi.
483 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
35 ft.

UST:

Id/Status:	2-309427 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587364.69692000002
UTM Y:	4507381.7834799998

Affiliation Records:

Site Id:	14104
Affiliation Type:	Facility Owner
Company Name:	386-394 WYTHE LLC., C/O T. BONNET
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	72 CARMINE STREET - #10
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 620-4112
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14104
Affiliation Type:	Mail Contact
Company Name:	BONNET REAL ESTATE
Contact Type:	Not reported
Contact Name:	T. BONNET
Address1:	72 CARMINE STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 620-4112
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

50 SOUTH 4TH STREET (Continued) **U000407890**

Site Id:	14104
Affiliation Type:	On-Site Operator
Company Name:	50 SOUTH 4TH STREET
Contact Type:	Not reported
Contact Name:	SCHWARTZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-8307
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14104
Affiliation Type:	Emergency Contact
Company Name:	386-394 WYTHE LLC., C/O T. BONNET
Contact Type:	Not reported
Contact Name:	T. BONNET
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 620-4112
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	28132
Tank Status:	Closed - Removed
Capacity Gallons:	5000
Install Date:	Not reported
Date Tank Closed:	12/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	03
Date Test:	03/01/1988
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B00 - Tank External Protection - None

50 SOUTH 4TH STREET (Continued) **U000407890**

D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None

HIST UST:

PBS Number:	2-309427
SPDES Number:	Not reported
Emergency Contact:	T. BONNET
Emergency Telephone:	(212) 620-4112
Operator:	SCHWARTZ
Operator Telephone:	(718) 387-8307
Owner Name:	386-394 WYTHE LLC., C/O T. BONNET
Owner Address:	72 CARMINE STREET - #10
Owner City,St,Zip:	NEW YORK, NY 10014
Owner Telephone:	(212) 620-4112
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	BONNET REAL ESTATE
Mailing Address:	72 CARMINE STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10014
Mailing Contact:	T. BONNET
Mailing Telephone:	(212) 620-4112
Owner Mark:	Second Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	50 S 4TH ST
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	07/01/2004
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND

50 SOUTH 4TH STREET (Continued) **U000407890**

Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Gravity
Date Tested:	03/01/1988
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

J55 **LOT 1,TAXBLOCK 2471** **NY E DESIGNATION** **S108078479**
SSW **80 SOUTH 6 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.092 mi.
486 ft. **Site 5 of 5 in cluster J**

Relative:
Lower

Actual:
40 ft.

E DESIGNATION:

Tax Lot(s):	1
E-No:	E-82
Effective Date:	3/18/1998
Satisfaction Date:	Not reported
Ceqr Number:	98DCP012K
Ulurp Number:	980077 ZMK
Zoning Map No:	12d
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1013
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	C4-3
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-3
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G7

LOT 1,TAXBLOCK 2471 (Continued) **S108078479**

Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	M & B OF MONROE INC
Lot Area:	000000950
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0021.83
Lot Depth:	0073.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000008235
Total Assessed Value:	00000008235
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	03.40
Borough Code:	3
Borough Tax Block And Lot:	3024710001
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993881
Y Coordinate:	0198232
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30806
E Designation No:	E-82
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

56
SE
< 1/8
0.093 mi.
492 ft.

S 5ST/BEDFORD AV
BROOKLYN, NY

NY Spills **S104650106**
N/A

Relative:
Higher

Actual:
49 ft.

SPILLS:

Facility ID:	9911530
DER Facility ID:	127271
Facility Type:	ER
Site ID:	149652
DEC Region:	2
Spill Date:	1/4/2000
Spill Number/Closed Date:	9911530 / 2/1/2000
Spill Cause:	Traffic Accident
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SACCACIO
Referred To:	Not reported
Reported to Dept:	1/4/2000
CID:	297
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/4/2000
Spill Record Last Update:	2/1/2000
Spiller Name:	Not reported
Spiller Company:	CHARLES DEZINO
Spiller Address:	161-43 88TH ST
Spiller City,St,Zip:	HOWARD, NY
Spiller Company:	001
Contact Name:	FF HOWE
Contact Phone:	(917) 769-0485
DEC Memo:	Not reported
Remarks:	A TRACTOR TRAILER FLIPPED OVER BY THE ENTRANCE TO THE WILLIAMSBURG BRIDGE SPILLING FUEL ONTO THE GROUND - FDNY HAZ-MAT CALLED FOR MITIGATION AND SPILL HAS BEEN CONTAINED

Material:

Site ID:	149652
Operable Unit ID:	1090217
Operable Unit:	01
Material ID:	296987
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

(Continued) **S104650106**

Tank Test:

L57 **124 SOUTH 3RD STREET** **NY AST** **U003394664**
ENE **124 SOUTH 3RD STREET** **NY HIST AST** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.096 mi.
505 ft. **Site 1 of 4 in cluster L**

Relative:
Higher

Actual:
51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-467103
Program Type:	PBS
UTM X:	587632.08820999996
UTM Y:	4507356.8491200004
Expiration Date:	1994/02/15

Affiliation Records:

Site Id:	20302
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING PRESERV & DEVEL
Contact Type:	Not reported
Contact Name:	LEE KERBEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 636-3015
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20302
Affiliation Type:	On-Site Operator
Company Name:	124 SOUTH 3RD STREET
Contact Type:	Not reported
Contact Name:	NYC HOUSING PRESERV & DEVEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 806-8565
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20302
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING PRESERV & DEVEL
Contact Type:	Not reported

124 SOUTH 3RD STREET (Continued) **U003394664**

Contact Name:	Not reported
Address1:	2089-2091 ARTHUR AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10457
Country Code:	001
Phone:	(718) 295-2178
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/19/2012

Site Id:	20302
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING PRESERV & DEVEL
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	2089-2091 ARTHUR AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10457
Country Code:	001
Phone:	(718) 295-2178
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/19/2012

Tank Info:

Tank Number:	001
Tank Id:	36979
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	H00 - Tank Leak Detection - None
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J02 - Dispenser - Suction Dispenser
	L09 - Piping Leak Detection - Exempt Suction Piping
	B00 - Tank External Protection - None
	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	I04 - Overfill - Product Level Gauge (A/G)
	G03 - Tank Secondary Containment - Vault (w/o access)
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported

124 SOUTH 3RD STREET (Continued) **U003394664**

Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-467103
SWIS Code:	6101
Operator:	NYC HOUSING PRESERV & DEVEL
Facility Phone:	(212) 806-8565
Facility Addr2:	124 SOUTH 3RD STREET
Facility Type:	Not reported
Emergency:	LEE KERBEL
Emergency Tel:	(718) 636-3015
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYC HOUSING PRESERV & DEVEL
Owner Address:	75 MAIDEN LANE
Owner City,St,Zip:	NEW YORK, NY 10038
Federal ID:	Not reported
Owner Tel:	(212) 806-8565
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	NYC HOUSING PRESERV & DEVEL
Mailing Address:	75 MAIDEN LANE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10038
Mailing Telephone:	(212) 806-8565
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	02/15/1989
Expiration:	02/15/1994
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported

124 SOUTH 3RD STREET (Continued) **U003394664**

Capacity (Gal):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

M58 **NYCT - BROADWAY & S 6TH ST SUBSTATION** **RCRA-SQG** **1012186511**
SW **70 S 6TH ST** **NYR000163725**
< 1/8 **BROOKLYN, NY 11211**
0.096 mi.
508 ft. **Site 1 of 2 in cluster M**

Relative:
Lower

Actual:
37 ft.

RCRA-SQG:

Date form received by agency:	03/11/2009
Facility name:	NYCT - BROADWAY & S 6TH ST SUBSTATION
Facility address:	70 S 6TH ST BROOKLYN, NY 11211
EPA ID:	NYR000163725
Mailing address:	BROADWAY ROOM A27.63 NEW YORK, NY 10004
Contact:	SHERRY L BULKLEY
Contact address:	BROADWAY ROOM A27.63 NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-5774
Contact email:	SHERRY.BULKLEY@NYCT.COM
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NEW YORK CITY TRANSIT
Owner/operator address:	BROADWAY ROOM A27.63 NEW YORK, NY 10004
Owner/operator country:	US
Owner/operator telephone:	Not reported

NYCT - BROADWAY & S 6TH ST SUBSTATION (Continued) **1012186511**

Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	12/01/1963
Owner/Op end date:	Not reported
Owner/operator name:	NEW YORK CITY TRANSIT
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	12/01/1963
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	B004
Waste name:	B004
Waste code:	B007
Waste name:	B007
Violation Status:	No violations found

M59 **EDR US Hist Auto Stat** **1015596031**
SW **67 S 6TH ST** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.097 mi.
514 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
37 ft.

EDR Historical Auto Stations:

Name:	VINCES AUTO REPRS
Year:	1999
Address:	67 S 6TH ST
Name:	VINCES AUTO REPRS
Year:	2000
Address:	67 S 6TH ST
Name:	VINCES AUTO REPAIRS
Year:	2001

(Continued) **1015596031**

Address: 67 S 6TH ST

Name: VINCES AUTO REPAIRS
Year: 2002
Address: 67 S 6TH ST

Name: VINCES AUTO REPAIRS
Year: 2003
Address: 67 S 6TH ST

Name: VINCES AUTO REPAIRS
Year: 2004
Address: 67 S 6TH ST

Name: VINCES AUTO REPAIRS
Year: 2005
Address: 67 S 6TH ST

Name: VINCES AUTO REPAIRS
Year: 2006
Address: 67 S 6TH ST

Name: VINCES AUTO REPAIRS
Year: 2007
Address: 67 S 6TH ST

Name: VINCENT AUTO REPAIRS
Year: 2008
Address: 67 S 6TH ST

Name: VINCENT AUTO REPAIRS
Year: 2009
Address: 67 S 6TH ST

L60 **APT. BUILDING** **NY Spills** **S108763660**
East **352 BEDFORD AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.100 mi.
528 ft. **Site 2 of 4 in cluster L**

Relative:
Higher

Actual:
51 ft.

SPILLS:

Facility ID:	0705486
DER Facility ID:	335191
Facility Type:	ER
Site ID:	385808
DEC Region:	2
Spill Date:	8/13/2007
Spill Number/Closed Date:	0705486 / 8/15/2007
Spill Cause:	Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	rmpiper
Referred To:	Not reported
Reported to Dept:	8/13/2007
CID:	408
Water Affected:	Not reported

APT. BUILDING (Continued) **S108763660**

Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/13/2007
Spill Record Last Update:	8/15/2007
Spiller Name:	JERRY CASALDUC
Spiller Company:	METRO FUEL OIL CORP
Spiller Address:	500 KINGSLAND RD
Spiller City,St,Zip:	BROOKLYN, NY 11222
Spiller Company:	001
Contact Name:	JERRY CASALDUC
Contact Phone:	(646) 208-7460
DEC Memo:	dec pIPER RECIEVED CALL OFF HOURS.Caller reported 4 gallons and stated he has a crew onsite. A MISDELIVERY OF 100 gal led to a 4 gallon overfill from vent at sidewalk and gauge of tank in basement. Piper determined that a visit was necessary due to the misdelivery and a crew is not needed to clean 4 gallons. Piper arrived on site and obsreved 4 techs cleaning sidewalk. Basement was cleaned. It is estimated that approx 15-20 gallons was spilled. Piper spole w/ Metro the next day. Cleanup has been completed. Closed.
Remarks:	WRONG DELIVERY; CLEAN UP IN PROGRESS;

Material:

Site ID:	385808
Operable Unit ID:	1143069
Operable Unit:	01
Material ID:	2133325
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

L61 **339-41 BEDFORD AVENUE** **NY AST** **U003394653**
East **339-41 BEDFORD AVENUE** **NY HIST AST** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.102 mi.
537 ft. **Site 3 of 4 in cluster L**

Relative:
Higher

Actual:
51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-466972
Program Type:	PBS
UTM X:	587650.88136999996

339-41 BEDFORD AVENUE (Continued) **U003394653**

UTM Y: 4507323.7288600001
Expiration Date: 2008/04/01

Affiliation Records:

Site Id: 20290
Affiliation Type: Facility Owner
Company Name: LA BORIQUENA HDFC
Contact Type: Not reported
Contact Name: Not reported
Address1: 339 BEDFORD AVENUE #21
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 782-1132
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 20290
Affiliation Type: Mail Contact
Company Name: LA BORINQUENA HDFC
Contact Type: Not reported
Contact Name: Not reported
Address1: 339 BEDFORD AVENUE
Address2: APT. 21
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 782-1132
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 20290
Affiliation Type: On-Site Operator
Company Name: LA BORINQUENA HDFC
Contact Type: Not reported
Contact Name: LUCY MORCELO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 782-1132
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 20290
Affiliation Type: Emergency Contact
Company Name: LA BORIQUENA HDFC

339-41 BEDFORD AVENUE (Continued) **U003394653**

Contact Type:	Not reported
Contact Name:	LILIAN FIGUEROA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-2150
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	36967
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
	I05 - Overfill - Vent Whistle
	F00 - Pipe External Protection - None
	B00 - Tank External Protection - None
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J02 - Dispenser - Suction Dispenser
	L09 - Piping Leak Detection - Exempt Suction Piping
	G03 - Tank Secondary Containment - Vault (w/o access)
	C01 - Pipe Location - Aboveground
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-466972
SWIS Code:	6101
Operator:	NYC HOUSING PRESERV & DEVEL
Facility Phone:	(212) 806-8565
Facility Addr2:	339 BEDFORD AVENUE
Facility Type:	Not reported
Emergency:	LEE KERBEL
Emergency Tel:	(718) 636-3015
Old PBSNO:	Not reported

339-41 BEDFORD AVENUE (Continued) **U003394653**

Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYC HOUSING PRESERV & DEVEL
Owner Address:	75 MAIDEN LANE
Owner City,St,Zip:	NEW YORK, NY 10038
Federal ID:	Not reported
Owner Tel:	(212) 806-8565
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	NYC HOUSING PRESERV & DEVEL
Mailing Address:	75 MAIDEN LANE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10038
Mailing Telephone:	(212) 806-8565
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	02/15/1989
Expiration:	02/15/1994
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing

339-41 BEDFORD AVENUE (Continued) **U003394653**

Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

N62 **S PETER & PAUL ELEM SCHOOL RC** **NY AST** **U003390300**
NNE **288 BERRY ST** **NY HIST AST** **N/A**
< 1/8 **BKLYN, NY 11211**
0.103 mi.
542 ft. **Site 1 of 2 in cluster N**

Relative:
Higher

Actual:
50 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-212679
Program Type:	PBS
UTM X:	587554.49364999996
UTM Y:	4507456.00031
Expiration Date:	2007/08/24

Affiliation Records:

Site Id:	7813
Affiliation Type:	Facility Owner
Company Name:	RC. DIOCESE OF BROOKLYN
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	75 GREEN AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11202
Country Code:	001
Phone:	(718) 638-5500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	12/14/2004

Site Id:	7813
Affiliation Type:	Mail Contact
Company Name:	55 PETER & PAUL CHURCH
Contact Type:	Not reported
Contact Name:	MSGR AGUSTIN RUIZ
Address1:	71 SOUTH 3RD ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 388-9576
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	12/14/2004

S PETER & PAUL ELEM SCHOOL RC (Continued) **U003390300**

Site Id:	7813
Affiliation Type:	On-Site Operator
Company Name:	S PETER & PAUL ELEM SCHOOL RC
Contact Type:	Not reported
Contact Name:	PRINCIPAL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-1041
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	7813
Affiliation Type:	Emergency Contact
Company Name:	RC. DIOCESE OF BKLYN
Contact Type:	Not reported
Contact Name:	PRINCIPAL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-4967
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	18782
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
H04 - Tank Leak Detection - Groundwater Well

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

S PETER & PAUL ELEM SCHOOL RC (Continued) **U003390300**

Install Date:	Not reported
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-212679
SWIS Code:	6101
Operator:	PRINCIPAL
Facility Phone:	(718) 387-1041
Facility Addr2:	288 BERRY ST
Facility Type:	Not reported
Emergency:	PRINCIPAL
Emergency Tel:	(718) 387-4967
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	RC. DIOCESE OF BKLYN
Owner Address:	75 GREEN AVENUE
Owner City,St,Zip:	BKLYN, NY 11202
Federal ID:	Not reported
Owner Tel:	(718) 638-5500
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	MSGR AGUSTIN RUIZ
Mailing Name:	55 PETER & PAUL CHURCH
Mailing Address:	71 SOUTH 3RD ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BKLYN, NY 11211
Mailing Telephone:	(718) 388-9576
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/29/1997
Expiration:	08/24/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

S PETER & PAUL ELEM SCHOOL RC (Continued) **U003390300**

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	3
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

O63 **LOT 31,TAXBLOCK 2415** **NY E DESIGNATION** **S111072815**
NNW **53 SOUTH 3 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.103 mi.
543 ft. **Site 1 of 4 in cluster O**

Relative:
Lower

Actual:
38 ft.

E DESIGNATION:

Tax Lot(s):	31
E-No:	E-261
Effective Date:	3/23/2011
Satisfaction Date:	Not reported
Ceqr Number:	07DCP035K
Ulurp Number:	070245ZMK
Zoning Map No:	12c
Description:	Air Quality - HVAC fuel limited to natural gas
Borough Code:	BK
Community District:	301
Census Tract:	551
Census Block:	3002
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M3-1
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	M3-1

LOT 31,TAXBLOCK 2415 (Continued) **S111072815**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G7
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	B J R REALTY CORP
Lot Area:	000001900
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0025.00
Lot Depth:	0076.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000012825
Total Assessed Value:	00000012825
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3024150031
Condominium Number:	00000
Census Tract 2:	0551
X Coordinate:	0993792
Y Coordinate:	0199300
Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 31,TAXBLOCK 2415 (Continued) **S111072815**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

P64 West < 1/8 0.107 mi. 566 ft. | **NYCDOT - WILLIAMSBURG BRIDGE** | **RCRA-LQG** | **1001223636**
WILLIAMSBURG BRIDGE | **FINDS** | **NYR000048512**
BROOKLYN, NY 11211 | **NJ MANIFEST**
NY MANIFEST

Site 1 of 2 in cluster P

Relative: Lower

Actual: 29 ft.

RCRA-LQG:

Date form received by agency:	03/09/2010
Facility name:	NYCDOT - WILLIAMSBURG BRIDGE
Facility address:	WILLIAMSBURG BRIDGE BROOKLYN, NY 11211
EPA ID:	NYR000048512
Mailing address:	SOUTH 2ND STREET 3 FLOOR BROOKLYN, NY 11211
Contact:	VERGHESE MENACHERY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(718) 388-1913
Contact email:	VMENACHERY@DOT.NYC.GOV
EPA Region:	02
Land type:	Municipal
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	NYCDOT
Owner/operator address:	2 RECTOR ST NEW YORK, NY 10006
Owner/operator country:	Not reported
Owner/operator telephone:	(212) 788-1814
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NYC - DEPT OF TRANSPORTATION
Owner/operator address:	WATER STREET 5 FLOOR NEW YORK, NY 10041
Owner/operator country:	US
Owner/operator telephone:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1903
Owner/Op end date: Not reported

Owner/operator name: NYC - DEPT OF TRANSPORTATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1903
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/22/2008
Facility name: NYCDOT - WILLIAMSBURG BRIDGE
Site name: NYC - DEPT OF TRANSPORTATION
Classification: Large Quantity Generator

Date form received by agency: 01/01/2007
Facility name: NYCDOT - WILLIAMSBURG BRIDGE
Site name: NEW YORK CITY - DEPT OF TRANSPORTATION
Classification: Large Quantity Generator

Date form received by agency: 02/17/2006
Facility name: NYCDOT - WILLIAMSBURG BRIDGE
Site name: NEW YORK CITY - DEPT OF TRANSPORTATION
Classification: Large Quantity Generator

Date form received by agency: 02/16/2006
Facility name: NYCDOT - WILLIAMSBURG BRIDGE
Site name: NEW YORK CITY - DEPT OF TRANSPORTATION
Classification: Large Quantity Generator

Date form received by agency: 02/24/2004
Facility name: NYCDOT - WILLIAMSBURG BRIDGE
Site name: NYCDOT WILLIAMSBURG BRIDGE

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Classification: Large Quantity Generator

Date form received by agency: 01/01/2001
Facility name: NYCDOT - WILLIAMSBURG BRIDGE
Site name: NEW YORK CITY-DEPARTMENT OF TRANS
Classification: Large Quantity Generator

Date form received by agency: 07/14/1999
Facility name: NYCDOT - WILLIAMSBURG BRIDGE
Site name: NYCDOT CONTRACT BRC253BB
Classification: Small Quantity Generator

Date form received by agency: 01/06/1998
Facility name: NYCDOT - WILLIAMSBURG BRIDGE
Site name: NYCDOT CONTRACT BRC253BB
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Waste code: D000
Waste name: Not Defined

Waste code: D008
Waste name: LEAD

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 07/19/2000
Date achieved compliance: 10/16/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/21/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/01/2000
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 10/16/2000
Evaluation lead agency: State

FINDS:

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Registry ID: 110004539385

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

NJ MANIFEST:

Manifest Code:	000195122WAS
EPA ID:	NYR000048512
Date Shipped:	09/23/2009
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/23/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/23/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	800
Unit:	P
Hand Code:	H111

Manifest Code:	000199612WAS
EPA ID:	NYR000048512
Date Shipped:	03/10/2010
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/10/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/10/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	2000
Unit:	P
Hand Code:	H111

Manifest Code:	000423370WAS
EPA ID:	NYR000048512
Date Shipped:	4/27/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	NYC DOT-WILLIAMSBURG BRIDGE
Transporter-1 EPA Facility Name:	PRICE TRUCKING CORP
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	4/27/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	4/27/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	300.00
Unit:	Pounds
Hand Code:	H111
Waste Code:	F003
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	55.00
Unit:	gallons
Hand Code:	H061

Manifest Code:	NJA5286958
EPA ID:	NYR000048512
Date Shipped:	02/23/2006
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/23/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/23/2006
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04170621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5319595
EPA ID:	NYR000048512
Date Shipped:	05/08/2006
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/08/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/08/2006
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	06270621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5319729
EPA ID:	NYR000048512
Date Shipped:	06/28/2006
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/28/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/28/2006
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08220622
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	000067558WAS
EPA ID:	NYR000048512
Date Shipped:	03/15/2007
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/15/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/16/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	3200
Unit:	P
Hand Code:	H11

Manifest Code:	000423503WAS
EPA ID:	NYR000048512
Date Shipped:	6/10/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	NYC DOT-WILLIAMSBURG BRIDGE
Transporter-1 EPA Facility Name:	PRICE TRUCKING CORP
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	6/10/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	6/10/2011
Manifest Discrepancy Type:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	100.00
Unit:	Pounds
Hand Code:	H111

Manifest Code:	000069508WAS
EPA ID:	NYR000048512
Date Shipped:	08/28/2007
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/28/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/28/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	3000
Unit:	P
Hand Code:	H11

Manifest Code:	NJA5006717
EPA ID:	NYR000048512
Date Shipped:	01/14/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/14/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/14/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03050421
Reference Manifest Number:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5006897
EPA ID:	NYR000048512
Date Shipped:	02/25/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/25/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/25/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03290422
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5104606
EPA ID:	NYR000048512
Date Shipped:	04/08/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	04/08/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/08/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	05030425
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5104795
EPA ID:	NYR000048512
Date Shipped:	05/26/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/26/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/26/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	06150421
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5025175
EPA ID:	NYR000048512
Date Shipped:	07/07/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/07/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/07/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08200421
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5028165
EPA ID:	NYR000048512
Date Shipped:	09/09/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/09/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/09/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	10150422
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	NJA5202528
EPA ID:	NYR000048512
Date Shipped:	10/19/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/19/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/19/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	12030425
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Hand Code:	Not reported

Manifest Code:	NJA5222839
EPA ID:	NYR000048512
Date Shipped:	12/06/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	12/06/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	12/06/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	01200522
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Manifest Code:	000069866WAS
EPA ID:	NYR000048512
Date Shipped:	01/04/2008
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/04/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/04/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	1200
Unit:	P
Hand Code:	H111

Manifest Code:	000069959WAS

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

EPA ID:	NYR000048512
Date Shipped:	03/06/2008
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/06/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/06/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	250
Unit:	P
Hand Code:	H111

Manifest Code:	000070207WAS
EPA ID:	NYR000048512

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Date Shipped:	07/25/2008
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/25/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/25/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	3000
Unit:	P
Hand Code:	H111

NY MANIFEST:

EPA ID:	NYR000048512
Country:	USA

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Mailing Name:	NYCDOT - WILLIAMSBURG BRIDGE
Mailing Contact:	JOHN KURRE
Mailing Address:	49 S 2ND ST 3RD FL
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-788-2083

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	3/15/2007
Trans1 Recv Date:	3/15/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	3/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	3200
Units:	P - Pounds
Number of Containers:	8
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000067558WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	5/22/2007
Trans1 Recv Date:	5/22/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	5/22/2007
Part A Recv Date:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	4900
Units:	P - Pounds
Number of Containers:	7
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000067896WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	8/28/2007
Trans1 Recv Date:	8/28/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	8/28/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	3000
Units:	P - Pounds
Number of Containers:	5
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000069508WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	10/26/2007
Trans1 Recv Date:	10/26/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/26/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	3500
Units:	P - Pounds
Number of Containers:	7
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000069685WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	NYG1006128
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	03/17/1999
Trans1 Recv Date:	03/17/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/22/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYPP5193
Waste Code:	D008 - LEAD 5.0 MG/L TCLP

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Quantity:	14550
Units:	P - Pounds
Number of Containers:	034
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1000242
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	07/14/1999
Trans1 Recv Date:	07/14/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/15/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	16000
Units:	P - Pounds
Number of Containers:	031
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1000449
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	07/22/1999
Trans1 Recv Date:	07/22/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/23/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	17000
Units:	P - Pounds
Number of Containers:	038
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Document ID:	NYG1001115
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	08/06/1999
Trans1 Recv Date:	08/06/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/06/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1019NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	16500
Units:	P - Pounds
Number of Containers:	033
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1008981
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	06/07/1999
Trans1 Recv Date:	06/07/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/11/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	17000
Units:	P - Pounds
Number of Containers:	033
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1004787
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	02/12/1999
Trans1 Recv Date:	02/12/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/19/1999
Part A Recv Date:	Not reported

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	14000
Units:	P - Pounds
Number of Containers:	028
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1004895
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	02/10/1999
Trans1 Recv Date:	02/10/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/12/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	06400
Units:	P - Pounds
Number of Containers:	016
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1007271
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	04/14/1999
Trans1 Recv Date:	04/14/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/15/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	17000
Units:	P - Pounds
Number of Containers:	034

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1006749
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	03/31/1999
Trans1 Recv Date:	03/31/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/07/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	15000
Units:	P - Pounds
Number of Containers:	030
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1009134
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	05/19/1999
Trans1 Recv Date:	05/19/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/20/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	29000
Units:	P - Pounds
Number of Containers:	042
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1009143
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Trans2 State ID:	Not reported
Generator Ship Date:	05/21/1999
Trans1 Recv Date:	05/21/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/25/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	30000
Units:	P - Pounds
Number of Containers:	050
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1008693
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	05/06/1999
Trans1 Recv Date:	05/06/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/07/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PP5193NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	16500
Units:	P - Pounds
Number of Containers:	033
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1010187
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	06/14/1999
Trans1 Recv Date:	06/14/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/16/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	20000
Units:	P - Pounds
Number of Containers:	040
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1010196
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	06/14/1999
Trans1 Recv Date:	06/14/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/16/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	14000
Units:	P - Pounds
Number of Containers:	028
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG1009557
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	05/27/1999
Trans1 Recv Date:	05/27/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/01/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048512
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	16225
Units:	P - Pounds
Number of Containers:	029
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00

NYCDOT - WILLIAMSBURG BRIDGE (Continued) **1001223636**

Year: 99

Document ID: NYG1009593
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 05/28/1999
Trans1 Recv Date: 05/28/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/01/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000048512
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: 3PA1011NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 18000
Units: P - Pounds
Number of Containers: 036
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 99

Click this hyperlink while viewing on your computer to access
216 additional NY_MANIFEST: record(s) in the EDR Site Report.

Q65 **EDR US Hist Auto Stat** **1015217440**
ESE **139 S 4TH ST** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.109 mi.
573 ft. **Site 1 of 2 in cluster Q**

Relative:
Higher

Actual:
51 ft.

EDR Historical Auto Stations:
Name: AA AUTO REPAIR & TOWING INC
Year: 2011
Address: 139 S 4TH ST

Name: AA AUTO REPAIR & TOWING INC
Year: 2012
Address: 139 S 4TH ST

L66 **VS 3862** **NY Spills** **S104283152**
ENE **SO 3RD ST/ BEDFORD AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
578 ft. **Site 4 of 4 in cluster L**

Relative:
Higher

Actual:
52 ft.

SPILLS:
Facility ID: 9908695
DER Facility ID: 208714
Facility Type: ER
Site ID: 254814
DEC Region: 2

VS 3862 (Continued) **S104283152**

Spill Date:	10/18/1999
Spill Number/Closed Date:	9908695 / 2/22/2002
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	COMENALE
Referred To:	Not reported
Reported to Dept:	10/18/1999
CID:	382
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/18/1999
Spill Record Last Update:	2/22/2002
Spiller Name:	CALLER
Spiller Company:	CON ED
Spiller Address:	4 IRVING PL
Spiller City,St,Zip:	MANHATTAN, NY 10003-
Spiller Company:	001
Contact Name:	STEVEN CRIBBIN
Contact Phone:	(212) 580-8576
DEC Memo:	Not reported
Remarks:	3 gals leaked from fin onto dirt. contained. clean up pending lab results. con ed 128-498

Material:

Site ID:	254814
Operable Unit ID:	1087363
Operable Unit:	01
Material ID:	297802
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

P67 **LOT 38,TAXBLOCK 2441** **NY E DESIGNATION** **S108076577**
West **45 SOUTH 5 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.111 mi.
585 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
28 ft.

E DESIGNATION:

Tax Lot(s):	38
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1003
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	E9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	RECHOVOT EQUITIES COR
Lot Area:	000007460
Total Building Floor Area:	00000012975
Commercial Floor Area:	00000012975
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000012975
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0075.00
Lot Depth:	0101.33
Building Frontage:	0050.00
Building Depth:	0097.42
Proximity Code:	0
Irregular Lot Code:	N

LOT 38,TAXBLOCK 2441 (Continued) **S108076577**

Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000043785
Total Assessed Value:	00000121050
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1910
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.74
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024410038
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993465
Y Coordinate:	0198835
Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

R68 **CON EDISON** **NY MANIFEST** **S112818161**
WSW **WYTHE AVE & S 6TH ST** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.112 mi.
591 ft. **Site 1 of 5 in cluster R**

Relative:
Lower

Actual:
33 ft.

NY MANIFEST:

EPA ID:	NYP004282380
Country:	USA
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-3770

NY MANIFEST:

No Manifest Records Available

R69
WSW
< 1/8
0.114 mi.
601 ft.

426 WYTHE AVE
BROOKLYN, NY 11211

Site 2 of 5 in cluster R

EDR US Hist Auto Stat **1015490034**
N/A

Relative:
Lower

Actual:
33 ft.

EDR Historical Auto Stations:

Name:	IS AUTO GROUP LLC
Year:	2005
Address:	426 WYTHE AVE

R70
WSW
< 1/8
0.114 mi.
601 ft.

LOT 16,TAXBLOCK 2469
426 WYTHE AVENUE
BROOKLYN, NY 11211

Site 3 of 5 in cluster R

NY SWF/LF **S108078492**
NY E DESIGNATION **N/A**

Relative:
Lower

Actual:
33 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Vehicle Dismantling
Activity Number:	Not reported
Active:	No
East Coordinate:	587509
North Coordinate:	4507104
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported

E DESIGNATION:

Tax Lot(s):	16
E-No:	E-82
Effective Date:	3/18/1998
Satisfaction Date:	Not reported
Ceqr Number:	98DCP012K
Ulurp Number:	980077 ZMK
Zoning Map No:	12d
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1007

LOT 16,TAXBLOCK 2469 (Continued) **S108078492**

School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	C4-3
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-3
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	426 WYTHE AVECORP
Lot Area:	000003634
Total Building Floor Area:	00000003440
Commercial Floor Area:	00000003440
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000003440
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0043.00
Lot Depth:	0084.50
Building Frontage:	0043.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000022815
Total Assessed Value:	00000046350
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1900
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.95
Maximum Allowable Far:	03.40
Borough Code:	3
Borough Tax Block And Lot:	3024690016
Condominium Number:	00000
Census Tract 2:	0549

LOT 16,TAXBLOCK 2469 (Continued) **S108078492**

X Coordinate:	0993472
Y Coordinate:	0198396
Zoning Map:	12D
Sanborn Map:	303 006
Tax Map:	30806
E Designation No:	E-82
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

71
WNW
< 1/8
0.115 mi.
608 ft.

LOT 12,TAXBLOCK 2441
34 SOUTH 4 STREET
BROOKLYN, NY 11211

NY E DESIGNATION **S108076242**
N/A

Relative:
Lower

Actual:
28 ft.

E DESIGNATION:

Tax Lot(s):	12
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1003
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	E3
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	34 SOUTH 4 LLC
Lot Area:	000008921
Total Building Floor Area:	00000009500
Commercial Floor Area:	00000009500

LOT 12,TAXBLOCK 2441 (Continued) **S108076242**

Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000009500
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0065.00
Lot Depth:	0137.25
Building Frontage:	0065.00
Building Depth:	0137.30
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000052650
Total Assessed Value:	00000157050
Land Exempt Value:	00000000000
Total Exempt Value:	00000104400
Year Built:	1996
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.06
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024410012
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993394
Y Coordinate:	0198998
Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

S72
SE
< 1/8
0.117 mi.
618 ft.

LOT 11,TAXBLOCK 2444
141 SOUTH 5 STREET
BROOKLYN, NY 11211

Site 1 of 2 in cluster S

NY E DESIGNATION **S108469758**
N/A

Relative:
Higher

Actual:
49 ft.

E DESIGNATION:

Tax Lot(s):	11
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1000
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	C7
Land Use Category:	04
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	141 SOUTH 5TH LLC
Lot Area:	000025300
Total Building Floor Area:	00000038792
Commercial Floor Area:	00000008400
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000008400
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00004
Number of Floors:	004.00
Residential Units:	00017
Non and Residential Units:	00019
Lot Frontage:	0046.00
Lot Depth:	0196.92
Building Frontage:	0043.00
Building Depth:	0144.00
Proximity Code:	0
Irregular Lot Code:	Y

LOT 11,TAXBLOCK 2444 (Continued) **S108469758**

Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000149850
Total Assessed Value:	00000390150
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1900
Year Built Code:	E
Year Altered1:	1998
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.53
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024440011
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0994698
Y Coordinate:	0198476
Zoning Map:	12D
Sanborn Map:	303 013
Tax Map:	30806
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

S73 **141-155 SOUTH 5TH STREET** **NY Spills** **S104496030**
SE **141-155 SOUTH 5TH STREET** **N/A**
< 1/8 **BROOKLYN, NY**
0.117 mi.
618 ft. **Site 2 of 2 in cluster S**

Relative:
Higher

Actual:
49 ft.

SPILLS:

Facility ID:	9501027
DER Facility ID:	167484
Facility Type:	ER
Site ID:	201308
DEC Region:	2
Spill Date:	4/25/1995
Spill Number/Closed Date:	9501027 / 4/25/1995
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/25/1995
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station

141-155 SOUTH 5TH STREET (Continued) **S104496030**

Spill Notifier:	Citizen
Cleanup Ceased:	4/25/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/16/1995
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	AUTO REPAIR SHOP DUMPING OIL & GAS IN FIRE DRAINS

Material:

Site ID:	201308
Operable Unit ID:	1015144
Operable Unit:	01
Material ID:	369639
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

O74 **LOT 32,TAXBLOCK 2415** **NY E DESIGNATION** **S111072822**
NW **45 SOUTH 3 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.118 mi.
622 ft. **Site 2 of 4 in cluster O**

Relative:
Lower

Actual:
33 ft.

E DESIGNATION:

Tax Lot(s):	32
E-No:	E-261
Effective Date:	3/23/2011
Satisfaction Date:	Not reported
Ceqr Number:	07DCP035K
Ulurp Number:	070245ZMK
Zoning Map No:	12c
Description:	Air Quality - HVAC fuel limited to natural gas
Borough Code:	BK
Community District:	301
Census Tract:	551
Census Block:	3002
School District:	14
City Council District:	33

LOT 32,TAXBLOCK 2415 (Continued) **S111072822**

Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M3-1
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	M3-1
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	BJR RLTY CORP
Lot Area:	000016675
Total Building Floor Area:	00000013200
Commercial Floor Area:	00000013200
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000013200
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0100.00
Lot Depth:	0250.00
Building Frontage:	0100.00
Building Depth:	0210.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000098550
Total Assessed Value:	00000230400
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1952
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.79
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3024150032
Condominium Number:	00000
Census Tract 2:	0551
X Coordinate:	0993741
Y Coordinate:	0199389

LOT 32,TAXBLOCK 2415 (Continued) **S111072822**

Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

O75
NNW
< 1/8
0.118 mi.
624 ft.

Relative:
Lower

Actual:
40 ft.

LOT 30,TAXBLOCK 2415 **NY E DESIGNATION** **S111072808**
360 WYTHE AVENUE **N/A**
BROOKLYN, NY 11211

Site 3 of 4 in cluster O

E DESIGNATION:

Tax Lot(s):	30
E-No:	E-261
Effective Date:	3/23/2011
Satisfaction Date:	Not reported
Ceqr Number:	07DCP035K
Ulurp Number:	070245ZMK
Zoning Map No:	12c
Description:	Air Quality - HVAC fuel limited to natural gas
Borough Code:	BK
Community District:	301
Census Tract:	551
Census Block:	3002
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M3-1
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	M3-1
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	BJR RLTY CORP
Lot Area:	000001856
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000

LOT 30,TAXBLOCK 2415 (Continued) **S111072808**

Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0024.75
Lot Depth:	0075.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000014670
Total Assessed Value:	00000014670
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3024150030
Condominium Number:	00000
Census Tract 2:	0551
X Coordinate:	0993802
Y Coordinate:	0199350
Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

R76 **LOT 15,TAXBLOCK 2469** **NY E DESIGNATION** **S108078491**
WSW **52 SOUTH 6 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.120 mi.
636 ft. **Site 4 of 5 in cluster R**

Relative:
Lower

Actual:
31 ft.

E DESIGNATION:

Tax Lot(s):	15
E-No:	E-82
Effective Date:	3/18/1998
Satisfaction Date:	Not reported
Ceqr Number:	98DCP012K
Ulurp Number:	980077 ZMK
Zoning Map No:	12d
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1007
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	C4-3
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-3
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	C3
Land Use Category:	02
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	LEBLANC, MINNETTE
Lot Area:	000001993
Total Building Floor Area:	00000003289
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00004
Non and Residential Units:	00004
Lot Frontage:	0023.00
Lot Depth:	0086.67
Building Frontage:	0020.00
Building Depth:	0042.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5

LOT 15,TAXBLOCK 2469 (Continued) **S108078491**

Basement Type Grade:	5
Land Assessed Value:	00000001033
Total Assessed Value:	00000013407
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1899
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.65
Maximum Allowable Far:	03.40
Borough Code:	3
Borough Tax Block And Lot:	3024690015
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993450
Y Coordinate:	0198433
Zoning Map:	12D
Sanborn Map:	303 006
Tax Map:	30806
E Designation No:	E-82
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Q77
ESE
< 1/8
0.120 mi.
636 ft.

145 SOUTH 4TH STREET **NY UST** **U000393983**
145 SOUTH 4TH STREET **NY HIST UST** **N/A**
BROOKLYN, NY 11211

Site 2 of 2 in cluster Q

Relative:
Higher

Actual:
51 ft.

UST:

Id/Status:	2-056758 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587680.91521000001
UTM Y:	4507252.4328100001

Affiliation Records:

Site Id:	950
Affiliation Type:	Facility Owner
Company Name:	KVEST LLC, C/O KAMGIRSONS & CO., INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	90 PARK AVENUE, SUITE 1700
Address2:	Not reported
City:	NEW YORK
State:	NY

145 SOUTH 4TH STREET (Continued) **U000393983**

Zip Code:	10016
Country Code:	001
Phone:	(212) 984-1029
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	950
Affiliation Type:	Mail Contact
Company Name:	KAMGIRSONS & CO., INC.
Contact Type:	Not reported
Contact Name:	JIMMY KWONG
Address1:	90 PARK AVENUE, SUITE 1700
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10016
Country Code:	001
Phone:	(212) 984-1029
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	950
Affiliation Type:	On-Site Operator
Company Name:	145 SOUTH 4TH STREET
Contact Type:	Not reported
Contact Name:	ANGEL RIVERA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-2273
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	950
Affiliation Type:	Emergency Contact
Company Name:	KVEST LLC, C/O KAMGIRSONS & CO., INC.
Contact Type:	Not reported
Contact Name:	JIMMY KWONG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 984-1029
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT

145 SOUTH 4TH STREET (Continued) **U000393983**

Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank ID: 1934
Tank Status: Closed - In Place
Capacity Gallons: 2500
Install Date: Not reported
Date Tank Closed: 03/01/1999
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 03
Date Test: 01/01/1994
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

HIST UST:

PBS Number: 2-056758
SPDES Number: Not reported
Emergency Contact: JIMMY KWONG
Emergency Telephone: (212) 984-1029
Operator: ANGEL RIVERA
Operator Telephone: (718) 387-2273
Owner Name: KVEST LLC, C/O KAMGIRSONS & CO., INC.
Owner Address: 90 PARK AVENUE, SUITE 1700
Owner City,St,Zip: NEW YORK, NY 10016
Owner Telephone: (212) 984-1029
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: KAMGIRSONS & CO., INC.
Mailing Address: 90 PARK AVENUE, SUITE 1700
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10016
Mailing Contact: JIMMY KWONG
Mailing Telephone: (212) 984-1029
Owner Mark: Third Owner
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2: 145 SOUTH 4TH STREET

145 SOUTH 4TH STREET (Continued) **U000393983**

SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	03/30/2004
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	2500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	01/01/1994
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1999
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

O78 **LOT 36,TAXBLOCK 2415** **NY E DESIGNATION** **S111072844**
NW **43 SOUTH 3 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.122 mi.
642 ft. **Site 4 of 4 in cluster O**

Relative:
Lower

Actual:
32 ft.

E DESIGNATION:

Tax Lot(s):	36
E-No:	E-261
Effective Date:	3/23/2011
Satisfaction Date:	Not reported
Ceqr Number:	07DCP035K
Ulurp Number:	070245ZMK
Zoning Map No:	12c
Description:	Air Quality - HVAC fuel limited to natural gas
Borough Code:	BK
Community District:	301
Census Tract:	551
Census Block:	3002
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	M3-1
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	M3-1
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	JBJ LLC
Lot Area:	000001500
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0020.00
Lot Depth:	0075.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5

LOT 36,TAXBLOCK 2415 (Continued) **S111072844**

Basement Type Grade:	5
Land Assessed Value:	00000012510
Total Assessed Value:	00000013500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3024150036
Condominium Number:	00000
Census Tract 2:	0551
X Coordinate:	0993677
Y Coordinate:	0199339
Zoning Map:	12D
Sanborn Map:	303 007
Tax Map:	30806
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

79
ENE
< 1/8
0.122 mi.
644 ft.

GEORGE WANAT
327 BEDFORD AVENUE
BROOKLYN, NY 11211

NY AST **U003395785**
NY HIST AST **N/A**

Relative:
Higher

Actual:
52 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600890
Program Type:	PBS
UTM X:	587672.75974999997
UTM Y:	4507368.9057700001
Expiration Date:	2017/09/24

Affiliation Records:

Site Id:	22861
Affiliation Type:	On-Site Operator
Company Name:	GEORGE WANAT
Contact Type:	Not reported
Contact Name:	NONE
Address1:	Not reported
Address2:	Not reported
City:	Not reported

GEORGE WANAT (Continued) **U003395785**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 963-3650
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 22861
Affiliation Type: Emergency Contact
Company Name: GEORGE WANAT
Contact Type: Not reported
Contact Name: NONE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 963-3650
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 22861
Affiliation Type: Mail Contact
Company Name: GEORGE WANAT
Contact Type: Not reported
Contact Name: Not reported
Address1: 114 BEDFORD AVENUE
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 963-3650
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 22861
Affiliation Type: Facility Owner
Company Name: GEORGE WANAT
Contact Type: OWNER
Contact Name: GEORGE WANAT
Address1: 114 BEDFORD AVE
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 745-0981
EMail: Not reported
Fax Number: Not reported

GEORGE WANAT (Continued) **U003395785**

Modified By: dxliving
Date Last Modified: 3/11/2008

Tank Info:

Tank Number: 1
Tank Id: 44321
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A99 - Tank Internal Protection - Other
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
I00 - Overfill - None
B05 - Tank External Protection - Jacketed
L00 - Piping Leak Detection - None
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 09/01/1972
Capacity Gallons: 4000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: msbaptis
Last Modified: 08/17/2007

HIST AST:
PBS Number: 2-600890
SWIS Code: 6101
Operator: NONE
Facility Phone: (718) 963-3650
Facility Addr2: 327 BEDFORD AVENUE
Facility Type: APARTMENT BUILDING
Emergency: NONE
Emergency Tel: (718) 963-3650
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: GEORGE WANAT
Owner Address: 114 BEDFORD AVE
Owner City,St,Zip: BROOKLYN, NY 11211
Federal ID: Not reported
Owner Tel: (718) 963-3650
Owner Type: Private Resident

GEORGE WANAT (Continued) **U003395785**

Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	GEORGE WANAT
Mailing Address:	114 BEDFORD AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 963-3650
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/03/1997
Expiration:	09/24/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	1
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	9
Tank External:	05
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Other
Pipe External:	01
Tank Containment:	Not reported
Leak Detection:	Not reported
Overfill Protection:	Not reported
Dispenser Method:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

N80 NNE < 1/8 0.123 mi. 650 ft. | **108 SOUTH 2ND STREET**
108 SOUTH 2ND ST
BROOKLYN, NY | **NY LTANKS** | **S104516600**
N/A

Site 2 of 2 in cluster N

Relative: Higher

Actual: 50 ft.

LTANKS:

Site ID:	117343
Spill Number/Closed Date:	9913287 / 3/7/2000
Spill Date:	2/23/2000
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	2/23/2000
CID:	312
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/23/2000
Spill Record Last Update:	3/7/2000
Spiller Name:	BILL CROCKER
Spiller Company:	BORO FUEL OIL
Spiller Address:	2 CHURCH AVENUE
Spiller City,St,Zip:	BROOKLYN, NY 11218-
Spiller County:	001
Spiller Contact:	KENNETH NATTON
Spiller Phone:	(718) 387-1328
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	102094
DEC Memo:	Not reported
Remarks:	DRIVER OVERFILLED THE TANK - SPILLED TO STAIRS AND BASEMENT - CLEAN UP COMPANY E/R

Material:

Site ID:	117343
Operable Unit ID:	1087810
Operable Unit:	01
Material ID:	295146
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

108 SOUTH 2ND STREET (Continued) **S104516600**

Tank Test:

T81
SSW
< 1/8
0.123 mi.
652 ft.

97-101 BROADWAY
97-101 BROADWAY
BROOKLYN, NY 11211

NY AST **A100300890**
N/A

Site 1 of 7 in cluster T

Relative:
Lower

Actual:
39 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-609229
Program Type:	PBS
UTM X:	587416.43730999995
UTM Y:	4507134.6887299996
Expiration Date:	N/A

Affiliation Records:

Site Id:	31074
Affiliation Type:	Facility Owner
Company Name:	SHB REALTY INC % PARK AVENUE MANAGEMENT
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	388 BERRY ST.
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 486-0219
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	31074
Affiliation Type:	Mail Contact
Company Name:	SHB REALTY INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	% PARK AVENUE MANAGEMENT
Address2:	388 BERRY STREET
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 486-0219
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	31074
Affiliation Type:	On-Site Operator
Company Name:	97-101 BROADWAY
Contact Type:	Not reported

97-101 BROADWAY (Continued) **A100300890**

Contact Name:	SUPERIOR CONSTRUCTION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 852-7594
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	31074
Affiliation Type:	Emergency Contact
Company Name:	SHB REALTY INC % PARK AVENUE MANAGEMENT
Contact Type:	Not reported
Contact Name:	LEIBY MARKOWITZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 486-0219
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	1
Tank Id:	66866
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	B00 - Tank External Protection - None
	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	H00 - Tank Leak Detection - None
	A00 - Tank Internal Protection - None
	D00 - Pipe Type - No Piping
	G00 - Tank Secondary Containment - None
	J00 - Dispenser - None
	I00 - Overfill - None
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

97-101 BROADWAY (Continued) **A100300890**

Date Tank Closed: Not reported
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

T82
SSW
< 1/8
0.123 mi.
652 ft.

97 BROADWAY
97 BROADWAY
BROOKLYN, NY

NY LTANKS **S105999733**
N/A

Site 2 of 7 in cluster T

Relative:
Lower

Actual:
39 ft.

LTANKS:

Site ID:	105738
Spill Number/Closed Date:	0330029 / 3/28/2006
Spill Date:	8/27/2003
Spill Cause:	Tank Failure
Spill Source:	Non Major Facility > 1,100 gal
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	KPSARNOW
Referred To:	Not reported
Reported to Dept:	8/27/2003
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/27/2003
Spill Record Last Update:	3/28/2006
Spiller Name:	Not reported
Spiller Company:	S H B REALTY CORP.
Spiller Address:	C/O PARK AVE F/1071 38 ST
Spiller City,St,Zip:	BROOKLYN, NY 11219-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	(347) 242-4504
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	93255
DEC Memo:	Contacted development corp. Tank was cleaned, registered and properly disposed of. Contaminated soil around tank was excavated and taken off-site. Spill closed 3/28/06
Remarks:	DEC Rossan was investigating an open lot where there was a NYC Building Permit posted and found an unregistered underground storage tank open being prepared for removal. There was odors of petroleum coming from the tank which may have product leaking.

Material:

Site ID:	105738
Operable Unit ID:	880595
Operable Unit:	01
Material ID:	496527

97 BROADWAY (Continued) **S105999733**

Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

R83 **LOT 14,TAXBLOCK 2469** **NY E DESIGNATION** **S108470099**
WSW **50 SOUTH 6 STREET** **N/A**
< 1/8 **BROOKLYN, NY 11211**
0.124 mi.
655 ft. **Site 5 of 5 in cluster R**

Relative:
Lower

Actual:
30 ft.

E DESIGNATION:

Tax Lot(s):	14
E-No:	E-82
Effective Date:	3/18/1998
Satisfaction Date:	Not reported
Ceqr Number:	98DCP012K
Ulurp Number:	980077 ZMK
Zoning Map No:	12d
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	1007
School District:	14
City Council District:	33
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	C4-3
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-3
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	C3
Land Use Category:	02
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	NATHAN WEINSTOCK
Lot Area:	000001993
Total Building Floor Area:	00000003220
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000

LOT 14,TAXBLOCK 2469 (Continued) **S108470099**

Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00004
Non and Residential Units:	00004
Lot Frontage:	0023.00
Lot Depth:	0086.67
Building Frontage:	0023.00
Building Depth:	0035.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000002317
Total Assessed Value:	00000026494
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1899
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.62
Maximum Allowable Far:	03.40
Borough Code:	3
Borough Tax Block And Lot:	3024690014
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993422
Y Coordinate:	0198421
Zoning Map:	12D
Sanborn Map:	303 006
Tax Map:	30806
E Designation No:	E-82
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

84 NE < 1/8 0.125 mi. 658 ft. | **115 SOUTH 2ND STREET**
115 SOUTH 2ND STREET
BROOKLYN, NY 11211 | **NY AST** | **A100291316**
N/A

Relative: Higher

Actual: 51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608658
Program Type:	PBS
UTM X:	587586.77801000001
UTM Y:	4507490.4142300002
Expiration Date:	2013/03/26

Affiliation Records:

Site Id:	30510
Affiliation Type:	Emergency Contact
Company Name:	GEORGE WANAT
Contact Type:	Not reported
Contact Name:	GEORGE WANAT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30510
Affiliation Type:	On-Site Operator
Company Name:	115 SOUTH 2ND STREET
Contact Type:	Not reported
Contact Name:	GEORGE WANAT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30510
Affiliation Type:	Facility Owner
Company Name:	GEORGE WANAT
Contact Type:	OWNER
Contact Name:	GEORGE WANAT
Address1:	114 BEDFORD AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY

115 SOUTH 2ND STREET (Continued) **A100291316**

Zip Code:	11211
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/11/2008

Site Id:	30510
Affiliation Type:	Mail Contact
Company Name:	Not reported
Contact Type:	Not reported
Contact Name:	GEORGE WANAT
Address1:	114 BEDFORD AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/11/2008

Tank Info:

Tank Number:	001
Tank Id:	65460
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	I05 - Overfill - Vent Whistle
	F00 - Pipe External Protection - None
	C01 - Pipe Location - Aboveground
	H00 - Tank Leak Detection - None
	B00 - Tank External Protection - None
	G04 - Tank Secondary Containment - Double-Walled (Underground)
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J02 - Dispenser - Suction Dispenser
	L09 - Piping Leak Detection - Exempt Suction Piping
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/01/1955
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	03/11/2008

T85
South
< 1/8
0.125 mi.
660 ft.

104 BROADWAY
BROOKLYN, NY 11211

Site 3 of 7 in cluster T

EDR US Hist Auto Stat **1015135798**
N/A

Relative:
Lower

Actual:
40 ft.

EDR Historical Auto Stations:

Name:	FREDDYS AUTO SHOP
Year:	2003
Address:	104 BROADWAY
Name:	FREDDYS AUTO SHOP
Year:	2004
Address:	104 BROADWAY

T86
South
< 1/8
0.125 mi.
660 ft.

LOT 7,TAXBLOCK 2131
104 BROADWAY
BROOKLYN, NY 11211

Site 4 of 7 in cluster T

NY E DESIGNATION **S108078503**
N/A

Relative:
Lower

Actual:
40 ft.

E DESIGNATION:

Tax Lot(s):	7
E-No:	E-82
Effective Date:	3/18/1998
Satisfaction Date:	Not reported
Ceqr Number:	98DCP012K
Ulurp Number:	980077 ZMK
Zoning Map No:	12d
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	549
Census Block:	2001
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	C4-3
Zone District 2:	R6
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-3
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	ISAAC D INC
Lot Area:	000002525
Total Building Floor Area:	00000004750
Commercial Floor Area:	00000004750
Office Floor Area:	00000002375
Retail Floor Area:	00000000000
Garage Floor Area:	00000002375
Storage Floor Area:	00000000000

LOT 7,TAXBLOCK 2131 (Continued) **S108078503**

Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0101.00
Building Frontage:	0025.00
Building Depth:	0101.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000014940
Total Assessed Value:	00000084600
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1958
Year Built Code:	Not reported
Year Altered1:	1993
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.88
Maximum Allowable Far:	03.40
Borough Code:	3
Borough Tax Block And Lot:	3021310007
Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993932
Y Coordinate:	0198000
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30801
E Designation No:	E-82
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	7
E-No:	E-82
Effective Date:	3/18/1998
Satisfaction Date:	Not reported
Ceqr Number:	98DCP012K
Ulurp Number:	980077 ZMK
Zoning Map No:	12d
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	301

LOT 7,TAXBLOCK 2131 (Continued) **S108078503**

Census Tract:	549
Census Block:	2001
School District:	14
City Council District:	34
Fire Company:	E221
Health Area:	30
Police Precinct:	090
Zone District 1:	C4-3
Zone District 2:	R6
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-3
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	ISAAC D INC
Lot Area:	000002525
Total Building Floor Area:	00000004750
Commercial Floor Area:	00000004750
Office Floor Area:	00000002375
Retail Floor Area:	00000000000
Garage Floor Area:	00000002375
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0101.00
Building Frontage:	0025.00
Building Depth:	0101.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000014940
Total Assessed Value:	00000084600
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1958
Year Built Code:	Not reported
Year Altered1:	1993
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.88
Maximum Allowable Far:	03.40
Borough Code:	3
Borough Tax Block And Lot:	3021310007

LOT 7,TAXBLOCK 2131 (Continued) **S108078503**

Condominium Number:	00000
Census Tract 2:	0549
X Coordinate:	0993932
Y Coordinate:	0198000
Zoning Map:	12D
Sanborn Map:	303 011
Tax Map:	30801
E Designation No:	E-82
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

T87
SSW
1/8-1/4
0.127 mi.
672 ft.

NYNEX **NY MANIFEST** **1009233554**
BROADWAY & BERRY ST **N/A**
BROOKLYN, NY 10016

Site 5 of 7 in cluster T

Relative:
Lower

Actual:
37 ft.

NY MANIFEST:

EPA ID:	NYP000916999
Country:	USA
Mailing Name:	NYNEX
Mailing Contact:	TOM DUFFY
Mailing Address:	221 37TH STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10016
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-338-7126

Document ID:	MIA3034386
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	940927
Trans1 Recv Date:	940927
Trans2 Recv Date:	941024
TSD Site Recv Date:	941025
Part A Recv Date:	941115
Part B Recv Date:	941114
Generator EPA ID:	NYP000916999
Trans1 EPA ID:	NJD986576031
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	01200
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels

NYNEX (Continued) **1009233554**

Handling Method: L Landfill.
Specific Gravity: 100
Year: 94

88
North
1/8-1/4
0.128 mi.
678 ft.

SS PETER & PAULS R C CHURCH
86 SOUTH 2ND ST
BROOKLYN, NY 11211

NY UST **U000394955**
NY HIST UST **N/A**

Relative:
Higher

Actual:
46 ft.

UST:
Id/Status: 2-109177 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 2012/03/24
UTM X: 587502.88864999998
UTM Y: 4507512.1285699997

Affiliation Records:
Site Id: 3269
Affiliation Type: Facility Owner
Company Name: SS PETER & PAUL RC CHURCH
Contact Type: PASTOR
Contact Name: REV. RICHARD J. BEUTHER
Address1: 71 SOUTH 3RD STREET
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11202
Country Code: 001
Phone: (718) 388-9576
EMail: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 1/8/2007

Site Id: 3269
Affiliation Type: Mail Contact
Company Name: SS PETER & PAUL RC CHURCH
Contact Type: Not reported
Contact Name: REV. RICHARD J. BEUTHER
Address1: 71 SOUTH 3RD STREET
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 388-9576
EMail: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 1/8/2007

Site Id: 3269
Affiliation Type: On-Site Operator
Company Name: SS PETER & PAULS R C CHURCH
Contact Type: Not reported

SS PETER & PAULS R C CHURCH (Continued) **U000394955**

Contact Name:	PASTOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-9576
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3269
Affiliation Type:	Emergency Contact
Company Name:	SS PETER & PAUL RC CHURCH
Contact Type:	Not reported
Contact Name:	PASTOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-9576
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	3937
Tank Status:	In Service
Capacity Gallons:	3000
Install Date:	12/01/1963
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	21
Date Test:	01/05/2010
Next Test Date:	01/05/2015
Pipe Model:	Not reported
Modified By:	BKFALVEY
Last Modified:	01/11/2010

Equipment Records:

G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

SS PETER & PAULS R C CHURCH (Continued) **U000394955**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground

HIST UST:

PBS Number:	2-109177
SPDES Number:	Not reported
Emergency Contact:	PASTOR
Emergency Telephone:	(718) 388-9576
Operator:	PASTOR
Operator Telephone:	(718) 388-9576
Owner Name:	SS PETER & PAUL RC CHURCH
Owner Address:	71 SOUTH 3RD STREET
Owner City,St,Zip:	BROOKLYN, NY 11202
Owner Telephone:	(718) 388-9576
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	SS PETER & PAUL RC CHURCH
Mailing Address:	71 SOUTH 3RD STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	Not reported
Mailing Telephone:	(718) 388-9576
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	86 SOUTH 2ND ST
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/21/2000
Expiration Date:	03/24/2002
Renew Flag:	False
Renewal Date:	20011113
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service

SS PETER & PAULS R C CHURCH (Continued) **U000394955**

Install Date:	19631201
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	03/27/2000
Next Test Date:	03/27/2005
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	21
Deleted:	False
Updated:	True
Lat/long:	Not reported

T89 **381 BERRY ST** **NY AST** **U003388040**
SSW **381 BERRY ST** **NY HIST AST** **N/A**
1/8-1/4 **BKLYN, NY 11211**
0.130 mi.
684 ft. **Site 6 of 7 in cluster T**

Relative:
Lower

Actual:
38 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-254703
Program Type:	PBS
UTM X:	587406.89150999999
UTM Y:	4507096.8348500002
Expiration Date:	2007/10/02

Affiliation Records:

Site Id:	10373
Affiliation Type:	Facility Owner
Company Name:	BWAY & BERRY ASSOC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	217 HAVEMEYER STREET #505
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 782-0579
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	12/14/2004

Site Id:	10373

381 BERRY ST (Continued) **U003388040**

Affiliation Type:	Mail Contact
Company Name:	BWAY & BERRY ASSOC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	217 HAVEMEYER STREET #505
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 782-0579
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	12/14/2004

Site Id:	10373
Affiliation Type:	On-Site Operator
Company Name:	381 BERRY ST
Contact Type:	Not reported
Contact Name:	FEZIX RODRIGUE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 486-7386
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	10373
Affiliation Type:	Emergency Contact
Company Name:	BWAY & BERRY ASSOC
Contact Type:	Not reported
Contact Name:	J. HAGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 782-0579
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	13034
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

381 BERRY ST (Continued) **U003388040**

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Temporarily Out of Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-254703
SWIS Code:	6101
Operator:	RAFAEL LOPEZ
Facility Phone:	(718) 599-1754
Facility Addr2:	381 BERRY ST
Facility Type:	APARTMENT BUILDING
Emergency:	J. HAGER
Emergency Tel:	(718) 782-0579
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	BWAY & BERRY ASSOC
Owner Address:	217 HAVEMEYER STREET #505
Owner City,St,Zip:	BKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 782-0579
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	BWAY & BERRY ASSOC
Mailing Address:	217 HAVEMEYER STREET #505
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BKLYN, NY 11211
Mailing Telephone:	(718) 782-0579
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False

381 BERRY ST (Continued) **U003388040**

Certification Date:	09/17/1997
Expiration:	10/02/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

T90 **100 BWAY** **NY AST** **U003385431**
SSW **100 BROADWAY** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.130 mi.
684 ft. **Site 7 of 7 in cluster T**

Relative:
Lower

Actual:
38 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-189448
Program Type:	PBS
UTM X:	587473.43284999998
UTM Y:	4507108.6423000004
Expiration Date:	2017/06/05

100 BWAY (Continued) **U003385431**

Affiliation Records:

Site Id:	5790
Affiliation Type:	Facility Owner
Company Name:	BWAY & BERRY ASSOC
Contact Type:	MANAGING AGENT
Contact Name:	JACOB HAGER
Address1:	266 BROADWAY SUITE 604
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 852-0978
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	9/12/2012

Site Id:	5790
Affiliation Type:	Mail Contact
Company Name:	BROADWAY & BERRY ASSOC
Contact Type:	Not reported
Contact Name:	JACOB HAGER
Address1:	266 BRAODWAY SUITE 604
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 852-0978
EMail:	JHAGER@HAGERMANAGEMENT.COM
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	9/12/2012

Site Id:	5790
Affiliation Type:	On-Site Operator
Company Name:	100 BROADWAY/381 BERRY
Contact Type:	Not reported
Contact Name:	FELIX RODRIGUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 219-0252
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	9/12/2012

Site Id:	5790
Affiliation Type:	Emergency Contact
Company Name:	BWAY & BERRY ASSOC
Contact Type:	Not reported
Contact Name:	HAGER MANAGEMENT, INC.

100 BWAY (Continued) **U003385431**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 852-0978
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	8/10/2007

Tank Info:

Tank Number:	001
Tank Id:	6419
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	B00 - Tank External Protection - None
	K00 - Spill Prevention - None
	G00 - Tank Secondary Containment - None
	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	I04 - Overfill - Product Level Gauge (A/G)
	A00 - Tank Internal Protection - None
	D02 - Pipe Type - Galvanized Steel
	J02 - Dispenser - Suction Dispenser
	L09 - Piping Leak Detection - Exempt Suction Piping
	E00 - Piping Secondary Containment - None
	H00 - Tank Leak Detection - None
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	09/12/2012

HIST AST:

PBS Number:	2-189448
SWIS Code:	6101
Operator:	RAFAEL LOPEZ
Facility Phone:	(718) 388-1959
Facility Addr2:	100 BROADWAY
Facility Type:	APARTMENT BUILDING
Emergency:	J HAGER
Emergency Tel:	(718) 436-9765
Old PBSNO:	Not reported

100 BWAY (Continued) **U003385431**

Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	BWAY & BERRY ASSOC
Owner Address:	217 HAVEMEYER ST 505
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 782-0579
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	BWAY & BERRY ASSOC
Mailing Address:	217 HAVEMEYER ST. 505
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 782-0579
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	06/24/1997
Expiration:	06/05/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing

100 BWAY (Continued) **U003385431**

Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

U91 **424 WYTHE AVENUE** **NY UST** **U001833831**
West **424 WYTHE AVENUE** **NY HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211** **NY MANIFEST**
0.132 mi.
697 ft. **Site 1 of 2 in cluster U**

Relative:
Lower

Actual:
26 ft.

UST:
Id/Status: 2-242306 / Unregulated
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 587327.27584999998
UTM Y: 4507211.9342200002

Affiliation Records:
Site Id: 9274
Affiliation Type: Facility Owner
Company Name: NYC DOT
Contact Type: Not reported
Contact Name: Not reported
Address1: 40 WORTH ST
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 566-3870
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 9274
Affiliation Type: Mail Contact
Company Name: NYC DOT FACILITIES MAINTENANCE
Contact Type: Not reported
Contact Name: VIVIAN MARCOVICI
Address1: 69-46 SYBILLA STR
Address2: Not reported
City: FOREST HILLS
State: NY
Zip Code: 11375
Country Code: 001
Phone: (718) 793-7186
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 9274

424 WYTHE AVENUE (Continued) **U001833831**

Affiliation Type:	On-Site Operator
Company Name:	424 WYTHE AVENUE
Contact Type:	Not reported
Contact Name:	FACILITY MANAGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-9216
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	9274
Affiliation Type:	Emergency Contact
Company Name:	NYC DOT
Contact Type:	Not reported
Contact Name:	DOT CONTROL RM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 566-3406
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	10047
Tank Status:	Closed - Removed
Capacity Gallons:	1500
Install Date:	Not reported
Date Tank Closed:	10/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	ZZ
Date Test:	12/01/1990
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

424 WYTHE AVENUE (Continued) **U001833831**

I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J01 - Dispenser - Pressurized Dispenser
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None

HIST UST:

PBS Number:	2-242306
SPDES Number:	Not reported
Emergency Contact:	DOT CONTROL RM
Emergency Telephone:	(212) 566-3406
Operator:	FACILITY MANAGER
Operator Telephone:	(718) 963-9216
Owner Name:	NYC DOT
Owner Address:	40 WORTH ST
Owner City,St,Zip:	NEW YORK, NY 10013
Owner Telephone:	(212) 566-3870
Owner Type:	Local Government
Owner Subtype:	The City of New York
Mailing Name:	NYC DOT FACILITIES MAINTENANCE
Mailing Address:	69-46 SYBILLA STR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	FOREST HILLS, NY 11375
Mailing Contact:	VIVIAN MARCOVICI
Mailing Telephone:	(718) 793-7186
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	424 WYTHE AVENUE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/16/1998
Expiration Date:	06/30/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND

424 WYTHE AVENUE (Continued) **U001833831**

Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Submersible
Date Tested:	12/01/1990
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

NY MANIFEST:

EPA ID:	NYR000145813
Country:	USA
Mailing Name:	NYCDOT BRIDGES
Mailing Contact:	ALEX BEZEHASTNA
Mailing Address:	2 RECTOR ST
Mailing Address 2:	5TH FLOOR
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10006
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-442-7622

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-02-12
Trans1 Recv Date:	2008-02-12
Trans2 Recv Date:	2008-03-04
TSD Site Recv Date:	2008-03-04
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0

424 WYTHE AVENUE (Continued) **U001833831**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000083110SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-06-20
Trans1 Recv Date:	2008-06-20
Trans2 Recv Date:	2008-06-26
TSD Site Recv Date:	2008-07-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001253088SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930

424 WYTHE AVENUE (Continued) **U001833831**

Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-04-16
Trans1 Recv Date:	2008-04-16
Trans2 Recv Date:	2008-04-24
TSD Site Recv Date:	2008-04-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000124969SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2009-03-18
Trans1 Recv Date:	2009-03-18
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-03-24
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001356141SKS
Import Ind:	N

424 WYTHE AVENUE (Continued) **U001833831**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2009-06-26
Trans1 Recv Date:	2009-06-26
Trans2 Recv Date:	2009-06-30
TSD Site Recv Date:	2009-07-10
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001805258SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2009-08-12
Trans1 Recv Date:	2009-08-12
Trans2 Recv Date:	2009-08-21
TSD Site Recv Date:	2009-08-22
Part A Recv Date:	Not reported

424 WYTHE AVENUE (Continued) **U001833831**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	002021265SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2009-03-18
Trans1 Recv Date:	2009-03-18
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-03-24
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001356141SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

424 WYTHE AVENUE (Continued) **U001833831**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2009-03-18
Trans1 Recv Date:	2009-03-18
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-03-24
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001356141SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2009-06-26
Trans1 Recv Date:	2009-06-26
Trans2 Recv Date:	2009-06-30
TSD Site Recv Date:	2009-07-10
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported

424 WYTHE AVENUE (Continued) **U001833831**

Quantity:	100.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001805258SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-11-05
Trans1 Recv Date:	2009-11-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-11-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	220.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	003536227JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

424 WYTHE AVENUE (Continued) **U001833831**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2009-08-12
Trans1 Recv Date:	2009-08-12
Trans2 Recv Date:	2009-08-21
TSD Site Recv Date:	2009-08-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	002021265SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2010-01-07
Trans1 Recv Date:	2010-01-07
Trans2 Recv Date:	2010-01-22
TSD Site Recv Date:	2010-01-23
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	900.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

424 WYTHE AVENUE (Continued) **U001833831**

Year:	2010
Manifest Tracking Num:	002316333SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2010-01-07
Trans1 Recv Date:	2010-01-07
Trans2 Recv Date:	2010-01-22
TSD Site Recv Date:	2010-01-23
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	900.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	002316333SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2010-10-28
Trans1 Recv Date:	2010-10-28

424 WYTHE AVENUE (Continued) **U001833831**

Trans2 Recv Date:	2010-11-08
TSD Site Recv Date:	2010-11-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1760.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	002316491SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2010-04-09
Trans1 Recv Date:	2010-04-09
Trans2 Recv Date:	2010-04-16
TSD Site Recv Date:	2010-04-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	1800.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	002316958SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

424 WYTHE AVENUE (Continued) **U001833831**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2010-06-30
Trans1 Recv Date:	2010-06-30
Trans2 Recv Date:	2010-07-06
TSD Site Recv Date:	2010-07-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	820.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	003361529FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-06-20
Trans1 Recv Date:	2008-06-20
Trans2 Recv Date:	2008-06-26
TSD Site Recv Date:	2008-07-08
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported

424 WYTHE AVENUE (Continued) **U001833831**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001253088SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-02-12
Trans1 Recv Date:	2008-02-12
Trans2 Recv Date:	2008-03-04
TSD Site Recv Date:	2008-03-04
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145813
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000083110SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

424 WYTHE AVENUE (Continued) **U001833831**

Mgmt Method Type Code: H061

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-04-16
Trans1 Recv Date: 2008-04-16
Trans2 Recv Date: 2008-04-24
TSD Site Recv Date: 2008-04-28
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000145813
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: KYD053348108
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000124969SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H061

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: Not reported
Generator Ship Date: 2009-03-18
Trans1 Recv Date: 2009-03-18
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2009-03-24
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000145813
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: Not reported
Quantity: 300.0
Units: P - Pounds
Number of Containers: 1.0

424 WYTHE AVENUE (Continued) **U001833831**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001356141SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Click this hyperlink while viewing on your computer to access
11 additional NY_MANIFEST: record(s) in the EDR Site Report.

U92 **424 WYTHE AVENUE** **RCRA-LQG** **1010328955**
West **424 WYTHE AVENUE** **NYR000145813**
1/8-1/4 **BROOKLYN, NY 11211**
0.132 mi.
697 ft. **Site 2 of 2 in cluster U**

Relative:
Lower

Actual:
26 ft.

RCRA-LQG:

Date form received by agency:	02/26/2008
Facility name:	424 WYTHE AVENUE
Facility address:	424 WYTHE AVENUE BROOKLYN, NY 11211
EPA ID:	NYR000145813
Mailing address:	RECTOR STREET NEW YORK, NY 10006
Contact:	ALEX BEZCHASTNOV
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 788-2091
Contact email:	ABEZCHASTNOV@DOT.NY
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	NYC DOT

424 WYTHE AVENUE (Continued) **1010328955**

Owner/operator address:	RECTOR STREET NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Owner/operator name:	NYC DOT
Owner/operator address:	RECTOR STREET NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Owner/operator name:	NYCDOT
Owner/operator address:	RECTOR ST NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	04/12/2007
Owner/Op end date:	Not reported

Owner/operator name:	NYCDOT
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	04/12/2007
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

424 WYTHE AVENUE (Continued) **1010328955**

Historical Generators:
Date form received by agency: 04/12/2007
Facility name: 424 WYTHE AVENUE
Site name: NYCDOT BRIDGES
Classification: Large Quantity Generator

Date form received by agency: 04/11/2007
Facility name: 424 WYTHE AVENUE
Site name: NYCDOT BRIDGES
Classification: Large Quantity Generator

Date form received by agency: 04/11/2007
Facility name: 424 WYTHE AVENUE
Site name: NYCDOT BRIDGES
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

93
NW
1/8-1/4
0.134 mi.
705 ft.

Relative:
Lower

Actual:
29 ft.

CON EDISON - VS 5212 **RCRA NonGen / NLR** **1008195514**
8TH AVE AND 3RD ST. **NY MANIFEST** **NYP004106928**
BROOKLYN, NY 11215

RCRA NonGen / NLR:
Date form received by agency: 02/27/2004
Facility name: CON EDISON - VS 5212
Facility address: 8TH AVE AND 3RD ST.
BROOKLYN, NY 11215
EPA ID: NYP004106928
Mailing address: 4 IRVING PLACE
NEW YORK, NY 10003
Contact: ANTHONY DRUMMINGS
Contact address: 4 IRVING PLACE
NEW YORK, NY 10003
Contact country: US
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02

CON EDISON - VS 5212 (Continued) **1008195514**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: 4 IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/05/2003
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: 4 IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/05/2003
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/26/2004
Facility name: CON EDISON - VS 5212
Classification: Not a generator, verified

Date form received by agency: 02/25/2004
Facility name: CON EDISON - VS 5212
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004106928
Country: USA
Mailing Name: CONSOLIDATED EDISON

CON EDISON - VS 5212 (Continued) **1008195514**

Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NYE0588987
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/2003
Trans1 Recv Date:	02/05/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/08/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004106928
Trans1 EPA ID:	NYD980593636
Trans2 EPA ID:	Not reported
TSDF ID:	46690JM
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00920
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2003

Document ID:	NYE0590364
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/2003
Trans1 Recv Date:	02/05/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/06/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004106928
Trans1 EPA ID:	NYD980593636
Trans2 EPA ID:	Not reported
TSDF ID:	46233JM
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	00973
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2003

V94 SW 1/8-1/4 0.139 mi. 732 ft. | **CAMREX RELIANCE PAINT CO**
401 WYTHE AVE
BROOKLYN, NY 11211

RCRA NonGen / NLR FINDS | **1000356921 NYD086230026**

Site 1 of 7 in cluster V

Relative: Lower

Actual: 32 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CAMREX RELIANCE PAINT CO
Facility address:	401 WYTHE AVE BROOKLYN, NY 11211
EPA ID:	NYD086230026
Mailing address:	WYTHE AVE BROOKLYN, NY 11211
Contact:	ANDREW ARGIRIADI
Contact address:	WYTHE AVE BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	(718) 387-1680
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CAMREX RELIANCE PAINT CO INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CAMREX RELIANCE PAINT CO INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

CAMREX RELIANCE PAINT CO (Continued) **1000356921**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CAMREX RELIANCE PAINT CO
Classification: Not a generator, verified

Date form received by agency: 11/20/1985
Facility name: CAMREX RELIANCE PAINT CO
Classification: Unverified

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/01/1986
Date achieved compliance: 11/01/1986
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/01/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 11/01/1986
Evaluation lead agency: State

FINDS:

Registry ID: 110004373160

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

W95 ENE 1/8-1/4 0.144 mi. 761 ft. | **136 SOUTH 2ND ST.**
136 SOUTH 2ND STREET
BROOKLYN, NY 11211

Site 1 of 2 in cluster W

NY AST | **A100318956**
N/A

Relative: Higher

Actual: 51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608866
Program Type:	PBS
UTM X:	587646.81869999995
UTM Y:	4507449.4900200004
Expiration Date:	2013/04/17

Affiliation Records:

Site Id:	30714
Affiliation Type:	Facility Owner
Company Name:	GEORGE WANAT
Contact Type:	OWNER
Contact Name:	GEORGE WANAT
Address1:	114 BEDFORD AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 745-0981
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/11/2008

Site Id:	30714
Affiliation Type:	On-Site Operator
Company Name:	136 SOUTH 2ND ST.
Contact Type:	Not reported
Contact Name:	GEORGE WANAT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/11/2008

Site Id:	30714
Affiliation Type:	Emergency Contact
Company Name:	GEORGE WANAT
Contact Type:	Not reported
Contact Name:	GEORGE WANAT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

136 SOUTH 2ND ST. (Continued) **A100318956**

Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30714
Affiliation Type:	Mail Contact
Company Name:	Not reported
Contact Type:	Not reported
Contact Name:	GEORGE WANAT
Address1:	114 BEDFORD AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/11/2008

Tank Info:

Tank Number:	002
Tank Id:	65891
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2000
Tightness Test Method:	21
Date Test:	03/31/2003
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	03/11/2008

X96 ESE 1/8-1/4 0.145 mi. 764 ft. | **CVEL REALTY CORP.**
155 SOUTH 4TH ST
BROOKLYN, NY 11211 | **NY HIST UST** | **U003178480**
N/A

Site 1 of 3 in cluster X

Relative: Higher

Actual: 49 ft.

HIST UST:

PBS Number:	2-259152
SPDES Number:	Not reported
Emergency Contact:	COASTAL COMBUSTION
Emergency Telephone:	(800) 734-4328
Operator:	RIVERAS
Operator Telephone:	(718) 782-4402
Owner Name:	CVEL REALTY CORP
Owner Address:	209 LEE AVE
Owner City,St,Zip:	BROOKLYN, NY 11206
Owner Telephone:	(718) 384-0021
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	COASTAL COMBUSTION CORP
Mailing Address:	1314 JERICHO TURNPIKE
Mailing Address 2:	P.O. BOX 23
Mailing City,St,Zip:	NEW HYDE PARK, NY 11040
Mailing Contact:	MICHAEL LACERTOSA,JR.
Mailing Telephone:	(800) 734-4328
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	06/04/1997
Expiration Date:	08/17/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	4000

CVEL REALTY CORP. (Continued) **U003178480**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

X97 **APPLIED CIRCUITS INC** **RCRA NonGen / NLR** **1000284702**
ESE **155 N 4TH ST** **NY MANIFEST** **NYD056410707**
1/8-1/4 **BROOKLYN, NY 11211**
0.145 mi.
764 ft. **Site 2 of 3 in cluster X**

Relative:
Higher

Actual:
49 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	APPLIED CIRCUITS INC
Facility address:	155 N 4TH ST BROOKLYN, NY 112113216
EPA ID:	NYD056410707
Mailing address:	N 4TH ST BROOKLYN, NY 11211
Contact:	Not reported
Contact address:	N 4TH ST BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	UNKOWN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

APPLIED CIRCUITS INC (Continued) **1000284702**

Owner/operator name: UNKOWN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: APPLIED CIRCUITS INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: APPLIED CIRCUITS INC
Classification: Not a generator, verified

Date form received by agency: 03/01/1990
Facility name: APPLIED CIRCUITS INC
Site name: APPLIED CIRCUITS INCORPORATED
Classification: Large Quantity Generator

Date form received by agency: 02/16/1988
Facility name: APPLIED CIRCUITS INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/03/1989
Date achieved compliance: 10/02/1989
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/02/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

APPLIED CIRCUITS INC (Continued) **1000284702**

Proposed penalty amount: Not reported
Final penalty amount: 1500
Paid penalty amount: 1500

Evaluation Action Summary:
Evaluation date: 09/02/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/03/1989
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 10/02/1989
Evaluation lead agency: State

NY MANIFEST:
EPA ID: NYD056410707
Country: USA
Mailing Name: APPLIED CIRCUITS INC
Mailing Contact: APPLIED CIRCUITS INC
Mailing Address: 155 NORTH 4TH STREET
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11211
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-486-7300

Document ID: NJA0764803
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS226
Trans2 State ID: Not reported
Generator Ship Date: 891103
Trans1 Recv Date: 891103
Trans2 Recv Date: Not reported
TSD Site Recv Date: 891106
Part A Recv Date: 891106
Part B Recv Date: 891129
Generator EPA ID: NYD056410707
Trans1 EPA ID: NJD054126164
Trans2 EPA ID: Not reported
TSDF ID: NJD052204864
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 09612
Units: P - Pounds
Number of Containers: 021
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 89

Document ID: NJA0764804

APPLIED CIRCUITS INC (Continued) **1000284702**

Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS226
Trans2 State ID:	Not reported
Generator Ship Date:	891208
Trans1 Recv Date:	891208
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891208
Part A Recv Date:	891219
Part B Recv Date:	900104
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	NJD052204864
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	10660
Units:	P - Pounds
Number of Containers:	020
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NJA0766334
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS815
Trans2 State ID:	Not reported
Generator Ship Date:	900622
Trans1 Recv Date:	900622
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900622
Part A Recv Date:	900817
Part B Recv Date:	900806
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NJD156163438
Trans2 EPA ID:	Not reported
TSDF ID:	NJD052204864
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	07230
Units:	P - Pounds
Number of Containers:	015
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA0836124
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS226
Trans2 State ID:	NJDEPS226
Generator Ship Date:	900322
Trans1 Recv Date:	900322
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900323
Part A Recv Date:	900503
Part B Recv Date:	900503

APPLIED CIRCUITS INC (Continued) **1000284702**

Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	NJD054126164
TSDF ID:	NJD052204864
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	07803
Units:	P - Pounds
Number of Containers:	017
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA0603499
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS226
Trans2 State ID:	Not reported
Generator Ship Date:	900927
Trans1 Recv Date:	900927
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900927
Part A Recv Date:	901016
Part B Recv Date:	901108
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	NJD052204864
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	07440
Units:	P - Pounds
Number of Containers:	016
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA1055475
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS226
Trans2 State ID:	NJDEPS226
Generator Ship Date:	901205
Trans1 Recv Date:	901205
Trans2 Recv Date:	901206
TSD Site Recv Date:	901206
Part A Recv Date:	910104
Part B Recv Date:	910118
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	NJD054126164
TSDF ID:	NJD052204864
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	02545
Units:	P - Pounds
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)

APPLIED CIRCUITS INC (Continued) **1000284702**

Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	90

Document ID:	NYG1964718
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	03/13/2001
Trans1 Recv Date:	03/13/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/14/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	PD8070NY
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	03200
Units:	P - Pounds
Number of Containers:	008
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	01600
Units:	P - Pounds
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	CTC0152702
Manifest Status:	Completed copy
Trans1 State ID:	1A126
Trans2 State ID:	Not reported
Generator Ship Date:	880509
Trans1 Recv Date:	880509
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880510
Part A Recv Date:	880516
Part B Recv Date:	880519
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NYD005920673
Trans2 EPA ID:	Not reported
TSDF ID:	CTD001164599

APPLIED CIRCUITS INC (Continued) **1000284702**

Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00770
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	014
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88

Document ID:	CTC0152705
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	1A126
Trans2 State ID:	Not reported
Generator Ship Date:	880624
Trans1 Recv Date:	880630
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880711
Part A Recv Date:	880707
Part B Recv Date:	880719
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NYD005920673
Trans2 EPA ID:	Not reported
TSDF ID:	CTD001164599
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88

Document ID:	CTC0152707
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	1A126
Trans2 State ID:	Not reported
Generator Ship Date:	880913
Trans1 Recv Date:	880915
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880915
Part A Recv Date:	881031
Part B Recv Date:	880923
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NYD005920673
Trans2 EPA ID:	Not reported
TSDF ID:	CTD001164599
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00990
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	018
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88

APPLIED CIRCUITS INC (Continued) **1000284702**

Document ID:	NJA0531223
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	881222
Trans1 Recv Date:	881222
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881222
Part A Recv Date:	881228
Part B Recv Date:	890112
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD052204864
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	01210
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	022
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NJA0554037
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	890518
Trans1 Recv Date:	890518
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890518
Part A Recv Date:	890706
Part B Recv Date:	890606
Generator EPA ID:	NYD056410707
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD052204864
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	13377
Units:	P - Pounds
Number of Containers:	030
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

X98 **155 N 4TH ST** **NY UST** **U003312899**
ESE **155 NORTH 4TH STREET** **NY HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211** **NY AST**
0.145 mi.
764 ft. **Site 3 of 3 in cluster X**

Relative:
Higher

Actual:
49 ft.

UST:

Id/Status:	2-603525 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2

155 N 4TH ST (Continued) **U003312899**

Expiration Date: N/A
UTM X: 587960.95750999998
UTM Y: 4507711.3657099996

Affiliation Records:

Site Id: 25441
Affiliation Type: Mail Contact
Company Name: GMI REALTY LLC
Contact Type: Not reported
Contact Name: NICHOLAS NOTIAS
Address1: 29-10 120TH STREET
Address2: Not reported
City: FLUSHING
State: NY
Zip Code: 11354
Country Code: 001
Phone: (718) 886-3513
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 7/3/2008

Site Id: 25441
Affiliation Type: On-Site Operator
Company Name: 155 N 4TH ST
Contact Type: Not reported
Contact Name: JUSTIN D'AQUANNO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 486-7300
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 7/3/2008

Site Id: 25441
Affiliation Type: Emergency Contact
Company Name: GMI REALTY LLC
Contact Type: Not reported
Contact Name: JUSTIN D'AQUANO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 486-7300
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 7/3/2008

Site Id: 25441
Affiliation Type: Facility Owner

155 N 4TH ST (Continued) **U003312899**

Company Name:	GMI REALTY LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	29-10 120TH ST
Address2:	Not reported
City:	FLUSHING
State:	NY
Zip Code:	11354
Country Code:	001
Phone:	(718) 886-3513
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	7/3/2008

Tank Info:

Tank Number:	001
Tank ID:	54659
Tank Status:	Closed - Removed
Capacity Gallons:	10000
Install Date:	Not reported
Date Tank Closed:	03/24/2008
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	07/03/2008

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

HIST UST:

PBS Number:	2-603525
SPDES Number:	Not reported
Emergency Contact:	JUSTIN D'AQUANO
Emergency Telephone:	(718) 486-7300
Operator:	JUSTIN D'AQUANNO
Operator Telephone:	(718) 486-7300
Owner Name:	JUSTIN D' AQUANNO
Owner Address:	155 NORTH 4TH STREET
Owner City,St,Zip:	BROOKLYN, NY 11211

155 N 4TH ST (Continued) **U003312899**

Owner Telephone:	(718) 486-7300
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	APPLIED CIRCUITS INC.
Mailing Address:	155 NORTH 4TH STREET
Mailing Address 2:	155 NORTH 4TH STREET
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	JUSTIN D'AQUANNO
Mailing Telephone:	(718) 486-7300
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	155 NORTH 4TH STREET
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	06/15/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data

155 N 4TH ST (Continued) **U003312899**

Date Closed: 04/01/1998
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-259152
Program Type: PBS
UTM X: 587716.26887000003
UTM Y: 4507235.79954
Expiration Date: 2017/08/17

Affiliation Records:
Site Id: 10767
Affiliation Type: Facility Owner
Company Name: CVEL REALTY CORP
Contact Type: MANAGER
Contact Name: JEFFREY COHN
Address1: PO BOX 192362
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 854-5205
EMail: Not reported
Fax Number: Not reported
Modified By: KAKYER
Date Last Modified: 10/29/2012

Site Id: 10767
Affiliation Type: Mail Contact
Company Name: BORO FUEL OIL
Contact Type: Not reported
Contact Name: JEFFREY COHN
Address1: 2 CHURCH AVE
Address2: PO BOX 189006
City: BROOKLYN
State: NY
Zip Code: 11218
Country Code: 001
Phone: (718) 854-7500
EMail: BOROFUELOIL@AOL.COM
Fax Number: Not reported
Modified By: BVCAMPBE
Date Last Modified: 9/2/2011

Site Id: 10767
Affiliation Type: On-Site Operator
Company Name: CVEL REALTY CORP.
Contact Type: Not reported
Contact Name: RIVERAS
Address1: Not reported

155 N 4TH ST (Continued) **U003312899**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 782-4402
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	10767
Affiliation Type:	Emergency Contact
Company Name:	CVEL REALTY CORP
Contact Type:	Not reported
Contact Name:	COASTAL COMBUSTION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(800) 734-4328
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	18095
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/01/1941
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported

155 N 4TH ST (Continued) **U003312899**

Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	BVCAMPBE
Last Modified:	09/02/2011

Y99 SE 1/8-1/4 0.148 mi. 784 ft. **BROOKLYN TRANSMISSION & REPAIR INC** **RCRA NonGen / NLR** **1007571210**
155 S 5TH ST **NYR000127787**
BROOKLYN, NY 11211

Site 1 of 2 in cluster Y

Relative: Higher

Actual: 49 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	BROOKLYN TRANSMISSION & REPAIR INC
Facility address:	155 S 5TH ST BROOKLYN, NY 11211
EPA ID:	NYR000127787
Mailing address:	S 5TH ST BROOKLYN, NY 11211
Contact:	RAMDATH RAMLAL
Contact address:	S 5TH ST BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	(718) 218-7009
Contact email:	PROFILER857@HOTMAIL.COM
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BROOKLYN TRANSMISSION & REPAIR INC
Owner/operator address:	S 5TH ST BROOKLYN, NY 11211
Owner/operator country:	US
Owner/operator telephone:	(718) 218-7009
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/2004
Owner/Op end date:	Not reported

Owner/operator name:	NANCY MANGOULD
Owner/operator address:	S 5TH ST BROOKLYN, NY 11211
Owner/operator country:	US
Owner/operator telephone:	(718) 218-7009
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	09/11/1991
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	Yes
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

BROOKLYN TRANSMISSION & REPAIR INC (Continued) **1007571210**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: BROOKLYN TRANSMISSION & REPAIR INC
Classification: Not a generator, verified

Date form received by agency: 09/30/2004
Facility name: BROOKLYN TRANSMISSION & REPAIR INC
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

Y100 **EDR US Hist Auto Stat** **1015246545**
SE **155 S 5TH ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.148 mi.
784 ft. **Site 2 of 2 in cluster Y**

Relative:
Higher

Actual:
49 ft.

EDR Historical Auto Stations:
Name: BROOKLYN TRANSMISSION & RPR
Year: 2005
Address: 155 S 5TH ST

V101 **NYSDOT - CONTRACT BRC253A** **RCRA NonGen / NLR** **1000554880**
SW **60 BROADWAY 7TH FL** **FINDS** **NYD986973691**
1/8-1/4 **BROOKLYN, NY 11211** **NY MANIFEST**
0.149 mi.
786 ft. **Site 2 of 7 in cluster V**

Relative:
Lower

Actual:
32 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NYSDOT - CONTRACT BRC253A
Facility address: 60 BROADWAY 7TH FL
BROOKLYN, NY 11211
EPA ID: NYD986973691
Mailing address: BROADWAY 7TH FL
BROOKLYN, NY 11211
Contact: ROBERT BRESLIN
Contact address: BROADWAY 7TH FL
BROOKLYN, NY 11211
Contact country: US
Contact telephone: (718) 782-2411
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Owner/Operator Summary:

Owner/operator name:	NYSDOT - BUREAU OF BRIDGES
Owner/operator address:	2 RECTOR ST NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 788-1814
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYSDOT - BUREAU OF BRIDGES
Owner/operator address:	2 RECTOR ST NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 788-1814
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	NYSDOT - CONTRACT BRC253A
Classification:	Not a generator, verified

Date form received by agency:	03/24/1998
Facility name:	NYSDOT - CONTRACT BRC253A
Site name:	NYC DEPT OF TRANS
Classification:	Large Quantity Generator

Date form received by agency:	03/01/1996
Facility name:	NYSDOT - CONTRACT BRC253A
Site name:	WILLIAMSBURG BRIDGE
Classification:	Large Quantity Generator

Date form received by agency:	03/04/1994
Facility name:	NYSDOT - CONTRACT BRC253A
Site name:	WILLIAMSBURG BRIDGE - NYC DOT

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Classification: Large Quantity Generator

Date form received by agency: 10/17/1991
Facility name: NYSDOT - CONTRACT BRC253A
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110000810533

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD987005980
Country: USA
Mailing Name: NYCDOT
Mailing Contact: TONY WILLIAMS
Mailing Address: 2 RECTOR ST
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10006
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-788-1756

Document ID: MIA2772341
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: T143AYOHI
Trans2 State ID: Not reported
Generator Ship Date: 921028
Trans1 Recv Date: 921028
Trans2 Recv Date: Not reported
TSD Site Recv Date: 921104
Part A Recv Date: 921117
Part B Recv Date: 930107
Generator EPA ID: NYD986973691
Trans1 EPA ID: OHD982061350
Trans2 EPA ID: Not reported
TSDF ID: MID096963194
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 08500
Units: P - Pounds
Number of Containers: 023
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Year: 92

Document ID: MIA2772422
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 97101WNY
Trans2 State ID: Not reported
Generator Ship Date: 921217
Trans1 Recv Date: 921217
Trans2 Recv Date: Not reported
TSD Site Recv Date: 921228
Part A Recv Date: 930115
Part B Recv Date: 930115
Generator EPA ID: NYD986973691
Trans1 EPA ID: NYD046765574
Trans2 EPA ID: Not reported
TSDF ID: MID096963194
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 07400
Units: P - Pounds
Number of Containers: 035
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 92

Document ID: NYB5392467
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: OH064
Trans2 State ID: Not reported
Generator Ship Date: 950413
Trans1 Recv Date: 950413
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950417
Part A Recv Date: 950425
Part B Recv Date: 950512
Generator EPA ID: NYD986973691
Trans1 EPA ID: OHD068913409
Trans2 EPA ID: Not reported
TSDF ID: OHD055522429
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 52880
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 95

Document ID: PAE4240106
Manifest Status: Completed copy
Trans1 State ID: PAAH0317
Trans2 State ID: Not reported
Generator Ship Date: 950524
Trans1 Recv Date: 950524

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950524
Part A Recv Date:	950607
Part B Recv Date:	950606
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	PAD982661381
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	46200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NYB5392143
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	OH064
Trans2 State ID:	Not reported
Generator Ship Date:	950413
Trans1 Recv Date:	950413
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950417
Part A Recv Date:	950425
Part B Recv Date:	950512
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD068913409
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	42700
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NYB5392341
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	OH067
Trans2 State ID:	Not reported
Generator Ship Date:	950413
Trans1 Recv Date:	950413
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950417
Part A Recv Date:	950425
Part B Recv Date:	950512
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD986974780
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Quantity:	42500
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	PAE4139671
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0317
Trans2 State ID:	Not reported
Generator Ship Date:	950524
Trans1 Recv Date:	950524
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950525
Part A Recv Date:	950607
Part B Recv Date:	950606
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	PAD982661381
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	60880
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	PAE4139693
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0317
Trans2 State ID:	Not reported
Generator Ship Date:	950524
Trans1 Recv Date:	950524
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950525
Part A Recv Date:	950607
Part B Recv Date:	950606
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	PAD982661381
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	58020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Document ID:	NYB5392134
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	OH064
Trans2 State ID:	Not reported
Generator Ship Date:	950413
Trans1 Recv Date:	950413
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950417
Part A Recv Date:	950425
Part B Recv Date:	950512
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD068913409
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	55980
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	PAE4139656
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0317
Trans2 State ID:	Not reported
Generator Ship Date:	950525
Trans1 Recv Date:	950525
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950526
Part A Recv Date:	950607
Part B Recv Date:	950609
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	PAD982661381
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	12360
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NYB5355648
Manifest Status:	Completed copy
Trans1 State ID:	OH003
Trans2 State ID:	Not reported
Generator Ship Date:	950420
Trans1 Recv Date:	950420
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950421
Part A Recv Date:	950428

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Part B Recv Date:	950512
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD982061350
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	45880
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NJA2185487
Manifest Status:	Completed copy
Trans1 State ID:	S2265
Trans2 State ID:	Not reported
Generator Ship Date:	951114
Trans1 Recv Date:	951114
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951114
Part A Recv Date:	951205
Part B Recv Date:	951130
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NJA2172522
Manifest Status:	Completed copy
Trans1 State ID:	S5811
Trans2 State ID:	Not reported
Generator Ship Date:	950914
Trans1 Recv Date:	950914
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950914
Part A Recv Date:	951004
Part B Recv Date:	951003
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Quantity:	06000
Units:	P - Pounds
Number of Containers:	012

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NJA2729154
Manifest Status: Completed copy
Trans1 State ID: 58424
Trans2 State ID: Not reported
Generator Ship Date: 970320
Trans1 Recv Date: 970320
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970320
Part A Recv Date: 970327
Part B Recv Date: 970402
Generator EPA ID: NYD986973691
Trans1 EPA ID: NYD046765574
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 10800
Units: P - Pounds
Number of Containers: 036
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: MIA2772123
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 9710WNY
Trans2 State ID: Not reported
Generator Ship Date: 920916
Trans1 Recv Date: 920916
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920921
Part A Recv Date: Not reported
Part B Recv Date: 921008
Generator EPA ID: NYD986973691
Trans1 EPA ID: NYD046765574
Trans2 EPA ID: Not reported
TSDF ID: MID096963194
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 03550
Units: P - Pounds
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 92

Document ID: MIA2772336
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 97101WNY

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Trans2 State ID:	Not reported
Generator Ship Date:	921124
Trans1 Recv Date:	921124
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921201
Part A Recv Date:	921208
Part B Recv Date:	921221
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	06000
Units:	P - Pounds
Number of Containers:	016
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	MIA2772192
Manifest Status:	Completed copy
Trans1 State ID:	97101WNY
Trans2 State ID:	Not reported
Generator Ship Date:	921014
Trans1 Recv Date:	921014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921019
Part A Recv Date:	921117
Part B Recv Date:	921030
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	05175
Units:	P - Pounds
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	MIA3005850
Manifest Status:	Completed copy
Trans1 State ID:	3758A5
Trans2 State ID:	Not reported
Generator Ship Date:	930409
Trans1 Recv Date:	930409
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930413
Part A Recv Date:	930420
Part B Recv Date:	930427
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	08000
Units:	P - Pounds
Number of Containers:	031
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	93

Document ID:	MIA4133659
Manifest Status:	Completed copy
Trans1 State ID:	3718A5NY
Trans2 State ID:	Not reported
Generator Ship Date:	950505
Trans1 Recv Date:	950505
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950508
Part A Recv Date:	950516
Part B Recv Date:	950519
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00009
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	MIA3014483
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	950316
Trans1 Recv Date:	950316
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950320
Part A Recv Date:	950323
Part B Recv Date:	950405
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	10900
Units:	P - Pounds
Number of Containers:	047
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Year: 95

Click this hyperlink while viewing on your computer to access
166 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID:	NYD986973691
Country:	USA
Mailing Name:	NYCDOT
Mailing Contact:	LOU COMUNELLI
Mailing Address:	2 RECTOR ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10006
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-788-1756

Document ID:	MIA2772341
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	T143AYOHI
Trans2 State ID:	Not reported
Generator Ship Date:	921028
Trans1 Recv Date:	921028
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921104
Part A Recv Date:	921117
Part B Recv Date:	930107
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD982061350
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	08500
Units:	P - Pounds
Number of Containers:	023
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	MIA2772422
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	97101WNY
Trans2 State ID:	Not reported
Generator Ship Date:	921217
Trans1 Recv Date:	921217
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921228
Part A Recv Date:	930115
Part B Recv Date:	930115
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	07400
Units:	P - Pounds
Number of Containers:	035
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	NYB5392467
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	OH064
Trans2 State ID:	Not reported
Generator Ship Date:	950413
Trans1 Recv Date:	950413
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950417
Part A Recv Date:	950425
Part B Recv Date:	950512
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD068913409
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	52880
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	PAE4240106
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0317
Trans2 State ID:	Not reported
Generator Ship Date:	950524
Trans1 Recv Date:	950524
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950524
Part A Recv Date:	950607
Part B Recv Date:	950606
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	PAD982661381
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	46200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Document ID:	NYB5392143
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	OH064
Trans2 State ID:	Not reported
Generator Ship Date:	950413
Trans1 Recv Date:	950413
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950417
Part A Recv Date:	950425
Part B Recv Date:	950512
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD068913409
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	42700
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NYB5392341
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	OH067
Trans2 State ID:	Not reported
Generator Ship Date:	950413
Trans1 Recv Date:	950413
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950417
Part A Recv Date:	950425
Part B Recv Date:	950512
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD986974780
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	42500
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	PAE4139671
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0317
Trans2 State ID:	Not reported
Generator Ship Date:	950524
Trans1 Recv Date:	950524
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950525
Part A Recv Date:	950607

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Part B Recv Date:	950606
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	PAD982661381
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	60880
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	PAE4139693
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0317
Trans2 State ID:	Not reported
Generator Ship Date:	950524
Trans1 Recv Date:	950524
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950525
Part A Recv Date:	950607
Part B Recv Date:	950606
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	PAD982661381
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	58020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NYB5392134
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	OH064
Trans2 State ID:	Not reported
Generator Ship Date:	950413
Trans1 Recv Date:	950413
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950417
Part A Recv Date:	950425
Part B Recv Date:	950512
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD068913409
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	55980
Units:	P - Pounds
Number of Containers:	001

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	PAE4139656
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0317
Trans2 State ID:	Not reported
Generator Ship Date:	950525
Trans1 Recv Date:	950525
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950526
Part A Recv Date:	950607
Part B Recv Date:	950609
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	PAD982661381
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	12360
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NYB5355648
Manifest Status:	Completed copy
Trans1 State ID:	OH003
Trans2 State ID:	Not reported
Generator Ship Date:	950420
Trans1 Recv Date:	950420
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950421
Part A Recv Date:	950428
Part B Recv Date:	950512
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	OHD982061350
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	45880
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NJA2185487
Manifest Status:	Completed copy
Trans1 State ID:	S2265

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Trans2 State ID:	Not reported
Generator Ship Date:	951114
Trans1 Recv Date:	951114
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951114
Part A Recv Date:	951205
Part B Recv Date:	951130
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	NJA2172522
Manifest Status:	Completed copy
Trans1 State ID:	S5811
Trans2 State ID:	Not reported
Generator Ship Date:	950914
Trans1 Recv Date:	950914
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950914
Part A Recv Date:	951004
Part B Recv Date:	951003
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Quantity:	06000
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NJA2729154
Manifest Status:	Completed copy
Trans1 State ID:	58424
Trans2 State ID:	Not reported
Generator Ship Date:	970320
Trans1 Recv Date:	970320
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970320
Part A Recv Date:	970327
Part B Recv Date:	970402
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	10800
Units:	P - Pounds
Number of Containers:	036
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	97

Document ID:	MIA2772123
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	9710WNY
Trans2 State ID:	Not reported
Generator Ship Date:	920916
Trans1 Recv Date:	920916
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920921
Part A Recv Date:	Not reported
Part B Recv Date:	921008
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03550
Units:	P - Pounds
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	MIA2772336
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	97101WNY
Trans2 State ID:	Not reported
Generator Ship Date:	921124
Trans1 Recv Date:	921124
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921201
Part A Recv Date:	921208
Part B Recv Date:	921221
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	06000
Units:	P - Pounds
Number of Containers:	016
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Year: 92

Document ID: MIA2772192
Manifest Status: Completed copy
Trans1 State ID: 97101WNY
Trans2 State ID: Not reported
Generator Ship Date: 921014
Trans1 Recv Date: 921014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 921019
Part A Recv Date: 921117
Part B Recv Date: 921030
Generator EPA ID: NYD986973691
Trans1 EPA ID: NYD046765574
Trans2 EPA ID: Not reported
TSDF ID: MID096963194
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 05175
Units: P - Pounds
Number of Containers: 011
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 92

Document ID: MIA3005850
Manifest Status: Completed copy
Trans1 State ID: 3758A5
Trans2 State ID: Not reported
Generator Ship Date: 930409
Trans1 Recv Date: 930409
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930413
Part A Recv Date: 930420
Part B Recv Date: 930427
Generator EPA ID: NYD986973691
Trans1 EPA ID: NYD046765574
Trans2 EPA ID: Not reported
TSDF ID: MID096963194
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 08000
Units: P - Pounds
Number of Containers: 031
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 93

Document ID: MIA4133659
Manifest Status: Completed copy
Trans1 State ID: 3718A5NY
Trans2 State ID: Not reported
Generator Ship Date: 950505
Trans1 Recv Date: 950505

NYSDOT - CONTRACT BRC253A (Continued) **1000554880**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950508
Part A Recv Date:	950516
Part B Recv Date:	950519
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00009
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Document ID:	MIA3014483
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	950316
Trans1 Recv Date:	950316
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950320
Part A Recv Date:	950323
Part B Recv Date:	950405
Generator EPA ID:	NYD986973691
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	10900
Units:	P - Pounds
Number of Containers:	047
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

Click this hyperlink while viewing on your computer to access
166 additional NY_MANIFEST: record(s) in the EDR Site Report.

Z102 **SPECTRONICS ELECTROPLATING CORP** **RCRA NonGen / NLR** **1000871601**
NNW **66 S 2ND ST** **FINDS** **NY0000075317**
1/8-1/4 **BROOKLYN, NY 11211** **NY MANIFEST**
0.149 mi.
789 ft. **Site 1 of 4 in cluster Z**

Relative:
Lower

Actual:
39 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SPECTRONICS ELECTROPLATING CORP
Facility address:	66 S 2ND ST BROOKLYN, NY 112115121
EPA ID:	NY0000075317
Mailing address:	S 2ND ST BROOKLYN, NY 11211

SPECTRONICS ELECTROPLATING CORP (Continued) **1000871601**

Contact: Not reported
Contact address: S 2ND ST
BROOKLYN, NY 11211
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: SAMUEL WILLIAMS
Owner/operator address: 66 S 2ND ST
BROOKLYN, NY 11211
Owner/operator country: US
Owner/operator telephone: (718) 599-1447
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SAMUEL WILLIAMS
Owner/operator address: 66 S 2ND ST
BROOKLYN, NY 11211
Owner/operator country: US
Owner/operator telephone: (718) 599-1447
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SPECTRONICS ELECTROPLATING CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: SPECTRONICS ELECTROPLATING CORP

SPECTRONICS ELECTROPLATING CORP (Continued) **1000871601**

Classification: Not a generator, verified

Date form received by agency: 12/07/1993
Facility name: SPECTRONICS ELECTROPLATING CORP
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/03/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004310219

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NY0000075317
Country: USA
Mailing Name: SPECTRONIC ELECTROPLATING
Mailing Contact: SPECTRONIC ELECTROPLATING
Mailing Address: 87-83 39TH ST
Mailing Address 2: Not reported
Mailing City: JAMAICA
Mailing State: NY
Mailing Zip: 11435
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
No Manifest Records Available

W103 **EDR US Hist Cleaners** **1015043753**
ENE **326 BEDFORD AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11249**
0.149 mi.
789 ft. **Site 2 of 2 in cluster W**

Relative:
Higher

Actual:
52 ft.

EDR Historical Cleaners:
Name: 326 BEDFORD AVE CLEANERS INC
Year: 2001
Address: 326 BEDFORD AVE

Name: B & R LAUNDROMAT

(Continued) **1015043753**

Year: 2002
Address: 326 BEDFORD AVE

Name: 326 BEDFORD AVE CLEANERS INC
Year: 2002
Address: 326 BEDFORD AVE

Name: 326 BEDFORD AVE CLEANERS INC
Year: 2007
Address: 326 BEDFORD AVE

Name: 326 BEDFORD AVE CLEANERS INC
Year: 2008
Address: 326 BEDFORD AVE

Name: 326 BEDFORD AVENUE CLEANERS
Year: 2010
Address: 326 BEDFORD AVE

Name: 326 BEDFORD AVE CLEANERS INC
Year: 2011
Address: 326 BEDFORD AVE

Name: 326 BEDFORD AVE CLEANERS INC
Year: 2012
Address: 326 BEDFORD AVE

V104 **KARL & GAIL INC** **RCRA NonGen / NLR** **1000912303**
SW **60 BROADWAY - 5TH FLOOR W** **NY MANIFEST** **NY0000590703**
1/8-1/4 **BROOKLYN, NY 11211**
0.150 mi.
793 ft. **Site 3 of 7 in cluster V**

Relative:
Lower

Actual:
32 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: KARL & GAIL INC
Facility address: 60 BROADWAY - 5TH FLOOR W
BROOKLYN, NY 11211
EPA ID: NY0000590703
Mailing address: BROADWAY - 5TH FLOOR W
BROOKLYN, NY 11211
Contact: Not reported
Contact address: BROADWAY - 5TH FLOOR W
BROOKLYN, NY 11211
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: KARL GODBER
Owner/operator address: 60 BROADWAY - 5TH FLOOR W
BROOKLYN, NY 11211
Owner/operator country: US

KARL & GAIL INC (Continued) **1000912303**

Owner/operator telephone: (718) 388-3568
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: KARL GODBER
Owner/operator address: 60 BROADWAY - 5TH FLOOR W
BROOKLYN, NY 11211
Owner/operator country: US
Owner/operator telephone: (718) 388-3568
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: KARL & GAIL INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: KARL & GAIL INC
Classification: Not a generator, verified

Date form received by agency: 08/16/1994
Facility name: KARL & GAIL INC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/03/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

NY MANIFEST:

KARL & GAIL INC (Continued) **1000912303**

EPA ID:	NY0000590703
Country:	USA
Mailing Name:	EARL & GAIL
Mailing Contact:	EARL & GAIL
Mailing Address:	60 BROADWAY 5TH FL WEST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-388-3668

Document ID:	NJA1926087
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	940927
Trans1 Recv Date:	940927
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940930
Part A Recv Date:	941007
Part B Recv Date:	941013
Generator EPA ID:	NY0000590703
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00884
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

V105 **EASTERN SILVER CO INC** **RCRA NonGen / NLR** **1004755566**
SW **60 BROADWAY - 2ND FLOOR** **FINDS** **NY0000090738**
1/8-1/4 **BROOKLYN, NY 11211**
0.150 mi.
793 ft. **Site 4 of 7 in cluster V**

Relative:
Lower

Actual:
32 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	EASTERN SILVER CO INC
Facility address:	60 BROADWAY - 2ND FLOOR BROOKLYN, NY 11211
EPA ID:	NY0000090738
Mailing address:	CANAL ST NEW YORK, NY 10002
Contact:	JOSEPH GELBSTEN
Contact address:	CANAL ST NEW YORK, NY 10002
Contact country:	US
Contact telephone:	(718) 782-7590
Contact email:	Not reported
EPA Region:	02

EASTERN SILVER CO INC (Continued) **1004755566**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: EASTERN SILVER CO INC
Owner/operator address: 54 CANAL ST
NEW YORK, NY 10002
Owner/operator country: US
Owner/operator telephone: (212) 226-5708
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EASTERN SILVER CO INC
Owner/operator address: 54 CANAL ST
NEW YORK, NY 10002
Owner/operator country: US
Owner/operator telephone: (212) 226-5708
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: EASTERN SILVER CO INC
Classification: Not a generator, verified

Date form received by agency: 12/20/1993
Facility name: EASTERN SILVER CO INC
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004310843

EASTERN SILVER CO INC (Continued) **1004755566**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

V106 **EDR US Hist Cleaners** **1015078809**
SW **60 BROADWAY** **N/A**
1/8-1/4 **BROOKLYN, NY 11249**
0.150 mi.
793 ft. **Site 5 of 7 in cluster V**

Relative:
Lower

Actual:
32 ft.

EDR Historical Cleaners:

Name:	GRETSCH CLEANERS
Year:	2011
Address:	60 BROADWAY
Name:	GRETSCH CLEANERS
Year:	2012
Address:	60 BROADWAY

V107 **EASTERN SILVER CO INC** **CT MANIFEST** **S109781431**
SW **60 BROADWAY - 2ND FLOOR** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.150 mi.
793 ft. **Site 6 of 7 in cluster V**

Relative:
Lower

Actual:
32 ft.

CT MANIFEST:

Waste:

Manifest No:	CTF0547338
Waste Occurence:	1
UNNA:	1680
Hazard Class:	6.1
US Dot Description:	WASTE SILVER CYANIDE SOLUTION
No of Containers:	003
Container Type:	DF
Quantity:	150
Weight/Volume:	G
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTF0547338
Waste Occurence:	1
EPA Waste Code:	F007
Recycled Waste?:	F
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

EASTERN SILVER CO INC (Continued) **S109781431**

Detail:

Year:	1999
Manifest ID:	CTF0547338
TSDF EPA ID:	CTD981205271
TSDF Name:	HANDY AND HARMAN REFINNING GROUP
TSDF Address:	300 RYE ST.
TSDF City,St,Zip:	SOUTH WINDSOR, CT 06074
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	1/29/1999
Transporter EPA ID:	CTR000004481
Transporter Name:	SOUTH WINDSOR METALLURGICAL INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NY0000090738
Generator Phone:	7187827590
Generator Mailing Addr:	60 BROADWAY - 2ND FLOOR
Generator Mailing Town:	BROOKLYN
Generator Mailing State:	NY
Generator Mailing Zip:	11211
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	1/29/1999
Date Received:	2/1/1999
Last modified date:	4/26/2004
Last modified by:	IG
Comments:	Not reported

Waste:

Manifest No:	CTF0224771
Waste Occurence:	1
UNNA:	2922
Hazard Class:	8
US Dot Description:	WASTE CORROSIVE LIQUID POISONOUS
No of Containers:	002
Container Type:	DF
Quantity:	110
Weight/Volume:	G
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTF0224771
Waste Occurence:	1
EPA Waste Code:	D003

EASTERN SILVER CO INC (Continued) **S109781431**

Recycled Waste?: F
Date Record Was Last Modified: 4/26/2004
DEO Who Last Modified Record: IG

Detail:

Year:	1994
Manifest ID:	CTF0224771
TSDF EPA ID:	CTD981205271
TSDF Name:	SOUTH WINDSOR METALLURGICAL (HANDY & HARMON)
TSDF Address:	300 RYE ST
TSDF City,St,Zip:	SOUTH WINDSOR, CT 06074
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	1/6/1994
Transporter EPA ID:	CTD981069099
Transporter Name:	L P M TRUCKING CORPORATION
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	1/7/1994
Trans 2 EPA ID:	CTD981069099
Trans 2 Name:	L P M TRUCKING CORPORATION
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NY0000090738
Generator Phone:	7187827590
Generator Mailing Addr:	60 BROADWAY - 2ND FLOOR
Generator Mailing Town:	BROOKLYN
Generator Mailing State:	NY
Generator Mailing Zip:	11211
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	1/6/1994
Date Received:	1/7/1994
Last modified date:	4/26/2004
Last modified by:	IG
Comments:	Not reported

V108 **EASTERN SILVER CO** **NY HIST UST** **U000397977**
SW **60 BROADWAY** **NY AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211** **NY MANIFEST**
0.150 mi.
793 ft. **Site 7 of 7 in cluster V**

Relative:
Lower

Actual:
32 ft.

HIST UST:

PBS Number:	2-095788
SPDES Number:	Not reported
Emergency Contact:	WILLIE MCKINNIES
Emergency Telephone:	(718) 346-9511
Operator:	WILLIAM L. CLAUSS
Operator Telephone:	(718) 388-7703
Owner Name:	GRETSCH BUILDING NO 4 INC
Owner Address:	60 BROADWAY, 6TH FLOOR
Owner City,St,Zip:	BROOKLYN, NY 11211

EASTERN SILVER CO (Continued) **U000397977**

Owner Telephone:	(718) 388-7703
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	GRETSCH BUILDING NO 4 INC
Mailing Address:	60 BROADWAY, 6TH FLOOR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	Not reported
Mailing Telephone:	(718) 388-7703
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	60 BROADWAY
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/16/1998
Expiration Date:	02/03/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	19000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	19561201
Capacity (gals):	9500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported

EASTERN SILVER CO (Continued) **U000397977**

Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	19561201
Capacity (gals):	9500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-095788
Program Type:	PBS
UTM X:	587321.22881999996
UTM Y:	4507127.6612999998
Expiration Date:	N/A

Affiliation Records:

Site Id:	2673
Affiliation Type:	Facility Owner
Company Name:	THE CLASSON REALTY LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	8313 BAY PARKWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11214
Country Code:	001
Phone:	(718) 236-9300

EASTERN SILVER CO (Continued) **U000397977**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	2673
Affiliation Type:	Mail Contact
Company Name:	THE CLASSON REALTY LLC
Contact Type:	Not reported
Contact Name:	EDWARD WYDRA
Address1:	8313 BAY PARKWAY
Address2:	LOWER LEVEL
City:	BROOKLYN
State:	NY
Zip Code:	11214
Country Code:	001
Phone:	(718) 236-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	2673
Affiliation Type:	On-Site Operator
Company Name:	60 BROADWAY
Contact Type:	Not reported
Contact Name:	SOLOMON PERLMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 236-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	2673
Affiliation Type:	Emergency Contact
Company Name:	THE CLASSON REALTY LLC
Contact Type:	Not reported
Contact Name:	SOLOMON PERLMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 939-6401
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

EASTERN SILVER CO (Continued) **U000397977**

Tank Info:

Tank Number:	001
Tank Id:	10074
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	12/01/1956
Capacity Gallons:	9500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/15/2002
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Tank Number:	002
Tank Id:	10075
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	12/01/1956
Capacity Gallons:	9500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

EASTERN SILVER CO (Continued) **U000397977**

Date Tank Closed:	12/15/2002
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

NY MANIFEST:

EPA ID:	NY0000090738
Country:	USA
Mailing Name:	EASTERN SILVER CO
Mailing Contact:	MORRIS GOLDSTEIN
Mailing Address:	60 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-782-7590

NY MANIFEST:

No Manifest Records Available

AA109 **154-156 SOUTH 3RD STREET** **NY AST** **U003394665**
East **154-156 SOUTH 3RD STREET** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.153 mi.
806 ft. **Site 1 of 2 in cluster AA**

Relative:
Higher

Actual:
51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-467111
Program Type:	PBS
UTM X:	587734.34247000003
UTM Y:	4507309.18243
Expiration Date:	1994/02/15

Affiliation Records:

Site Id:	20303
Affiliation Type:	On-Site Operator
Company Name:	154-156 SOUTH 3RD STREET
Contact Type:	Not reported
Contact Name:	NYC HOUSING PRESERV& DEVEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 806-8565
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20303

154-156 SOUTH 3RD STREET (Continued) **U003394665**

Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING PRESERV & DEVEL
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	2089-2091 ARTHUR AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10457
Country Code:	001
Phone:	(718) 295-2178
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/19/2012

Site Id:	20303
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING PRESERV & DEVEL
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	2089-2091 ARTHUR AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10457
Country Code:	001
Phone:	(718) 295-2178
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/19/2012

Site Id:	20303
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING PRESERV & DEVEL
Contact Type:	Not reported
Contact Name:	LEE KERBEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 636-3015
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	36980
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

154-156 SOUTH 3RD STREET (Continued) **U003394665**

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-467111
SWIS Code:	6101
Operator:	NYC HOUSING PRESERV& DEVEL
Facility Phone:	(212) 806-8565
Facility Addr2:	154 SOUTH 3RD STREET
Facility Type:	Not reported
Emergency:	LEE KERBEL
Emergency Tel:	(718) 636-3015
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYC HOUSING PRESERV & DEVEL
Owner Address:	75 MAIDEN LANE
Owner City,St,Zip:	NEW YORK, NY 10038
Federal ID:	Not reported
Owner Tel:	(212) 806-8565
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	NYC HOUSING PRESERV & DEVEL
Mailing Address:	75 MAIDEN LANE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10038
Mailing Telephone:	(212) 806-8565
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	02/15/1989
Expiration:	02/15/1994

154-156 SOUTH 3RD STREET (Continued) **U003394665**

Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

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110 SSE 1/8-1/4 0.156 mi. 824 ft. | **CK INVESTORS 395 BEDFORD AVENUE BROOKLYN, NY 11211** | **NY AST** | **A100300734 N/A**

Relative: Lower

Actual: 43 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-267260
Program Type:	PBS
UTM X:	587550.03818999999
UTM Y:	4507099.1992899999
Expiration Date:	N/A

Affiliation Records:

CK INVESTORS (Continued) **A100300734**

Site Id:	11083
Affiliation Type:	Facility Owner
Company Name:	CK INVESTORS
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	138 BROADWAY, BROOKLYN
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 963-3050
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	11083
Affiliation Type:	Mail Contact
Company Name:	CK INVESTORS
Contact Type:	Not reported
Contact Name:	PHILIP CHONG
Address1:	138 BROADWAY, BROOKLYN
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 963-3050
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	11083
Affiliation Type:	On-Site Operator
Company Name:	CK INVESTORS
Contact Type:	Not reported
Contact Name:	CK INVESTORS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3050
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	11083
Affiliation Type:	Emergency Contact
Company Name:	CK INVESTORS
Contact Type:	Not reported
Contact Name:	ERIC CHONG
Address1:	Not reported

CK INVESTORS (Continued) **A100300734**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3050
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	18257
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	I04 - Overfill - Product Level Gauge (A/G)
	H00 - Tank Leak Detection - None
	B00 - Tank External Protection - None
	G00 - Tank Secondary Containment - None
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J02 - Dispenser - Suction Dispenser
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	06/01/2001
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Z111 **POLICE CARS UNLIMITED INC** **NY SWF/LF** **S108146064**
NNW **60 SOUTH 2ND STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.157 mi.
831 ft. **Site 2 of 4 in cluster Z**

Relative:
Lower

Actual:
36 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported

POLICE CARS UNLIMITED INC (Continued) **S108146064**

Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Vehicle Dismantling
Activity Number:	Not reported
Active:	No
East Coordinate:	587371
North Coordinate:	4507552
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported

Z112 **EDR US Hist Auto Stat** **1015438063**
North **342 WYTHE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.158 mi.
836 ft. **Site 3 of 4 in cluster Z**

Relative:
Lower

Actual:
41 ft.

EDR Historical Auto Stations:

Name:	LINDO AUTO REPAIR
Year:	1999
Address:	342 WYTHE AVE
Name:	LINDO AUTO REPAIR
Year:	2000
Address:	342 WYTHE AVE
Name:	LINDO AUTO REPAIR
Year:	2001
Address:	342 WYTHE AVE

AA113 **160-SOUTH 3 ASSOC.** **NY AST** **A100291557**
East **160 SOUTH 3RD STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.165 mi.
869 ft. **Site 2 of 2 in cluster AA**

Relative:
Higher

Actual:
51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608773
Program Type:	PBS
UTM X:	587718.78491000005
UTM Y:	4507314.5604400001
Expiration Date:	2013/04/03

Affiliation Records:

Site Id:	30624

160-SOUTH 3 ASSOC. (Continued) **A100291557**

Affiliation Type:	Facility Owner
Company Name:	160-SOUTH 3 ASSOC.
Contact Type:	PARTNER
Contact Name:	FIMA IVASILEVICH
Address1:	82-A PARKWAY CT.
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11235
Country Code:	001
Phone:	(718) 648-3421
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	1/24/2008

Site Id:	30624
Affiliation Type:	Mail Contact
Company Name:	160-SOUTH 3 ST
Contact Type:	Not reported
Contact Name:	FINA & ANNA IVASILEVICH
Address1:	82A PARKWAY COURT
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11235
Country Code:	001
Phone:	(718) 648-3421
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30624
Affiliation Type:	On-Site Operator
Company Name:	160-SOUTH 3 ASSOC.
Contact Type:	Not reported
Contact Name:	FINA IVASILEVICH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 648-3421
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30624
Affiliation Type:	Emergency Contact
Company Name:	160-SOUTH 3 ASSOC.
Contact Type:	Not reported
Contact Name:	FINA IVASILEVICH
Address1:	Not reported
Address2:	Not reported

160-SOUTH 3 ASSOC. (Continued) **A100291557**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 648-3421
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	65629
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
I05 - Overfill - Vent Whistle

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1970
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	msbaptis
Last Modified:	01/24/2008

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114 West 1/8-1/4 0.165 mi. 872 ft.

CONSOLIDATED EDISON
351 KENT AVE - MH12597
BROOKLYN, NY 11202

NY MANIFEST **S110045845**
N/A

Relative: Lower

Actual: 18 ft.

NY MANIFEST:

EPA ID:	NYP004183893
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK

CONSOLIDATED EDISON (Continued) **S110045845**

Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	2009-07-24
Trans1 Recv Date:	2009-07-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-07-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004183893
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	50.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000894730GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	2009-07-24
Trans1 Recv Date:	2009-07-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-07-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004183893
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105

CONSOLIDATED EDISON (Continued) **S110045845**

Waste Code:	Not reported
Quantity:	50.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000894730GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Z115 **LEXA METAL CORP** **RCRA NonGen / NLR** **1000556203**
North **303 WYTHE AVE** **FINDS** **NYD986987626**
1/8-1/4 **BROOKLYN, NY 11211**
0.166 mi.
876 ft. **Site 4 of 4 in cluster Z**

Relative:
Lower

Actual:
42 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	LEXA METAL CORP
Facility address:	303 WYTHE AVE BROOKLYN, NY 11211
EPA ID:	NYD986987626
Contact:	Not reported
Contact address:	Not reported NY
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NON-NOTIFIER
Owner/operator address:	UNKNOWN UNKNOWN, NY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NON-NOTIFIER
Owner/operator address:	UNKNOWN

LEXA METAL CORP (Continued) **1000556203**

UNKNOWN, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: LEXA METAL CORP
Classification: Not a generator, verified

Date form received by agency: 02/03/1992
Facility name: LEXA METAL CORP
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 02/04/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004483470

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

116 SW 1/8-1/4 0.167 mi. 881 ft. | **NYCDOT 413 WYETH AVE**
WILLIAMSBURG BRIDGE
NEW YORK, NY 11211 | **RCRA-CESQG**
FINDS
NY MANIFEST | **1001968881**
NYR000080606

Relative: Lower

Actual: 30 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	NYCDOT 413 WYETH AVE
Facility address:	WILLIAMSBURG BRIDGE NEW YORK, NY 11211
EPA ID:	NYR000080606
Mailing address:	RECTOR ST NEW YORK, NY 10006
Contact:	ALEX BEZCUASTNOV
Contact address:	RECTOR ST NEW YORK, NY 10006
Contact country:	US
Contact telephone:	(212) 788-2091
Contact email:	ABEZCUASTNOV@NYCDOT
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYCDOT
Owner/operator address:	RECTOR ST NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported
Owner/operator name:	NYCDOT
Owner/operator address:	2 RECTOR ST NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 788-1814
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NYCDOT

NYCDOT 413 WYETH AVE (Continued) **1001968881**

Owner/operator address: RECTOR ST
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 12/31/1979
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCDOT 413 WYETH AVE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/25/2004
Facility name: NYCDOT 413 WYETH AVE
Classification: Large Quantity Generator

Date form received by agency: 01/29/2002
Facility name: NYCDOT 413 WYETH AVE
Site name: NEW YORK CITY-DEPARMENT OF TRANS
Classification: Large Quantity Generator

Date form received by agency: 03/27/2000
Facility name: NYCDOT 413 WYETH AVE
Site name: NYCDOT CONTRACT BRC253C
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110004558461

Environmental Interest/Information System

NYCDOT 413 WYETH AVE (Continued) **1001968881**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:

EPA ID:	NYR000080606
Country:	USA
Mailing Name:	NYCDOT
Mailing Contact:	NYCDOT
Mailing Address:	49 SO. 2ND ST. 3RD FLOOR
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

Document ID:	NJA3292597
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	07/06/2001
Trans1 Recv Date:	07/06/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/09/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S8424X
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00500
Units:	P - Pounds
Number of Containers:	025
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3277139
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	09/05/2001
Trans1 Recv Date:	09/05/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/05/2001

NYCDOT 413 WYETH AVE (Continued) **1001968881**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	06993
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	10500
Units:	P - Pounds
Number of Containers:	021
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3261530
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	05/29/2001
Trans1 Recv Date:	05/29/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/29/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	06993
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	37360
Units:	P - Pounds
Number of Containers:	056
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3262732
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	04/19/2001
Trans1 Recv Date:	04/19/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/19/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	06993
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	36740
Units:	P - Pounds

NYCDOT 413 WYETH AVE (Continued) **1001968881**

Number of Containers:	053
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3262739
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	04/23/2001
Trans1 Recv Date:	04/23/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/23/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	06993
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	37500
Units:	P - Pounds
Number of Containers:	059
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3262759
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	04/05/2001
Trans1 Recv Date:	04/05/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/05/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	06993
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	28040
Units:	P - Pounds
Number of Containers:	057
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3262777
Manifest Status:	Not reported

NYCDOT 413 WYETH AVE (Continued) **1001968881**

Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	04/06/2001
Trans1 Recv Date:	04/06/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/06/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	06993
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	25000
Units:	P - Pounds
Number of Containers:	050
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3189433
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	04/13/2001
Trans1 Recv Date:	04/13/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/13/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	09780
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3189434
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	04/26/2001
Trans1 Recv Date:	04/26/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/27/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606

NYCDOT 413 WYETH AVE (Continued) **1001968881**

Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S8424
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	06340
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3189435
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	05/02/2001
Trans1 Recv Date:	05/02/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/02/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	087144
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04880
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA3189436
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	05/17/2001
Trans1 Recv Date:	05/17/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/17/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	06993
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04160
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.

NYCDOT 413 WYETH AVE (Continued) **1001968881**

Specific Gravity: 01.00
Year: 2001

Document ID: NJA3286151
Manifest Status: Not reported
Trans1 State ID: NJD980772768
Trans2 State ID: Not reported
Generator Ship Date: 06/28/2001
Trans1 Recv Date: 06/28/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/28/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000080606
Trans1 EPA ID: NJD991291105
Trans2 EPA ID: Not reported
TSDF ID: 06993
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 27640
Units: P - Pounds
Number of Containers: 037
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NJA3206451
Manifest Status: Not reported
Trans1 State ID: NYD046765574
Trans2 State ID: Not reported
Generator Ship Date: 02/12/2001
Trans1 Recv Date: 02/12/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/12/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000080606
Trans1 EPA ID: NJD991291105
Trans2 EPA ID: Not reported
TSDF ID: S8424
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 05400
Units: P - Pounds
Number of Containers: 018
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NJA3189307
Manifest Status: Not reported
Trans1 State ID: NJD054126164
Trans2 State ID: Not reported
Generator Ship Date: 10/02/2000

NYCDOT 413 WYETH AVE (Continued) **1001968881**

Trans1 Recv Date:	10/02/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/02/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S2265
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	37600
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA3189308
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	10/02/2000
Trans1 Recv Date:	10/02/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/03/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	05226S
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	44320
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA3189309
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	11/07/2000
Trans1 Recv Date:	11/07/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/07/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S2265

NYCDOT 413 WYETH AVE (Continued) **1001968881**

Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	40160
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA3189310
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	11/14/2000
Trans1 Recv Date:	11/14/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S2265
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	32440
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA3189311
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	12/05/2000
Trans1 Recv Date:	12/05/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/05/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S2265
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	32720
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

NYCDOT 413 WYETH AVE (Continued) **1001968881**

Document ID:	NJA3189312
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	12/05/2000
Trans1 Recv Date:	12/05/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/05/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S2265
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	48160
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA3189313
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	12/11/2000
Trans1 Recv Date:	12/11/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/11/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000080606
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S2265
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	06840
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Click this hyperlink while viewing on your computer to access
126 additional NY_MANIFEST: record(s) in the EDR Site Report.

117 NNE 1/8-1/4 0.173 mi. 913 ft. | **SOUTH FIRST REALTY CORP.**
90 SOUTH FIRST STREET
BROOKLYN, NY 11211 | **NY AST** | **S107781256**
NY HIST AST | **N/A**

Relative: Higher

Actual: 45 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-117129
Program Type:	PBS
UTM X:	587562.89890000003
UTM Y:	4507570.5251000002
Expiration Date:	N/A

Affiliation Records:

Site Id:	3976
Affiliation Type:	Facility Owner
Company Name:	SOUTH FIRST REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	50 WALLABOUT STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 797-0505
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3976
Affiliation Type:	Mail Contact
Company Name:	SOUTH FIRST REALTY CORP.
Contact Type:	Not reported
Contact Name:	BEN SCHLESINGER
Address1:	50 WALLABOUT STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 797-0505
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3976
Affiliation Type:	On-Site Operator
Company Name:	SOUTH FIRST REALTY CORP.
Contact Type:	Not reported
Contact Name:	BEN SCHLESINGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

SOUTH FIRST REALTY CORP. (Continued) **S107781256**

Zip Code:	Not reported
Country Code:	001
Phone:	(718) 797-0505
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3976
Affiliation Type:	Emergency Contact
Company Name:	SOUTH FIRST REALTY CORP.
Contact Type:	Not reported
Contact Name:	BEN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 797-0505
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	7908
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	C01 - Pipe Location - Aboveground
	H00 - Tank Leak Detection - None
	F00 - Pipe External Protection - None
	I04 - Overfill - Product Level Gauge (A/G)
	A00 - Tank Internal Protection - None
	B99 - Tank External Protection - Other
	D02 - Pipe Type - Galvanized Steel
	J02 - Dispenser - Suction Dispenser
	G00 - Tank Secondary Containment - None
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

SOUTH FIRST REALTY CORP. (Continued) **S107781256**

HIST AST:

PBS Number:	2-117129
SWIS Code:	6101
Operator:	BEN SCHLESINGER
Facility Phone:	(718) 797-0505
Facility Addr2:	90 SO 1 ST
Facility Type:	OTHER
Emergency:	BEN
Emergency Tel:	(718) 797-0505
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	SOUTH FIRST REALTY CORP.
Owner Address:	50 WALLABOUT STREET
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 797-0505
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	BEN SCHLESINGER
Mailing Name:	SOUTH FIRST REALTY CORP.
Mailing Address:	50 WALLABOUT STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 797-0505
Owner Mark:	Second Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Certification Flag:	False
Certification Date:	Not reported
Expiration:	12/13/2005
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	9
Pipe Location:	Aboveground
Pipe Type:	GALVANIZED STEEL

SOUTH FIRST REALTY CORP. (Continued) **S107781256**

Pipe Internal:	Not reported
Pipe External:	0
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

118
NNE
1/8-1/4
0.173 mi.
914 ft.

G & S DESIGNS, INC.
314-326 WYTHE AVE.
BROOKLYN, NY 11211

NY HIST UST **U001329614**
NY AST **N/A**

Relative:
Higher

Actual:
47 ft.

HIST UST:

PBS Number:	2-600877
SPDES Number:	Not reported
Emergency Contact:	J. GORLICK
Emergency Telephone:	(516) 741-3845
Operator:	J. GORLICK
Operator Telephone:	(718) 388-8580
Owner Name:	JEFFREY GORLICK
Owner Address:	314-326 WYTHE AVE.
Owner City,St,Zip:	BROOKLYN, NY 11211
Owner Telephone:	(718) 388-8580
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	G & S DESIGNS, INC.
Mailing Address:	314-326 WYTHE AVE.
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	JEFFREY GORLICK
Mailing Telephone:	(718) 388-8580
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	314 WYTHE AVE.
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/31/1997
Expiration Date:	08/11/2002
Renew Flag:	False
Renewal Date:	Not reported

G & S DESIGNS, INC. (Continued) **U001329614**

Total Capacity:	2500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	19810901
Capacity (gals):	2500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Vent Whistle
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-600877
Program Type:	PBS
UTM X:	587484.05399000004
UTM Y:	4507667.3899100004
Expiration Date:	N/A

Affiliation Records:

Site Id:	22849
Affiliation Type:	Facility Owner
Company Name:	JEFFREY GORLICK
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	115 SOUTH FIRST STREET
Address2:	Not reported
City:	BROOKLYN

G & S DESIGNS, INC. (Continued) **U001329614**

State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 218-6618
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22849
Affiliation Type:	Mail Contact
Company Name:	JEFFREY GORLICK
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	115 SOUTH 1ST STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 218-6618
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22849
Affiliation Type:	On-Site Operator
Company Name:	G & S DESIGNS, INC.
Contact Type:	Not reported
Contact Name:	JEFFREY GORLICK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-8580
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22849
Affiliation Type:	Emergency Contact
Company Name:	JEFFREY GORLICK
Contact Type:	Not reported
Contact Name:	JEFFREY GORLICK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 741-3845
EMail:	Not reported
Fax Number:	Not reported

G & S DESIGNS, INC. (Continued) **U001329614**

Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank Id: 44200
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 09/01/1981
Capacity Gallons: 2500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 01/01/1998
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

AB119 **DOMINO SUGAR** **NY Spills** **S104495376**
NNW **49 SOUTH 2ND STREET** **NY CBS** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.175 mi.
923 ft. **Site 1 of 5 in cluster AB**

Relative:
Lower

Actual:
28 ft.

SPILLS:

Facility ID: 9401105
DER Facility ID: 280856
Facility Type: ER
Site ID: 173546
DEC Region: 2
Spill Date: 4/22/1994
Spill Number/Closed Date: 9401105 / 4/22/1994
Spill Cause: Human Error
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 2401
Investigator: SMMARTIN
Referred To: Not reported
Reported to Dept: 4/22/1994
CID: Not reported
Water Affected: EXIT RIVER

DOMINO SUGAR (Continued) **S104495376**

Spill Source:	Railroad Car
Spill Notifier:	Affected Persons
Cleanup Ceased:	4/22/1994
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/27/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	POPI BULK CARGO VESSEL
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	HEIST SLIPPED

Material:

Site ID:	173546
Operable Unit ID:	994939
Operable Unit:	01
Material ID:	384874
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9108256
DER Facility ID:	280856
Facility Type:	ER
Site ID:	298365
DEC Region:	2
Spill Date:	11/1/1991
Spill Number/Closed Date:	9108256 / 10/31/1991
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	11/1/1991
CID:	Not reported
Water Affected:	EAST RIVER
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	10/31/1991

DOMINO SUGAR (Continued) **S104495376**

Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/12/1991
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG" / / : SINCE PROBLEM IS MORE PRONOUNCED DURING HIGH TIDE, CAUSE IS ATTRIBUTED TO GABAGE AND OIL CONTAMINATED DEBRIS BEING THROWN INTO RIVER. 10/10/95: This is additional information about material spilled from the translation of the old spill file: OIL SHEEN.
Remarks:	INTERMITTENT. NOTICED AT RIVER DOCK SITE, AT HIGH TIDE. MAY BE COMING FROM UNDER DOCK.

Material:

Site ID:	298365
Operable Unit ID:	962423
Operable Unit:	01
Material ID:	420418
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9008607
DER Facility ID:	280856
Facility Type:	ER
Site ID:	73689
DEC Region:	2
Spill Date:	10/22/1990
Spill Number/Closed Date:	9008607 / 11/15/1994
Spill Cause:	Housekeeping
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	11/6/1990
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal

DOMINO SUGAR (Continued) **S104495376**

Spill Notifier:	Responsible Party
Cleanup Ceased:	11/15/1994
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/7/1990
Spill Record Last Update:	11/15/1994
Spiller Name:	Not reported
Spiller Company:	AMSTAR SUGAR CORP
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	CONTAINED INSIDE BLDGS, DEC (SIGONA) INVESTIGATED. SPILL IN BASEMENT SEVERAL HUNDRED GALLONS. FOLLOWUP INSPECTIONS REVEALED THAT CLEANUP WAS PROPERLY IMPLEMENTED AS PER DEC ORDERS.

Material:

Site ID:	73689
Operable Unit ID:	945800
Operable Unit:	01
Material ID:	432414
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9207634
DER Facility ID:	280856
Facility Type:	ER
Site ID:	73690
DEC Region:	2
Spill Date:	10/1/1992
Spill Number/Closed Date:	9207634 / 12/30/2002
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SJMILLER
Referred To:	Not reported
Reported to Dept:	10/1/1992
CID:	Not reported
Water Affected:	EAST RIVER
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party

DOMINO SUGAR (Continued) **S104495376**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/2/1992
Spill Record Last Update:	12/30/2002
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"THIS IS AN MOSF FACILITY.
Remarks:	NOTICED OIL IN RIVER AND THEN IN TRENCH DURING OFF LOADING OPERATIONS 2/3 TO 3/4 IS CONTAINED AND PETRO TANK CLEANERS HAVE BEEN NOTIFIED FOR CLEANUP 718-624-4842 ISAAC WILL NOTIFY USCA & NYC DEP

Material:

Site ID:	73690
Operable Unit ID:	974452
Operable Unit:	01
Material ID:	408261
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	42
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

CBS:

CBS Number:	2-000194
Program Type:	CBS
Facility Status:	Unregulated
Expiration Date:	N/A
Dec Region:	2
UTMX:	587341.70233
UTMY:	4507585.5581900

AB120 **TATE & LYLE NORTH AMERICAN SUGAR INC.-BR** **NY MOSF UST** **1003881565**
NNW **49 SOUTH SECOND STREET** **N/A**
1/8-1/4 **NEW YORK, NY 11211**
0.175 mi.
923 ft. **Site 2 of 5 in cluster AB**

Relative:
Lower

Actual:
28 ft.

MOSF UST:

Id/Status:	2-2440 / ACTIVE FACILITY
SWIS Code:	61
Facility Town:	BROOKLYN
Contact Phone:	(718) 387-6800
Emerg Contact:	LAEL J. PAULSON
Emergency Telephone:	(718) 387-6800
CBS Number:	2-000194
SPDES Num:	0-008443
Total Tanks:	6
Total Capacity:	402608
Avg Throughput:	0
License Stat:	1
Facility Type:	APARTMENT BUILDING
Prod Xfer Options:	Tank Truck
Expiration Date:	03/31/2006
Applic Rcvd:	01/05/2001
Operator:	MICHAEL TODD
Owner Name:	TATE & LYLE NORTH AMERICAN SUGARS INC.
Owner Address:	49 SOUTH 2ND STREET
Owner City,St,Zip:	BROOKLYN, NY 11211-
Owner Telephone:	(718) 387-6800
Owner Type:	Corporate/Commercial
Owner Status:	1
Owner Mark:	First Owner
Mail To Name:	TATE & LYLE NORTH AMERICAN SUGARS INC.
Mail To Address:	49 SOUTH 2 STREET
Mail To Address 2:	Not reported
Mail City,St,Zip:	BROOKLYN, NY 11211-5187
Mail To Contact:	MICHAEL TODD
Mail To Telephone:	(718) 387-6800
Legal Agent Name:	C.T. CORPORATION SYSTEM
Legal Agent Address:	1633 BROADWAY
Legal Agent City,St,Zip:	NEW YORK, NY 10017-
Date Filed:	08/87
Tank ID:	001
Tank Location:	UNDERGROUND
Install Date:	01/50
Capacity (Gal):	200754
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	Other
Overfill Protection:	None
Dispenser:	Suction

TATE & LYLE NORTH AMERICAN SUGAR INC.-BR (Continued) **1003881565**

Test Date:	Not reported
Date Closed:	Not reported
Latitude:	40|42|52
Longitude:	73|58|07
Status of Data:	Complete
Inspected Date:	03/09/1998
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/2001
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	11/27/2000
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	002
Tank Location:	UNDERGROUND
Install Date:	01/50
Capacity (Gal):	200754
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	Other
Overfill Protection:	None
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Latitude:	40|42|52
Longitude:	73|58|07
Status of Data:	Complete
Inspected Date:	03/09/1998
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/2001
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	11/27/2000
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	D003
Tank Location:	UNDERGROUND
Install Date:	01/50
Capacity (Gal):	2888
Product:	NOS 1,2, OR 4 FUEL OIL
Tank Status:	In Service

TATE & LYLE NORTH AMERICAN SUGAR INC.-BR (Continued) **1003881565**

Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	Other
Overfill Protection:	None
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	UNKWN
Latitude:	40|42|52
Longitude:	73|58|07
Status of Data:	Complete
Inspected Date:	03/09/1998
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/2001
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	11/27/2000
Federal Id No:	Not reported
COI Date:	/ /

AB121 **TATE & LYLE NORTH AMERICAN SUGAR INC.-BR** **NY MOSF AST** **S104491021**
NNW **49 SOUTH SECOND STREET** **N/A**
1/8-1/4 **NEW YORK, NY 11211**
0.175 mi.
923 ft. **Site 3 of 5 in cluster AB**

Relative:
Lower

Actual:
28 ft.

MOSF AST:

MOSF Number:	2-2440
SWIS Code:	61
Facility Town:	BROOKLYN
Facility Phone:	(718) 387-6800
Emergency Contact Name:	LAEL J. PAULSON
Emergency Contact Phone:	(718) 387-6800
Total Tanks:	6
Total Capacity:	402608
Daily Throughput:	0
License Status:	1
Facility Type:	APARTMENT BUILDING
Product Transfer Operation:	Tank Truck
Facility Status:	ACTIVE FACILITY
Operator Name:	MICHAEL TODD
Owner Name:	TATE & LYLE NORTH AMERICAN SUGARS INC.
Owner Address:	49 SOUTH 2ND STREET
Owner City,St,Zip:	BROOKLYN, NY 11211-
Owner Phone:	(718) 387-6800
Owner Type:	Corporate/Commercial
Owner Status:	1
Owner Mark:	First Owner
Mailing Name:	TATE & LYLE NORTH AMERICAN SUGARS INC.
Mailing Address:	49 SOUTH 2 STREET
Mailing Address 2:	Not reported

TATE & LYLE NORTH AMERICAN SUGAR INC.-BR (Continued) **S104491021**

Mailing City,St,Zip:	BROOKLYN, NY 11211-5187
Mailing Contact:	MICHAEL TODD
Mailing Phone:	(718) 387-6800
Legal Agent Name:	C.T. CORPORATION SYSTEM
Legal Agent Address:	1633 BROADWAY
Legal Agent City,St,Zip:	NEW YORK, NY 10017-
LIC Expires:	03/31/2006

Tank ID:	006
Tank Location:	ABOVEGROUND
Install Date:	01/79
Product:	NOS 1,2, OR 4 FUEL OIL
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	8
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Dispensing Mthd:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Status of Data:	Complete
Capacity (gal):	275
Lat/Long:	40|42|52 / 73|58|07
Federal ID:	Not reported
Inspected Date:	03/09/1998
Inspector:	AS
Renew Date:	11/27/2000
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/2001
Date License Application Received:	01/05/2001
Chemical Bulk Storage Number:	2-000194
Pollution Discharge Elimination System Num:	0-008443
Date Legal Agent Filed with Secretary of State:	08/87

Tank ID:	003
Tank Location:	ABOVEGROUND
Install Date:	05/87
Product:	NOS 1,2, OR 4 FUEL OIL
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	1
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None

TATE & LYLE NORTH AMERICAN SUGAR INC.-BR (Continued) **S104491021**

Pipe External:	None
Second Contain:	8
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Dispensing Mthd:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Status of Data:	Complete
Capacity (gal):	275
Lat/Long:	40|42|52 / 73|58|07
Federal ID:	Not reported
Inspected Date:	03/09/1998
Inspector:	AS
Renew Date:	11/27/2000
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/2001
Date License Application Received:	01/05/2001
Chemical Bulk Storage Number:	2-000194
Pollution Discharge Elimination System Num:	0-008443
Date Legal Agent Filed with Secretary of State:	08/87

Tank ID:	004
Tank Location:	ABOVEGROUND
Install Date:	02/87
Product:	UNKNOWN
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	1
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	8
Leak Detection:	None
Overfill Protection:	None
Dispensing Mthd:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Status of Data:	Complete
Capacity (gal):	275
Lat/Long:	40|42|52 / 73|58|07
Federal ID:	Not reported
Inspected Date:	03/09/1998
Inspector:	AS
Renew Date:	11/27/2000
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service

TATE & LYLE NORTH AMERICAN SUGAR INC.-BR (Continued) **S104491021**

COI Date:	/ /
Date License Issued:	04/01/2001
Date License Application Received:	01/05/2001
Chemical Bulk Storage Number:	2-000194
Pollution Discharge Elimination System Num:	0-008443
Date Legal Agent Filed with Secretary of State:	08/87

Tank ID:	005
Tank Location:	ABOVEGROUND
Install Date:	02/87
Product:	UNKNOWN
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	1
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	8
Leak Detection:	None
Overfill Protection:	None
Dispensing Mthd:	Suction
Test Date:	Not reported
Date Closed:	Not reported
Status of Data:	Complete
Capacity (gal):	275
Lat/Long:	40|42|52 / 73|58|07
Federal ID:	Not reported
Inspected Date:	03/09/1998
Inspector:	AS
Renew Date:	11/27/2000
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/2001
Date License Application Received:	01/05/2001
Chemical Bulk Storage Number:	2-000194
Pollution Discharge Elimination System Num:	0-008443
Date Legal Agent Filed with Secretary of State:	08/87

AB122 **DOMINO SUGAR CORP** **RCRA NonGen / NLR** **1000333136**
NNW **49 S SECOND ST** **FINDS** **NYD001287945**
1/8-1/4 **BROOKLYN, NY 11211** **NY MANIFEST**
0.175 mi.
923 ft. **Site 4 of 5 in cluster AB**

Relative:
Lower

Actual:
28 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	DOMINO SUGAR CORP
Facility address:	49 S SECOND ST BROOKLYN, NY 112115187
EPA ID:	NYD001287945
Mailing address:	S SECOND ST

DOMINO SUGAR CORP (Continued) **1000333136**

	BROOKLYN, NY 112115187
Contact:	DAVID DEMONE
Contact address:	S SECOND ST
	BROOKLYN, NY 112115187
Contact country:	US
Contact telephone:	(718) 387-6800
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DOMINO SUGAR CORP
Owner/operator address:	1114 AVE OF THE AMERICAS
	NEW YORK, NY 10036
Owner/operator country:	US
Owner/operator telephone:	(212) 789-9700
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	DOMINO SUGAR CORP
Owner/operator address:	1114 AVE OF THE AMERICAS
	NEW YORK, NY 10036
Owner/operator country:	US
Owner/operator telephone:	(212) 789-9700
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	DOMINO SUGAR CORP
Classification:	Not a generator, verified

Date form received by agency:	04/22/1992

DOMINO SUGAR CORP (Continued) **1000333136**

Facility name: DOMINO SUGAR CORP
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/29/1984
Date achieved compliance: 06/07/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/28/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/19/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/07/1985
Evaluation lead agency: State

FINDS:

Registry ID: 110012589671

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

DOMINO SUGAR CORP (Continued) **1000333136**

corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD001287945
Country:	USA
Mailing Name:	DOMINO SUGAR CORPORATION
Mailing Contact:	DAVID DEMONE ENV &Q.C.MGR
Mailing Address:	49 SOUTH SECOND STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-387-6800

Document ID:	NYB2406447
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	10249PNY
Generator Ship Date:	920711
Trans1 Recv Date:	920711
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920714
Part A Recv Date:	Not reported
Part B Recv Date:	920811
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	PAD043583848
Waste Code:	B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB
Quantity:	02291
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00015
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01406
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NYB2406420

DOMINO SUGAR CORP (Continued) **1000333136**

Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	637TOD
Trans2 State ID:	Not reported
Generator Ship Date:	920926
Trans1 Recv Date:	920926
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920928
Part A Recv Date:	921104
Part B Recv Date:	921123
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	NJD071629976
Trans2 EPA ID:	Not reported
TSDF ID:	PAD043583848
Waste Code:	B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB
Quantity:	02291
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00100
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01406
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1470907
Manifest Status:	Completed copy
Trans1 State ID:	S10331
Trans2 State ID:	Not reported
Generator Ship Date:	921120
Trans1 Recv Date:	921120
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921120
Part A Recv Date:	Not reported
Part B Recv Date:	921208
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported

DOMINO SUGAR CORP (Continued) **1000333136**

TSDF ID:	NJD089216790
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92

Document ID:	NYC0121836
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900226
Trans1 Recv Date:	900226
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900226
Part A Recv Date:	900315
Part B Recv Date:	900308
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00344
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	PAO4777625
Manifest Status:	Completed copy
Trans1 State ID:	AH0154
Trans2 State ID:	Not reported
Generator Ship Date:	830317
Trans1 Recv Date:	830317
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830317
Part A Recv Date:	030401
Part B Recv Date:	030401
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	PAD980550479
Trans2 EPA ID:	Not reported
TSDF ID:	PAD980550479
Waste Code:	U146 - LEAD SUBACETATE
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83

DOMINO SUGAR CORP (Continued) **1000333136**

Document ID:	PAB0677213
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PA-AH0154
Trans2 State ID:	PA-AH
Generator Ship Date:	850103
Trans1 Recv Date:	850103
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	850103
Part A Recv Date:	850111
Part B Recv Date:	850220
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	PAD980550479
Trans2 EPA ID:	Not reported
TSDF ID:	PAD980550479
Waste Code:	U146 - LEAD SUBACETATE
Quantity:	00900
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	85

Document ID:	NJA2768538
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEP5016
Trans2 State ID:	Not reported
Generator Ship Date:	970819
Trans1 Recv Date:	970819
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970825
Part A Recv Date:	970909
Part B Recv Date:	970916
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	NJD080631369
Trans2 EPA ID:	Not reported
TSDF ID:	NJD980536593
Waste Code:	F003 - UNKNOWN
Quantity:	00180
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00120
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00480
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)

DOMINO SUGAR CORP (Continued) **1000333136**

Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NJA3249633
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	11/26/2001
Trans1 Recv Date:	11/26/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/26/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	NJD980536593
Trans2 EPA ID:	Not reported
TSDF ID:	NJDEP5016
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00050
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00025
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYB4632993
Manifest Status:	Completed copy
Trans1 State ID:	10222PNY
Trans2 State ID:	Not reported
Generator Ship Date:	920922
Trans1 Recv Date:	920922
Trans2 Recv Date:	Not reported

DOMINO SUGAR CORP (Continued) **1000333136**

TSD Site Recv Date:	920929
Part A Recv Date:	Not reported
Part B Recv Date:	921008
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92

Document ID:	NJA1975569
Manifest Status:	Completed copy
Trans1 State ID:	S50059
Trans2 State ID:	Not reported
Generator Ship Date:	950619
Trans1 Recv Date:	950619
Trans2 Recv Date:	950620
TSD Site Recv Date:	950620
Part A Recv Date:	950628
Part B Recv Date:	950629
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	NJD986607380
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	PAO3818916
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	AH0154
Trans2 State ID:	Not reported
Generator Ship Date:	840125
Trans1 Recv Date:	840125
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840125
Part A Recv Date:	840308

DOMINO SUGAR CORP (Continued) **1000333136**

Part B Recv Date:	840207
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	PAD980550479
Trans2 EPA ID:	Not reported
TSDF ID:	PAD980550479
Waste Code:	U146 - LEAD SUBACETATE
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	84

Document ID:	NYA9798849
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891227
Trans1 Recv Date:	891227
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891227
Part A Recv Date:	900108
Part B Recv Date:	900103
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00303
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NJA3187612
Manifest Status:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	02/16/2001
Trans1 Recv Date:	02/16/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/16/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	NJD980536593
Trans2 EPA ID:	Not reported
TSDF ID:	NJDEP5016
Waste Code:	F003 - UNKNOWN
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001

DOMINO SUGAR CORP (Continued) **1000333136**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Quantity:	00025
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	01200
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYC0216224
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900416
Trans1 Recv Date:	900416
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900416
Part A Recv Date:	900517
Part B Recv Date:	900502
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00086
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA1399851
Manifest Status:	Completed copy
Trans1 State ID:	S10331
Trans2 State ID:	Not reported
Generator Ship Date:	920922
Trans1 Recv Date:	920922

DOMINO SUGAR CORP (Continued) **1000333136**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920922
Part A Recv Date:	920930
Part B Recv Date:	920930
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00096
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92

Document ID:	NJA1399758
Manifest Status:	Completed copy
Trans1 State ID:	510331
Trans2 State ID:	Not reported
Generator Ship Date:	920817
Trans1 Recv Date:	920817
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920818
Part A Recv Date:	Not reported
Part B Recv Date:	920827
Generator EPA ID:	NYD001287945

DOMINO SUGAR CORP (Continued) **1000333136**

Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	U012 - ANILINE (L)
Quantity:	00014
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92

Document ID:	NJA1399756
Manifest Status:	Completed copy
Trans1 State ID:	S10331
Trans2 State ID:	Not reported
Generator Ship Date:	920817
Trans1 Recv Date:	920817
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920818
Part A Recv Date:	Not reported
Part B Recv Date:	920901
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Quantity:	00019
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00140
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	022
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00014
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00010

DOMINO SUGAR CORP (Continued) **1000333136**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00010
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1399757
Manifest Status:	Completed copy
Trans1 State ID:	S10331
Trans2 State ID:	Not reported
Generator Ship Date:	920817
Trans1 Recv Date:	920817
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920818
Part A Recv Date:	Not reported
Part B Recv Date:	920901
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	U146 - LEAD SUBACETATE
Quantity:	00105
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	021
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00080
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00174
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

DOMINO SUGAR CORP (Continued) **1000333136**

Waste Code:	Not reported
Quantity:	00123
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	011
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00168
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	014
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00142
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	011
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1399757
Manifest Status:	Completed copy
Trans1 State ID:	S10331
Trans2 State ID:	Not reported
Generator Ship Date:	920817
Trans1 Recv Date:	920817
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920818
Part A Recv Date:	Not reported
Part B Recv Date:	920901
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	U213 - TETRAHYDROFURAN (L)
Quantity:	00105
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	011
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00108
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	008
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	MAK7304070
Manifest Status:	Not reported

DOMINO SUGAR CORP (Continued) **1000333136**

Trans1 State ID:	MAD985290469
Trans2 State ID:	Not reported
Generator Ship Date:	11/16/1998
Trans1 Recv Date:	11/16/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/08/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001287945
Trans1 EPA ID:	MA5000004713
Trans2 EPA ID:	Not reported
TSDF ID:	MA094
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00525
Units:	P - Pounds
Number of Containers:	040
Container Type:	CW - Wooden boxes
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	98

Click this hyperlink while viewing on your computer to access
19 additional NY_MANIFEST: record(s) in the EDR Site Report.

AB123 **DOMINO SUGAR CORP.-BROOKLYN REFINERY** **NY CBS AST** **S102141735**
NNW **49 SOUTH 2ND STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.175 mi.
923 ft. **Site 5 of 5 in cluster AB**

Relative:
Lower

Actual:
28 ft.

CBS AST:

CBS Number:	2-000194
ICS Number:	2-177752
PBS Number:	Not reported
MOSF Number:	2-2440
SPDES Number:	0-008443
Facility Status:	ACTIVE FACILITY
Facility Type:	MANUFACTURING
Telephone:	(718) 387-6800
Facility Town:	NEW YORK CITY
Region:	STATE
Expiration Date:	01/19/2000
Total Capacity of All Active Tanks(gal):	0
Operator:	LAEL J. PAULSON
Emergency Contact:	LAEL PAULSON
Emergency Phone:	(718) 387-6807
Owner Name:	TATE & LYLE NORTH AMERICAN SUGARS,INC.
Owner Address:	1114 AVENUE OF THE AMERICAS
Owner City,St,Zip:	NEW YORK, NY 10036
Owner Telephone:	(212) 789-9700
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	TATE & LYLE NORTH AMERICAN SUGARS,INC.
Mail Contact Addr:	49 SOUTH 2 STREET
Mail Contact Addr2:	Not reported
Mail Contact Contact:	LAEL J. PAULSON
Mail Contact City,St,Zip:	BROOKLYN, NY 11211-5187
Mail Phone:	(718) 387-6800

DOMINO SUGAR CORP.-BROOKLYN REFINERY (Continued) **S102141735**

Tank Id:	CAU02
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	0
Install Date:	12/50
Tank Closed:	00/00
Capacity (Gal):	560
Chemical:	Sodium hydroxide
Tank Location:	ABOVEGROUND
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	01/18/1990
Certified Date:	01/23/1998
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	100
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6101
Lat/Long:	40|42|52 / 73|55|07
Is Updated:	False
Renew Date:	10/04/93
Is It There:	False
Delinquent:	False
Date Expired:	01/18/94
Owner Mark:	1
Certificate Needs to be Printed:	40|42|52 / 73|55|07
Fiscal Amt for Registration Fee Correct:	40|42|52 / 73|55|07
Renewal Has Been Printed for Facility:	40|42|52 / 73|55|07
Pre-Printed Renewal App Last Printed:	40|42|52 / 73|55|07

AC124 **H & B PLASTICS PLATING** **RCRA-CESQG** **1000103758**
North **299 WYTHE AVE** **FINDS** **NYD982270597**
1/8-1/4 **BROOKLYN, NY 11211** **NJ MANIFEST**
0.175 mi. **NY MANIFEST**
926 ft. **Site 1 of 2 in cluster AC**

Relative:
Lower

Actual:
42 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	H & B PLASTICS PLATING
Facility address:	299 WYTHE AVE BROOKLYN, NY 11211
EPA ID:	NYD982270597
Mailing address:	WYTHE AVE BROOKLYN, NY 11211
Contact:	Not reported

H & B PLASTICS PLATING (Continued) **1000103758**

Contact address: WYTHE AVE
BROOKLYN, NY 11211
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: H & B PLASTICS PLATING
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: H & B PLASTICS PLATING
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

H & B PLASTICS PLATING (Continued) **1000103758**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: H & B PLASTICS PLATING
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/14/1999
Facility name: H & B PLASTICS PLATING
Classification: Small Quantity Generator

Date form received by agency: 07/06/1987
Facility name: H & B PLASTICS PLATING
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/15/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 12/07/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004417266

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NJ MANIFEST:
Manifest Code: NJA5005906
EPA ID: NYD982270597
Date Shipped: 03/31/2004
TSDF EPA ID: NJR000022442
Transporter EPA ID: NJR000023325
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported

H & B PLASTICS PLATING (Continued) **1000103758**

Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/31/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/01/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04280422
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

NY MANIFEST:

EPA ID:	NYD982270597
Country:	USA
Mailing Name:	H &B PLASTIC
Mailing Contact:	N/S
Mailing Address:	299 WYTHE AVE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211

H & B PLASTICS PLATING (Continued) **1000103758**

Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-486-7530

Document ID:	NJA3268656
Manifest Status:	Not reported
Trans1 State ID:	NJR000023325
Trans2 State ID:	Not reported
Generator Ship Date:	08/02/2001
Trans1 Recv Date:	08/02/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/02/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982270597
Trans1 EPA ID:	NJR000022442
Trans2 EPA ID:	Not reported
TSDF ID:	50163
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	04900
Units:	P - Pounds
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	F009 - UNKNOWN
Quantity:	00700
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYB1362438
Manifest Status:	Completed copy
Trans1 State ID:	CTD980521
Trans2 State ID:	84879CT
Generator Ship Date:	930519
Trans1 Recv Date:	930519
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930520
Part A Recv Date:	Not reported
Part B Recv Date:	930607
Generator EPA ID:	NYD982270597
Trans1 EPA ID:	CTD983872748
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	03175
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

H & B PLASTICS PLATING (Continued) **1000103758**

Year: 93

Document ID: NYA5246748
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: DK9875
Trans2 State ID: Not reported
Generator Ship Date: 880404
Trans1 Recv Date: 880404
Trans2 Recv Date: Not reported
TSD Site Recv Date: 880404
Part A Recv Date: 880512
Part B Recv Date: 880425
Generator EPA ID: NYD982270597
Trans1 EPA ID: NYD000691949
Trans2 EPA ID: Not reported
TSDF ID: NYD000691949
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 01500
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYB2461338
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJXK18WY
Trans2 State ID: Not reported
Generator Ship Date: 910118
Trans1 Recv Date: 910118
Trans2 Recv Date: Not reported
TSD Site Recv Date: 910118
Part A Recv Date: 910409
Part B Recv Date: 910208
Generator EPA ID: NYD982270597
Trans1 EPA ID: NYD000691949
Trans2 EPA ID: Not reported
TSDF ID: NYD000691949
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00900
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 91

Document ID: NYG0851004
Manifest Status: Not reported
Trans1 State ID: NY0000260828
Trans2 State ID: Not reported
Generator Ship Date: 01/13/1998
Trans1 Recv Date: 01/13/1998

H & B PLASTICS PLATING (Continued) **1000103758**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/14/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982270597
Trans1 EPA ID:	CDD980756415
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	04000
Units:	P - Pounds
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	98

Document ID:	NYB7286967
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	RH84762
Trans2 State ID:	Not reported
Generator Ship Date:	961202
Trans1 Recv Date:	961202
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961203
Part A Recv Date:	Not reported
Part B Recv Date:	961224
Generator EPA ID:	NYD982270597
Trans1 EPA ID:	NY0000260828
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	03600
Units:	P - Pounds
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYB5010354
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	941117
Trans1 Recv Date:	941117
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	941118
Part A Recv Date:	Not reported
Part B Recv Date:	941205
Generator EPA ID:	NYD982270597
Trans1 EPA ID:	NYD980762140
Trans2 EPA ID:	Not reported
TSDF ID:	CDD980756415
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER

H & B PLASTICS PLATING (Continued) **1000103758**

Quantity:	01287
Units:	P - Pounds
Number of Containers:	008
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	94

Document ID:	NJA5005906
Manifest Status:	Not reported
Trans1 State ID:	50163
Trans2 State ID:	Not reported
Generator Ship Date:	03/31/2004
Trans1 Recv Date:	03/31/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/01/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982270597
Trans1 EPA ID:	NJR000023325
Trans2 EPA ID:	Not reported
TSDF ID:	NJR000022
Waste Code:	D010 - SELENIUM 1.0 MG/L TCLP
Quantity:	01000
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	2004

AC125 **EDR US Hist Cleaners** **1015036665**
North **299 WYTHE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.175 mi.
926 ft. **Site 2 of 2 in cluster AC**

Relative:
Lower

Actual:
42 ft.

EDR Historical Cleaners:

Name:	P & P LAUNDROMAT
Year:	2007
Address:	299 WYTHE AVE

Name:	P & P LAUNDROMAT
Year:	2008
Address:	299 WYTHE AVE

AD126 **GEORGE WANAT** **NY AST** **U003395783**
NE **314 BEDFORD AVE** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.176 mi.
927 ft. **Site 1 of 3 in cluster AD**

Relative:
Higher

Actual:
50 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600888
Program Type:	PBS
UTM X:	587720.09852
UTM Y:	4507469.0189699996
Expiration Date:	2017/09/24

Affiliation Records:

Site Id:	22859
Affiliation Type:	Mail Contact
Company Name:	GEORGE WANAT
Contact Type:	Not reported
Contact Name:	GEORGE WANAT
Address1:	114 BEDFORD AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22859
Affiliation Type:	On-Site Operator
Company Name:	GEORGE WANAT
Contact Type:	Not reported
Contact Name:	NONE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22859
Affiliation Type:	Emergency Contact
Company Name:	GEORGE WANAT
Contact Type:	Not reported
Contact Name:	NONE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

GEORGE WANAT (Continued) **U003395783**

Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22859
Affiliation Type:	Facility Owner
Company Name:	GEORGE WANAT
Contact Type:	OWNER
Contact Name:	GEORGE WANAT
Address1:	114 BEDFORD AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/11/2008

Tank Info:

Tank Number:	1
Tank Id:	44319
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A99 - Tank Internal Protection - Other
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I00 - Overfill - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
K00 - Spill Prevention - None
B05 - Tank External Protection - Jacketed
L00 - Piping Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/01/1972
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True

GEORGE WANAT (Continued) **U003395783**

Modified By: KAKYER
Last Modified: 09/27/2012

HIST AST:

PBS Number:	2-600888
SWIS Code:	6101
Operator:	NONE
Facility Phone:	(718) 963-3650
Facility Addr2:	314 BEDFORD AVE
Facility Type:	APARTMENT BUILDING
Emergency:	NONE
Emergency Tel:	(718) 963-3650
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	GEORGE WANAT
Owner Address:	114 BEDFORD AVENUE
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 963-3650
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	GEORGE WANAT
Mailing Name:	GEORGE WANAT
Mailing Address:	114 BEDFORD AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 963-3650
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/03/1997
Expiration:	09/24/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	1
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel

GEORGE WANAT (Continued) **U003395783**

Tank Internal:	9
Tank External:	05
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Other
Pipe External:	01
Tank Containment:	Not reported
Leak Detection:	Not reported
Overfill Protection:	Not reported
Dispenser Method:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

AE127 **NEW DIAZ CLEANERS** **RCRA NonGen / NLR** **1004760010**
ESE **788 DRIGGS AVE** **FINDS** **NYR000029298**
1/8-1/4 **BROOKLYN, NY 11211**
0.177 mi.
934 ft. **Site 1 of 5 in cluster AE**

Relative:
Higher

Actual:
49 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NEW DIAZ CLEANERS
Facility address:	788 DRIGGS AVE BROOKLYN, NY 11211
EPA ID:	NYR000029298
Mailing address:	DRIGGS AVE BROOKLYN, NY 11211
Contact:	FRANCISCO VEMTURA
Contact address:	DRIGGS AVE BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	(718) 963-4648
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	RAFAEL DIAZ
Owner/operator address:	788 DRIGGS AVE BROOKLYN, NY 11211
Owner/operator country:	US
Owner/operator telephone:	(718) 963-4648
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	RAFAEL DIAZ
Owner/operator address:	788 DRIGGS AVE

NEW DIAZ CLEANERS (Continued) **1004760010**

BROOKLYN, NY 11211
Owner/operator country: US
Owner/operator telephone: (718) 963-4648
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NEW DIAZ CLEANERS
Classification: Not a generator, verified

Date form received by agency: 09/13/1996
Facility name: NEW DIAZ CLEANERS
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004528431

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AE128 **NEW DIAZ CLEANERS** **NY MANIFEST** **S110247412**
ESE **788 DRIGGS AVENUE** **NY DRYCLEANERS** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.177 mi.
934 ft. **Site 2 of 5 in cluster AE**

Relative:
Higher

Actual:
49 ft.

NY MANIFEST:

EPA ID:	NYR000029298
Country:	USA
Mailing Name:	NEW DIAZ CLEANERS
Mailing Contact:	FRANCISCO VEMTURA
Mailing Address:	788 DRIGGS AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-963-4648

NY MANIFEST:

No Manifest Records Available

DRYCLEANERS:

Facility ID:	2-6101-01004
Phone Number:	718-963-4648
Region:	Not reported
Registration Effective Date:	N/A
Inspection Date:	10/23/03
Install Date:	Not reported
Drop Shop:	Y
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	Not reported

AE129 **EDR US Hist Cleaners** **1015095704**
ESE **788 DRIGGS AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.177 mi.
934 ft. **Site 3 of 5 in cluster AE**

Relative:
Higher

Actual:
49 ft.

EDR Historical Cleaners:

Name:	NEW DIAZ CLEANERS
Year:	1999
Address:	788 DRIGGS AVE
Name:	NEW DIAZ CLEANERS
Year:	2000
Address:	788 DRIGGS AVE
Name:	NEW DIAZ CLEANERS
Year:	2001
Address:	788 DRIGGS AVE
Name:	NEW DIAZ CLEANERS
Year:	2002
Address:	788 DRIGGS AVE
Name:	NEW DIAZ CLEANERS

(Continued) **1015095704**

Year: 2005
Address: 788 DRIGGS AVE

Name: NEW DIAZ CLEANERS
Year: 2006
Address: 788 DRIGGS AVE

Name: NEW DIAZ CLEANERS
Year: 2007
Address: 788 DRIGGS AVE

Name: NEW DIAZ CLEANERS
Year: 2008
Address: 788 DRIGGS AVE

Name: NEW DIAZ CLEANERS
Year: 2010
Address: 788 DRIGGS AVE

Name: NEW DIAZ CLEANERS
Year: 2011
Address: 788 DRIGGS AVE

130
SSW
1/8-1/4
0.177 mi.
936 ft.

97 SOUTH 8 STREET
97 SOUTH 8 STREET
BROOKLYN, NY 11211

NY AST **U003394614**
NY HIST AST **N/A**

Relative:
Lower

Actual:
37 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-466573
Program Type: PBS
UTM X: 587425.06198999996
UTM Y: 4507020.8830300001
Expiration Date: 2015/02/03

Affiliation Records:
Site Id: 20256
Affiliation Type: On-Site Operator
Company Name: 97 SOUTH 8 STREET
Contact Type: Not reported
Contact Name: JUAN PEREZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 682-5712
EMail: Not reported
Fax Number: Not reported
Modified By: dxliving
Date Last Modified: 3/28/2008

Site Id: 20256

97 SOUTH 8 STREET (Continued) **U003394614**

Affiliation Type:	Emergency Contact
Company Name:	97 SOUTH 8TH ST., HDFC
Contact Type:	Not reported
Contact Name:	JOSH KOPPEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 543-2800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/28/2008

Site Id:	20256
Affiliation Type:	Facility Owner
Company Name:	97 SOUTH 8TH ST., HDFC
Contact Type:	AGENT
Contact Name:	JOSH KOPPEL
Address1:	97 SOUTH 8TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 543-2800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/28/2008

Site Id:	20256
Affiliation Type:	Mail Contact
Company Name:	HSC MANAGEMENT CORP.
Contact Type:	Not reported
Contact Name:	JOSH KOPPEL
Address1:	850 BRONX RIVER ROAD, SUITE #108
Address2:	Not reported
City:	YONKERS
State:	NY
Zip Code:	10708
Country Code:	001
Phone:	(914) 237-1600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	12/1/2009

Tank Info:

Tank Number:	001
Tank Id:	36902
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

97 SOUTH 8 STREET (Continued) **U003394614**

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/03/1995
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	03/28/2008

HIST AST:

PBS Number:	2-466573
SWIS Code:	6101
Operator:	NYC HOUSING PRESERV & DEVEL
Facility Phone:	(212) 806-8565
Facility Addr2:	97 SOUTH 8 STREET
Facility Type:	Not reported
Emergency:	LEE KERBEL
Emergency Tel:	(718) 836-3015
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYC HOUSING PRESERV & DEVEL
Owner Address:	75 MAIDEN LANE
Owner City,St,Zip:	NEW YORK, NY 10038
Federal ID:	Not reported
Owner Tel:	(212) 806-8565
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	NYC HOUSING PRESERV & DEVEL
Mailing Address:	75 MAIDEN LANE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10038
Mailing Telephone:	(212) 806-8565
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False

97 SOUTH 8 STREET (Continued) **U003394614**

Certification Date:	02/15/1989
Expiration:	02/15/1994
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

AD131 **SOUTH FIRST STREET ASSOCIATES, L.P.** **NY UST** **U004048327**
NE **299 BEDFORD AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.178 mi.
941 ft. **Site 2 of 3 in cluster AD**

Relative:
Higher

Actual:
50 ft.

UST:

Id/Status:	2-608036 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587742.52680999995
UTM Y:	4507585.7354499996

SOUTH FIRST STREET ASSOCIATES, L.P. (Continued) **U004048327**

Affiliation Records:

Site Id:	29888
Affiliation Type:	Facility Owner
Company Name:	SOUTH 1ST STREET ASSOCIATES, LP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	299 BEDFORD AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 765-1651
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29888
Affiliation Type:	Mail Contact
Company Name:	SOUTH 1ST STREET ASSOCIATES, LP
Contact Type:	Not reported
Contact Name:	JOE SCARPINITO
Address1:	6833 SHORE ROAD
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11220
Country Code:	001
Phone:	(718) 765-1651
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29888
Affiliation Type:	On-Site Operator
Company Name:	SOUTH FIRST STREET ASSOCIATES, L.P.
Contact Type:	Not reported
Contact Name:	JOE SCARPINITO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 765-1651
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29888
Affiliation Type:	Emergency Contact
Company Name:	SOUTH 1ST STREET ASSOCIATES, LP
Contact Type:	Not reported
Contact Name:	JOE SCARPINITO

SOUTH FIRST STREET ASSOCIATES, L.P. (Continued) **U004048327**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 930-1630
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	003
Tank ID:	64198
Tank Status:	Closed - Removed
Capacity Gallons:	500
Install Date:	09/01/2002
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None

Tank Number:	004
Tank ID:	64199
Tank Status:	Closed - Removed
Capacity Gallons:	500
Install Date:	09/01/2002
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

SOUTH FIRST STREET ASSOCIATES, L.P. (Continued) **U004048327**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number:	005
Tank ID:	64200
Tank Status:	Closed - Removed
Capacity Gallons:	500
Install Date:	09/01/2002
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number:	006
Tank ID:	64201
Tank Status:	Closed - Removed
Capacity Gallons:	500
Install Date:	09/01/2002
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground

SOUTH FIRST STREET ASSOCIATES, L.P. (Continued) **U004048327**

Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 01
Tank ID: 64196
Tank Status: Closed - Removed
Capacity Gallons: 500
Install Date: 09/01/1902
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number: 02
Tank ID: 64197
Tank Status: Closed - Removed
Capacity Gallons: 500

SOUTH FIRST STREET ASSOCIATES, L.P. (Continued) **U004048327**

Install Date:	09/01/2002
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None

---

132 **EDR US Hist Auto Stat** **1015631929**
North **78 S 1ST ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.178 mi.
942 ft.

Relative:
Lower

Actual:
43 ft.

EDR Historical Auto Stations:

Name:	AMRC UNTD MLTPLX CAR SRVC COR
Year:	2003
Address:	78 S 1ST ST

AF133 **NEW SQUAREREALTY LLC** **NY AST** **A100295244**
WSW **14 DUNHAM PLACE** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.181 mi.
956 ft. **Site 1 of 3 in cluster AF**

Relative:
Lower

Actual:
24 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608490
Program Type:	PBS
UTM X:	587222.24776000006
UTM Y:	4507203.5683800001
Expiration Date:	2014/05/14

Affiliation Records:

Site Id:	30342
Affiliation Type:	On-Site Operator
Company Name:	NEW SQUARE SPORTSWEAR INC.

NEW SQUAREREALTY LLC (Continued) **A100295244**

Contact Type:	Not reported
Contact Name:	JACOB BRULL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 302-8025
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30342
Affiliation Type:	Emergency Contact
Company Name:	NEW SQUARE SPORTSWEAR INC.
Contact Type:	Not reported
Contact Name:	JACOB BRULL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 302-8025
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30342
Affiliation Type:	Facility Owner
Company Name:	NEW SQUARE REALTY LLC
Contact Type:	OWNER
Contact Name:	ERNO JACOB BRULL
Address1:	14 DUNHAM PLACE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 302-8025
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	2/6/2008

Site Id:	30342
Affiliation Type:	Mail Contact
Company Name:	NEW SQUARE REALTY LLC
Contact Type:	Not reported
Contact Name:	JACOB BRULL
Address1:	14 DUNHAM PLACE
Address2:	Not reported
City:	BROOKLYN
State:	NY

NEW SQUAREREALTY LLC (Continued) **A100295244**

Zip Code:	11211
Country Code:	001
Phone:	(718) 302-8025
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/19/2008

Tank Info:

Tank Number:	140
Tank Id:	65244
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1934
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	02/06/2008

AG134 **SOUTHSIDE MANAGEMENT CORP** **NY AST** **A100296085**
ENE **159 SOUTH 2ND STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.181 mi.
958 ft. **Site 1 of 5 in cluster AG**

Relative:
Higher

Actual:
51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608217
Program Type:	PBS
UTM X:	587735.50725000002
UTM Y:	4507422.1166599998
Expiration Date:	2008/02/06

SOUTHSIDE MANAGEMENT CORP (Continued) **A100296085**

Affiliation Records:

Site Id:	30069
Affiliation Type:	Facility Owner
Company Name:	SOUTHSIDE MANAGEMENT CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	207 RICHARDSON STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11222
Country Code:	001
Phone:	(718) 389-7128
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30069
Affiliation Type:	Mail Contact
Company Name:	SOUTHSIDE MANAGEMENT CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	207 RICHARDSON STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11222
Country Code:	001
Phone:	(718) 389-7128
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30069
Affiliation Type:	On-Site Operator
Company Name:	SOUTHSIDE MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	RAY ALLENDA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 389-7128
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30069
Affiliation Type:	Emergency Contact
Company Name:	SOUTHSIDE MANAGEMENT CORP.
Contact Type:	Not reported
Contact Name:	RAY ALLENDA

SOUTHSIDE MANAGEMENT CORP (Continued) **A100296085**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 389-7128
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	64908
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle

Tank Location:	1
Tank Type:	Concrete
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

AH135 **120 SOUTH 8TH STREET** **NY UST** **U004076683**
South **120 SOUTH 8TH STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.182 mi.
960 ft. **Site 1 of 2 in cluster AH**

Relative:
Lower

Actual:
39 ft.

UST:

Id/Status:	2-113964 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587487.80750999996

120 SOUTH 8TH STREET (Continued) **U004076683**

UTM Y: 4507012.0591000002

Affiliation Records:

Site Id: 3698
Affiliation Type: Emergency Contact
Company Name: OLD FULTON LANDING LLC
Contact Type: Not reported
Contact Name: MICHAEL ZAZZA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 643-9082
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 8/22/2006

Site Id: 3698
Affiliation Type: On-Site Operator
Company Name: 120 SOUTH 8TH STREET
Contact Type: Not reported
Contact Name: MICHAEL ZAZZA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 643-9082
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 8/22/2006

Site Id: 3698
Affiliation Type: Facility Owner
Company Name: OLD FULTON LANDING LLC
Contact Type: PRINCIPAL/OWNER
Contact Name: MICHAEL ZAZZA
Address1: 55 WASHINGTON ST, SUITE 706
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11201
Country Code: 001
Phone: (718) 643-9082
EMail: JCELEBRINI@ZAZZAGROUP.COM
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 8/22/2006

Site Id: 3698
Affiliation Type: Mail Contact
Company Name: OLD FULTON LANDING LLC
Contact Type: PRINCIPAL/OWNER

120 SOUTH 8TH STREET (Continued) **U004076683**

Contact Name:	MICHAEL ZAZZA
Address1:	55 WASHINGTON ST, SUITE 706
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201
Country Code:	001
Phone:	(718) 643-9082
EMail:	JCELEBRINI@ZAZZAGROUP.COM
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	8/22/2006

Tank Info:

Tank Number:	001
Tank ID:	4027
Tank Status:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	500
Install Date:	12/01/1955
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H03 - Tank Leak Detection - Vapor Well
I00 - Overfill - None
G03 - Tank Secondary Containment - Vault (w/o access)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser

Tank Number:	002
Tank ID:	4028
Tank Status:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	500
Install Date:	12/01/1955
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

120 SOUTH 8TH STREET (Continued) **U004076683**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H03 - Tank Leak Detection - Vapor Well
I00 - Overfill - None
G03 - Tank Secondary Containment - Vault (w/o access)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser

AH136 **GABILA & SONS MFG INC** **NY HIST UST** **U003074336**
South **120 SO 8TH STREET** **NY AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211** **NY HIST AST**
0.182 mi.
960 ft. **Site 2 of 2 in cluster AH**

Relative:
Lower

Actual:
39 ft.

HIST UST:

PBS Number:	2-113964
SPDES Number:	Not reported
Emergency Contact:	LAWRENCE FRIEDMAN
Emergency Telephone:	(718) 444-4545
Operator:	LAWRENCE FRIEDMAN
Operator Telephone:	(718) 387-0750
Owner Name:	GABILA & SONS MFG INC
Owner Address:	120 SO 8TH STREET
Owner City,St,Zip:	BROOKLYN, NY 11211
Owner Telephone:	(718) 387-0750
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	GABILA & SONS MFG INC
Mailing Address:	120 SO 8TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	MR. LAWRENCE FRIEDMAN
Mailing Telephone:	(718) 387-0750
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	120 SO 8TH STREET
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	True
Certification Date:	Not reported
Expiration Date:	03/24/2007

GABILA & SONS MFG INC (Continued) **U003074336**

Renew Flag:	False
Renewal Date:	20011113
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19551201
Capacity (gals):	500
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	Vapor Well
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19551201
Capacity (gals):	500
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	Vapor Well
Overfill Prot:	Not reported

GABILA & SONS MFG INC (Continued) **U003074336**

Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-113964
Program Type:	PBS
UTM X:	587487.80750999996
UTM Y:	4507012.0591000002
Expiration Date:	N/A

Affiliation Records:

Site Id:	3698
Affiliation Type:	Emergency Contact
Company Name:	OLD FULTON LANDING LLC
Contact Type:	Not reported
Contact Name:	MICHAEL ZAZZA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 643-9082
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	8/22/2006

Site Id:	3698
Affiliation Type:	On-Site Operator
Company Name:	120 SOUTH 8TH STREET
Contact Type:	Not reported
Contact Name:	MICHAEL ZAZZA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 643-9082
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	8/22/2006

Site Id:	3698
Affiliation Type:	Facility Owner

GABILA & SONS MFG INC (Continued) **U003074336**

Company Name:	OLD FULTON LANDING LLC
Contact Type:	PRINCIPAL/OWNER
Contact Name:	MICHAEL ZAZZA
Address1:	55 WASHINGTON ST, SUITE 706
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201
Country Code:	001
Phone:	(718) 643-9082
EMail:	JCELEBRINI@ZAZZAGROUP.COM
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	8/22/2006

Site Id:	3698
Affiliation Type:	Mail Contact
Company Name:	OLD FULTON LANDING LLC
Contact Type:	PRINCIPAL/OWNER
Contact Name:	MICHAEL ZAZZA
Address1:	55 WASHINGTON ST, SUITE 706
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201
Country Code:	001
Phone:	(718) 643-9082
EMail:	JCELEBRINI@ZAZZAGROUP.COM
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	8/22/2006

Tank Info:

Tank Number:	003
Tank Id:	4029
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
F00 - Pipe External Protection - None
C01 - Pipe Location - Aboveground
H99 - Tank Leak Detection - Other
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	12/01/1960
Capacity Gallons:	2000

GABILA & SONS MFG INC (Continued) **U003074336**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/24/2007
Register:	True
Modified By:	NRLOMBAR
Last Modified:	01/31/2007

HIST AST:

PBS Number:	2-113964
SWIS Code:	6101
Operator:	LAWRENCE FRIEDMAN
Facility Phone:	(718) 387-0750
Facility Addr2:	120 SO 8TH STREET
Facility Type:	MANUFACTURING
Emergency:	LAWRENCE FRIEDMAN
Emergency Tel:	(718) 444-4545
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	GABILA & SONS MFG INC
Owner Address:	120 SO 8TH STREET
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 387-0750
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	MR. LAWRENCE FRIEDMAN
Mailing Name:	GABILA & SONS MFG INC
Mailing Address:	120 SO 8TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 387-0750
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	True
Certification Date:	Not reported
Expiration:	03/24/2007
Renew Flag:	False
Renew Date:	20011113
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2
Tank ID:	003
Tank Location:	ABOVEGROUND

GABILA & SONS MFG INC (Continued) **U003074336**

Tank Status:	In Service
Install Date:	19601201
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	Diking
Leak Detection:	9
Overfill Protection:	6
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

AF137 **3147 BROADWAY** **NY LTANKS** **S102672946**
WSW **3147 BROADWAY** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.182 mi.
962 ft. **Site 2 of 3 in cluster AF**

Relative:
Lower

Actual:
25 ft.

LTANKS:

Site ID:	297337
Spill Number/Closed Date:	9502935 / 6/8/1995
Spill Date:	6/8/1995
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	6/8/1995
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	6/8/1995
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/19/1995
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY

3147 BROADWAY (Continued) **S102672946**

Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	240577
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	DRIVER OVERFILLED TANK - CLEANUP DONE - <1 GALLOM - SENT CLEANUP

Material:

Site ID:	297337
Operable Unit ID:	1014162
Operable Unit:	01
Material ID:	367989
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AI138 **CONSOLIDATED EDISON** **NY MANIFEST** **S110046010**
East **774 DRIGGS AVE - MH12386** **N/A**
1/8-1/4 **BROOKLYN, NY 11202**
0.183 mi.
964 ft. **Site 1 of 4 in cluster AI**

Relative:
Higher

Actual:
49 ft.

NY MANIFEST:

EPA ID:	NYP004194008
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	2009-07-27
Trans1 Recv Date:	2009-07-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-07-28

CONSOLIDATED EDISON (Continued) **S110046010**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004194008
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	100.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000894754GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	2009-07-27
Trans1 Recv Date:	2009-07-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-07-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004194008
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	100.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000894754GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

CONSOLIDATED EDISON (Continued) **S110046010**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

AI139 **CON EDISON** **RCRA-CESQG** **1014396220**
East **774 DRIGGS AVE** **NYP004184008**
1/8-1/4 **BROOKLYN, NY 11211**
0.183 mi.
964 ft. **Site 2 of 4 in cluster AI**

Relative:
Higher

Actual:
49 ft.

RCRA-CESQG:

Date form received by agency:	07/14/2009
Facility name:	CON EDISON
Facility address:	774 DRIGGS AVE BROOKLYN, NY 11211
EPA ID:	NYP004184008
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	CAROLINE ISKANDER
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(718) 666-4714
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

CON EDISON (Continued) **1014396220**

Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

AE140 **171 SO 4 ST** **NY AST** **U003390144**
ESE **171 SO 4 ST** **NY HIST AST** **N/A**
1/8-1/4 **BKLYN, NY 11211**
0.183 mi.
967 ft. **Site 4 of 5 in cluster AE**

Relative:
Higher

Actual:
48 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-321443
Program Type:	PBS
UTM X:	587783.99531999999
UTM Y:	4507203.1817600001
Expiration Date:	2017/03/25

Affiliation Records:

Site Id:	14938
Affiliation Type:	On-Site Operator
Company Name:	171 SO 4 ST
Contact Type:	Not reported
Contact Name:	CHANANYE GOLD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 417-7191
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	6/21/2011

Site Id:	14938
Affiliation Type:	Emergency Contact
Company Name:	171-173 REALTY LLC
Contact Type:	Not reported
Contact Name:	CHANANYE GOLD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 417-7191
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	6/21/2011

Site Id:	14938
Affiliation Type:	Facility Owner
Company Name:	171-173 REALTY LLC

171 SO 4 ST (Continued) **U003390144**

Contact Type:	AUTH. REP.
Contact Name:	BEN REICH
Address1:	463 BEDFORD AVE #1
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 388-6800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	6/21/2011

Site Id:	14938
Affiliation Type:	Mail Contact
Company Name:	171-173 REALTY LLC
Contact Type:	Not reported
Contact Name:	CHANANYE GOLD
Address1:	463 BEDFORD AVE #1
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 388-6800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	6/21/2011

Tank Info:

Tank Number:	001
Tank Id:	18435
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/13/1997

171 SO 4 ST (Continued) **U003390144**

Capacity Gallons:	2020
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	10/01/2012

HIST AST:

PBS Number:	2-321443
SWIS Code:	6101
Operator:	JESUS RIVERA
Facility Phone:	(718) 782-9459
Facility Addr2:	171 SO 4 ST
Facility Type:	APARTMENT BUILDING
Emergency:	JESUS RIVERA
Emergency Tel:	(718) 782-9459
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	JESUS RIVERA
Owner Address:	801 DRIGGS AVE
Owner City,St,Zip:	BKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 782-9459
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	JESUS RIVERA
Mailing Address:	801 DRIGGS AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BKLYN, NY 11211
Mailing Telephone:	(718) 782-9459
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	08/13/1997
Expiration:	08/17/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2020
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2
Tank ID:	001

171 SO 4 ST (Continued) **U003390144**

Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2020
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

AG141 **ENGINE COMPANY 221** **NY UST** **U004078506**
ENE **161 SOUTH 2ND STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.185 mi.
976 ft. **Site 2 of 5 in cluster AG**

Relative:
Higher

Actual:
51 ft.

UST:

Id/Status:	2-357286 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587780.93510999996
UTM Y:	4507387.3832599996

Affiliation Records:

Site Id:	17879
Affiliation Type:	Mail Contact
Company Name:	FIRE DEPARTMENT
Contact Type:	Not reported
Contact Name:	DIRECTOR; BLDGS MAINT DIV
Address1:	48-34 35TH STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-6510
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

ENGINE COMPANY 221 (Continued) **U004078506**

Site Id:	17879
Affiliation Type:	Facility Owner
Company Name:	FIRE DEPARTMENT CITY OF NEW YORK
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	9 METROTECH
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201-3857
Country Code:	001
Phone:	(718) 999-2094
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17879
Affiliation Type:	On-Site Operator
Company Name:	ENGINE COMPANY 221
Contact Type:	Not reported
Contact Name:	COMPANY OFFICER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 965-8221
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17879
Affiliation Type:	Emergency Contact
Company Name:	FIRE DEPARTMENT CITY OF NEW YORK
Contact Type:	Not reported
Contact Name:	EOC/NOTIFICATION DESK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 999-2094
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	003
Tank ID:	52626
Tank Status:	Closed - Removed
Capacity Gallons:	275

ENGINE COMPANY 221 (Continued) **U004078506**

Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
I00 - Overfill - None

AG142 **ENGINE COMPANY 221** **NY HIST UST** **U003178502**
ENE **161 SOUTH 2ND STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.185 mi.
976 ft. **Site 3 of 5 in cluster AG**

Relative:
Higher

Actual:
51 ft.

HIST UST:

PBS Number:	2-357286
SPDES Number:	Not reported
Emergency Contact:	EOC/NOTIFICATION DESK
Emergency Telephone:	(718) 999-2094
Operator:	COMPANY OFFICER
Operator Telephone:	(718) 965-8221
Owner Name:	FIRE DEPARTMENT CITY OF NEW YORK
Owner Address:	9 METROTECH
Owner City,St,Zip:	BROOKLYN, NY 11201-3857
Owner Telephone:	(718) 999-2094
Owner Type:	Local Government
Owner Subtype:	The City of New York
Mailing Name:	FIRE DEPARTMENT
Mailing Address:	48-34 35TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	DIRECTOR; BLDGS MAINT DIV
Mailing Telephone:	(718) 784-6510
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	161 SOUTH 2ND STREET
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER

ENGINE COMPANY 221 (Continued) **U003178502**

Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	09/04/1998
Expiration Date:	07/28/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	550
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	275
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AG143 **ENGINE COMPANY 221** **NY AST** **A100193974**
ENE **161 SOUTH 2ND STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.185 mi.
976 ft. **Site 4 of 5 in cluster AG**

Relative:
Higher

Actual:
51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-357286

ENGINE COMPANY 221 (Continued) **A100193974**

Program Type: PBS
UTM X: 587780.93510999996
UTM Y: 4507387.3832599996
Expiration Date: N/A

Affiliation Records:

Site Id: 17879
Affiliation Type: Mail Contact
Company Name: FIRE DEPARTMENT
Contact Type: Not reported
Contact Name: DIRECTOR; BLDGS MAINT DIV
Address1: 48-34 35TH STREET
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 784-6510
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 17879
Affiliation Type: Facility Owner
Company Name: FIRE DEPARTMENT CITY OF NEW YORK
Contact Type: Not reported
Contact Name: Not reported
Address1: 9 METROTECH
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11201-3857
Country Code: 001
Phone: (718) 999-2094
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 17879
Affiliation Type: On-Site Operator
Company Name: ENGINE COMPANY 221
Contact Type: Not reported
Contact Name: COMPANY OFFICER
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 965-8221
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 17879

ENGINE COMPANY 221 (Continued) **A100193974**

Affiliation Type:	Emergency Contact
Company Name:	FIRE DEPARTMENT CITY OF NEW YORK
Contact Type:	Not reported
Contact Name:	EOC/NOTIFICATION DESK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 999-2094
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	35031
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Tank Number:	002
Tank Id:	52625
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

F05 - Pipe External Protection - Jacketed
H99 - Tank Leak Detection - Other

ENGINE COMPANY 221 (Continued) **A100193974**

B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
C03 - Pipe Location - Aboveground/Underground Combination
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1980
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

AG144 **NYC FIRE DEPT ENGINE CO 221** **RCRA NonGen / NLR** **1001197484**
ENE **161 S 2ND ST** **FINDS** **NYR000040394**
1/8-1/4 **BROOKLYN, NY 11211** **NY MANIFEST**
0.185 mi.
976 ft. **Site 5 of 5 in cluster AG**

Relative:
Higher

Actual:
51 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYC FIRE DEPT ENGINE CO 221
Facility address:	161 S 2ND ST BROOKLYN, NY 112115201
EPA ID:	NYR000040394
Mailing address:	S 2ND ST BROOKLYN, NY 11222
Contact:	Not reported
Contact address:	S 2ND ST BROOKLYN, NY 11222
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Municipal
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYC FIRE DEPT
Owner/operator address:	161 S 2ND ST BROOKLYN, NY 11222
Owner/operator country:	US
Owner/operator telephone:	(718) 965-8221
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported

NYC FIRE DEPT ENGINE CO 221 (Continued) **1001197484**

Owner/Op end date: Not reported

Owner/operator name: NYC FIRE DEPT
Owner/operator address: 161 S 2ND ST
BROOKLYN, NY 11222
Owner/operator country: US
Owner/operator telephone: (718) 965-8221
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYC FIRE DEPT ENGINE CO 221
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: NYC FIRE DEPT ENGINE CO 221
Classification: Not a generator, verified

Date form received by agency: 06/04/1997
Facility name: NYC FIRE DEPT ENGINE CO 221
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/28/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004534861

Environmental Interest/Information System

NYC FIRE DEPT ENGINE CO 221 (Continued) **1001197484**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000040394
Country:	USA
Mailing Name:	NYC FIRE DEPT ENGINE CO 221
Mailing Contact:	EDWARD FLYNN
Mailing Address:	161 S 2ND ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-965-8221

Document ID:	NJA2754865
Manifest Status:	Completed copy
Trans1 State ID:	S6993
Trans2 State ID:	Not reported
Generator Ship Date:	970609
Trans1 Recv Date:	970609
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970609
Part A Recv Date:	Not reported
Part B Recv Date:	970624
Generator EPA ID:	NYR000040394
Trans1 EPA ID:	NJD980772768
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

AF145 **CONTAINER SERVICE CORP.** **NY SWF/LF** **S105841712**
SW **36 BROADWAY** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.185 mi.
977 ft. **Site 3 of 3 in cluster AF**

Relative:
Lower

Actual:
25 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	Not reported
Owner Name:	Not reported

CONTAINER SERVICE CORP. (Continued) **S105841712**

Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	LOUIE BRANDEFINO; MANAGER
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - permit
Activity Number:	[24T51]
Active:	No
East Coordinate:	587200
North Coordinate:	4507000
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	2-6101-00009
Authorization Date:	Not reported
Expiration Date:	Not reported

AI146 **BELL ATLANTIC-NY** **NY MANIFEST** **S109064518**
East **DRIGGS AVE & S 3 ST MANHOLE** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.188 mi.
991 ft. **Site 3 of 4 in cluster AI**

Relative:
Higher

Actual:
50 ft.

NY MANIFEST:

EPA ID:	NYP000940221
Country:	USA
Mailing Name:	BELL ATLANTIC-NY
Mailing Contact:	Not reported
Mailing Address:	Not reported
Mailing Address 2:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	Not reported

NY MANIFEST:

No Manifest Records Available

AI147 **NEW YORK TELEPHONE CO** **CT MANIFEST** **S109786230**
East **DRIGGS ST AND SOUTH 3RD ST.** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.188 mi.
991 ft. **Site 4 of 4 in cluster AI**

Relative:
Higher

Actual:
50 ft.

CT MANIFEST:

Waste:

Manifest No:	CTF0276939
Waste Occurence:	1
UNNA:	3077
Hazard Class:	ORM-E
US Dot Description:	HAZARDOUS WATE SOLID
No of Containers:	001
Container Type:	DT
Quantity:	2
Weight/Volume:	Y
Additional Description:	Y
Handling Code:	T21
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTF0276939
Waste Occurence:	1
EPA Waste Code:	D008
Recycled Waste?:	F
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Detail:

Year:	1994
Manifest ID:	CTF0276939
TSDF EPA ID:	CTD000604488
TSDF Name:	CLEAN HARBORS OF CONNECTICUT, INC.
TSDF Address:	51 BRODERICK RD
TSDF City,St,Zip:	BRISTOL, CT 06010
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	3/4/1994
Transporter EPA ID:	MAD039322250
Transporter Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYP000913434
Generator Phone:	2123958544
Generator Mailing Addr:	DRIGGS ST AND SOUTH 3RD ST.
Generator Mailing Town:	BROOKLYN
Generator Mailing State:	NY
Generator Mailing Zip:	11211
Generator Mailing Country:	USA

NEW YORK TELEPHONE CO (Continued) **S109786230**

Special Handling:	Yes
Discrepancies:	Yes
Date Shipped:	3/4/1994
Date Received:	3/7/1994
Last modified date:	4/26/2004
Last modified by:	IG
Comments:	Not reported

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148 West 1/8-1/4 0.188 mi. 993 ft.

NYSDOT WILLIAMSBURG BRIDGE
378 KENT AVE
BROOKLYN, NY 11211

RCRA NonGen / NLR FINDS **1000912434 NY0000709444**

Relative: Lower

Actual: 16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYSDOT WILLIAMSBURG BRIDGE
Facility address:	378 KENT AVE BROOKLYN, NY 11211
EPA ID:	NY0000709444
Mailing address:	KENT AVE BROOKLYN, NY 11211
Contact:	ED EDWARDS
Contact address:	KENT AVE DEPT OF GENERAL SERVICES BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	(212) 669-4616
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYSDOT
Owner/operator address:	40 WORTH ST NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 442-7446
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYSDOT
Owner/operator address:	40 WORTH ST NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 442-7446
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

NYSDOT WILLIAMSBURG BRIDGE (Continued) **1000912434**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	NYSDOT WILLIAMSBURG BRIDGE
Classification:	Not a generator, verified
Date form received by agency:	09/12/1994
Facility name:	NYSDOT WILLIAMSBURG BRIDGE
Classification:	Not a generator, verified
Violation Status:	No violations found

FINDS:

Registry ID: 110004319381

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

149
NW
1/8-1/4
0.190 mi.
1005 ft.

Relative:
Lower

Actual:
18 ft.

DOMINO SUGAR **NY Spills** **S102239659**
316 KENT AVENUE **NY MOSF** **N/A**
BROOKLYN, NY

SPILLS:

Facility ID:	0030003
DER Facility ID:	254352
Facility Type:	ER
Site ID:	315488
DEC Region:	2
Spill Date:	5/12/2000
Spill Number/Closed Date:	0030003 / 5/25/2000
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SACCACIO

DOMINO SUGAR (Continued) **S102239659**

Referred To:	Not reported
Reported to Dept:	5/12/2000
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/12/2000
Spill Record Last Update:	5/25/2000
Spiller Name:	Not reported
Spiller Company:	DOMINO SUGAR
Spiller Address:	316 KENT AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	DOMINO IS INSTALLING A NEW STORAGE TANK AT THE FACILITY. THE BLACK COLOR EXCAVATED SOILS WERE TRANSPORTED TO A WAREHOUSE RIGHT BY THE RIVER, THEY MAY DUMP THESE CONTAMINATED SOIL INTO THE RIVER.

Material:

Site ID:	315488
Operable Unit ID:	836574
Operable Unit:	01
Material ID:	540891
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	315488
Operable Unit ID:	836574
Operable Unit:	01
Material ID:	540892
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

DOMINO SUGAR (Continued) **S102239659**

Facility ID:	9600373
DER Facility ID:	254352
Facility Type:	ER
Site ID:	178702
DEC Region:	2
Spill Date:	4/9/1996
Spill Number/Closed Date:	9600373 / 4/9/1996
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	4/9/1996
CID:	322
Water Affected:	EAST RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/9/1996
Spill Record Last Update:	5/6/1996
Spiller Name:	Not reported
Spiller Company:	DOMINO SUGAR
Spiller Address:	316 KENT AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	white nasty sludge coming from valve waste pipe from building

Material:

Site ID:	178702
Operable Unit ID:	1028051
Operable Unit:	01
Material ID:	353771
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

DOMINO SUGAR (Continued) **S102239659**

MOSF:

Facility ID:	2-2440
Program Type:	MOSF
Tank Status:	Active
Expiration Date:	2015/03/31
Dec Region:	2
UTMX:	587243.89930000
UTMY:	4507680.7460099

AJ150 **REPUBLIC BANK FOR SAVINGS** **RCRA-CESQG** **1001028376**
SE **175 BROADWAY** **FINDS** **NYR000006080**
1/8-1/4 **BROOKLYN, NY 11211**
0.191 mi.
1007 ft. **Site 1 of 5 in cluster AJ**

Relative:
Higher

Actual:
47 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	REPUBLIC BANK FOR SAVINGS
Facility address:	175 BROADWAY BROOKLYN, NY 112116129
EPA ID:	NYR000006080
Mailing address:	BROADWAY BROOKLYN, NY 112116129
Contact:	Not reported
Contact address:	BROADWAY BROOKLYN, NY 112116129
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	REPUBLIC BANK FOR SAVINGS
Owner/operator address:	452 FIFTH AVE NEW YORK, NY 10018
Owner/operator country:	US
Owner/operator telephone:	(212) 525-6244
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

REPUBLIC BANK FOR SAVINGS (Continued) **1001028376**

Owner/operator name: REPUBLIC BANK FOR SAVINGS
Owner/operator address: 452 FIFTH AVE
NEW YORK, NY 10018
Owner/operator country: US
Owner/operator telephone: (212) 525-6244
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: REPUBLIC BANK FOR SAVINGS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/08/1999
Facility name: REPUBLIC BANK FOR SAVINGS
Classification: Not a generator, verified

Date form received by agency: 05/24/1996
Facility name: REPUBLIC BANK FOR SAVINGS
Classification: Large Quantity Generator

Date form received by agency: 06/07/1995
Facility name: REPUBLIC BANK FOR SAVINGS
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110000904558

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AJ151 **HSBC** **NY UST** **U002170654**
SE **175 BROADWAY** **NY HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211** **NY MANIFEST**
0.191 mi. **NY Spills**
1007 ft. **Site 2 of 5 in cluster AJ**

Relative:
Higher

Actual:
47 ft.

UST:

Id/Status:	2-602117 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2015/09/20
UTM X:	587670.05779999995
UTM Y:	4507061.9502100004

Affiliation Records:

Site Id:	24076
Affiliation Type:	Emergency Contact
Company Name:	HSBC
Contact Type:	Not reported
Contact Name:	WILLIAM A. HODEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 525-1860
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/31/2008

Site Id:	24076
Affiliation Type:	Facility Owner
Company Name:	HSBC
Contact Type:	DIR, ENV H&S
Contact Name:	CHRISTOPHER PHILIPP
Address1:	ONE HSBC CENTER
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14203
Country Code:	001
Phone:	(716) 841-2807
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/31/2008

Site Id:	24076
Affiliation Type:	Mail Contact
Company Name:	HSBC BANK USA
Contact Type:	Not reported
Contact Name:	CHRISTOPHER PHILIPP
Address1:	26525 N.RIVERWOODS BLVD.
Address2:	Not reported
City:	METTAWA
State:	IL
Zip Code:	60045

HSBC (Continued) **U002170654**

Country Code:	001
Phone:	(847) 564-6634
EMail:	CHRIS.C.PHILIPP@U.S.HSBC.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	11/16/2010

Site Id:	24076
Affiliation Type:	On-Site Operator
Company Name:	HSBC
Contact Type:	Not reported
Contact Name:	ROGUE A. ESTEVEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-7607
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/31/2008

Tank Info:

Tank Number:	001
Tank ID:	49206
Tank Status:	Closed - In Place
Capacity Gallons:	2500
Install Date:	Not reported
Date Tank Closed:	10/01/1994
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	03
Date Test:	10/07/1994
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

HSBC (Continued) **U002170654**

Tank Number:	002
Tank ID:	49207
Tank Status:	In Service
Capacity Gallons:	3000
Install Date:	01/25/1943
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	21
Date Test:	07/14/2010
Next Test Date:	07/14/2015
Pipe Model:	Not reported
Modified By:	BKFALVEY
Last Modified:	11/16/2010

Equipment Records:

C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
B00 - Tank External Protection - None
K00 - Spill Prevention - None
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None

HIST UST:

PBS Number:	2-602117
SPDES Number:	Not reported
Emergency Contact:	ANTHONY MALANDRO
Emergency Telephone:	(212) 525-6244
Operator:	BRANCH MANAGER
Operator Telephone:	(718) 486-8905
Owner Name:	HSBC
Owner Address:	452 FIFTH AVENUE
Owner City,St,Zip:	NEW YORK, NY 10018
Owner Telephone:	(212) 525-5000
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	HSBC
Mailing Address:	452 FIFTH AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10018
Mailing Contact:	ANTHONY MALANDRO
Mailing Telephone:	(212) 525-6244
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported

HSBC (Continued) **U002170654**

SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	09/22/2000
Expiration Date:	09/20/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	2500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Vent Whistle
Dispenser:	Suction
Date Tested:	10/07/1994
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/1994
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL

HSBC (Continued) **U002170654**

Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Vent Whistle
Dispenser:	Suction
Date Tested:	07/31/2000
Next Test Date:	07/31/2005
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	21
Deleted:	False
Updated:	True
Lat/long:	Not reported

NY MANIFEST:

EPA ID:	NYR000006080
Country:	USA
Mailing Name:	REPUBLIC BANK FOR SAVINGS
Mailing Contact:	ANTHONY MALANDRO
Mailing Address:	175 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-525-6244

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	1212659
DER Facility ID:	431118
Facility Type:	ER
Site ID:	475813
DEC Region:	2
Spill Date:	11/27/2012
Spill Number/Closed Date:	1212659 / 2/14/2013
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	11/27/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other

HSBC (Continued) **U002170654**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/27/2012
Spill Record Last Update:	2/14/2013
Spiller Name:	CARLOS PEREZ
Spiller Company:	175 BROADWAY HOSPITALITY LLC
Spiller Address:	175 BROADWAY
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Contact Name:	CARLOS PEREZ
Contact Phone:	(347) 633-1754
DEC Memo:	Impacted soil found during tank pull.Cleanup, endpoints etc. required.02/14/13 Brookside Environmental removed one 2,500 gallon and another 3,000 gallon fuel oil USTs. The excavation was 18 x 25 x 12 ft.End point sample was taken. Soil in the excavation was screened with PID. No visual or olfactory evidence of contamination observed by JRH.There was no exceedances of VOCs in end point samples compared to CP-51.Report in edcos. Case closed.(sr)
Remarks:	Historical spill. Tank removal with impacted soil. Cleanup will be done following removal of second tank.

Material:

Site ID:	475813
Operable Unit ID:	1225653
Operable Unit:	01
Material ID:	2222936
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AJ152 **PETER LUGER INC.** **NY UST** **U004064019**
SE **178 BROADWAY** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.191 mi.
1010 ft. **Site 3 of 5 in cluster AJ**

Relative:
Higher

Actual:
47 ft.

UST:

Id/Status:	2-602352 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587668.89616
UTM Y:	4507062.4511900004

PETER LUGER INC. (Continued) **U004064019**

Affiliation Records:

Site Id:	24309
Affiliation Type:	Mail Contact
Company Name:	PETER LUGER INC.
Contact Type:	Not reported
Contact Name:	AMY RUBENSTEIN
Address1:	185 BROADWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24309
Affiliation Type:	On-Site Operator
Company Name:	PETER LUGER, INC.
Contact Type:	Not reported
Contact Name:	AMY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-7400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24309
Affiliation Type:	Emergency Contact
Company Name:	PETER LUGER, INC.
Contact Type:	Not reported
Contact Name:	AMY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-7400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24309
Affiliation Type:	Facility Owner
Company Name:	PETER LUGER, INC.
Contact Type:	Not reported
Contact Name:	Not reported

PETER LUGER INC. (Continued) **U004064019**

Address1:	185 BROADWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	1
Tank ID:	49866
Tank Status:	In Service
Capacity Gallons:	1080
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None

AJ153 **PETER LUGER INC.** **NY HIST UST** **U003075005**
SE **178 BROADWAY** **NY AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211** **NY HIST AST**
0.191 mi.
1010 ft. **Site 4 of 5 in cluster AJ**

Relative:
Higher

Actual:
47 ft.

HIST UST:

PBS Number:	2-602352
SPDES Number:	Not reported
Emergency Contact:	AMY
Emergency Telephone:	(718) 387-0500
Operator:	AMY

PETER LUGER INC. (Continued) **U003075005**

Operator Telephone:	(718) 387-7400
Owner Name:	PETER LUGER INC.
Owner Address:	185 BROADWAY
Owner City,St,Zip:	BROOKLYN, NY 11211
Owner Telephone:	(718) 387-0500
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	PETER LUGER INC.
Mailing Address:	185 BROADWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	AMY RUBENSTEIN
Mailing Telephone:	(718) 387-0500
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	06/21/2000
Expiration Date:	07/24/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	1630
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	1
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	1080
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None

PETER LUGER INC. (Continued) **U003075005**

Overfill Prot:	Product Level Gauge, Vent Whistle
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-602352
Program Type:	PBS
UTM X:	587668.89616
UTM Y:	4507062.4511900004
Expiration Date:	N/A

Affiliation Records:

Site Id:	24309
Affiliation Type:	Mail Contact
Company Name:	PETER LUGER INC.
Contact Type:	Not reported
Contact Name:	AMY RUBENSTEIN
Address1:	185 BROADWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24309
Affiliation Type:	On-Site Operator
Company Name:	PETER LUGER, INC.
Contact Type:	Not reported
Contact Name:	AMY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-7400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24309

PETER LUGER INC. (Continued) **U003075005**

Affiliation Type:	Emergency Contact
Company Name:	PETER LUGER, INC.
Contact Type:	Not reported
Contact Name:	AMY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-7400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24309
Affiliation Type:	Facility Owner
Company Name:	PETER LUGER, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	185 BROADWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	2
Tank Id:	49867
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275

PETER LUGER INC. (Continued) **U003075005**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Tank Number:	3
Tank Id:	49868
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-602352
SWIS Code:	6101
Operator:	AMY
Facility Phone:	(718) 387-7400
Facility Addr2:	Not reported
Facility Type:	OTHER
Emergency:	AMY
Emergency Tel:	(718) 387-0500
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	PETER LUGER INC.
Owner Address:	185 BROADWAY
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 387-0500

PETER LUGER INC. (Continued) **U003075005**

Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	AMY RUBENSTEIN
Mailing Name:	PETER LUGER INC.
Mailing Address:	185 BROADWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 387-0500
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	06/21/2000
Expiration:	07/24/2005
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1630
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	2
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	275
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	46
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

PETER LUGER INC. (Continued) **U003075005**

Tank ID:	3
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	275
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	46
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

154
SSW
1/8-1/4
0.191 mi.
1011 ft.

BENOWITZ & SONS
76 SOUTH 8TH ST
BROOKLYN, NY 11211

NY MANIFEST **1009226094**
N/A

Relative:
Lower

Actual:
31 ft.

NY MANIFEST:

EPA ID:	NYD001609171
Country:	USA
Mailing Name:	BENOWITZ & SONS
Mailing Contact:	STUART BENOWITZ
Mailing Address:	76 SOUTH 8TH ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-387-7473

Document ID:	NYB5303016
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	930817
Trans1 Recv Date:	930817
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930901
Part A Recv Date:	930825
Part B Recv Date:	931108

BENOWITZ & SONS (Continued) **1009226094**

Generator EPA ID:	NYD001609171
Trans1 EPA ID:	PAD987271020
Trans2 EPA ID:	Not reported
TSDF ID:	GAD093380814
Waste Code:	F003 - UNKNOWN
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NYB5077431
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	4208ACT
Trans2 State ID:	Not reported
Generator Ship Date:	950117
Trans1 Recv Date:	950117
Trans2 Recv Date:	950118
TSD Site Recv Date:	950203
Part A Recv Date:	Not reported
Part B Recv Date:	950221
Generator EPA ID:	NYD001609171
Trans1 EPA ID:	CTD982191942
Trans2 EPA ID:	Not reported
TSDF ID:	GAD093380814
Waste Code:	F003 - UNKNOWN
Quantity:	00885
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	017
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	080
Year:	95

AD155
NE
1/8-1/4
0.192 mi.
1014 ft.

CONSOLIDATED EDISON **NY MANIFEST** **1009243394**
BEDFORD AVE & S 1ST ST **N/A**
BROOKLYN, NY

Site 3 of 3 in cluster AD

Relative:
Higher

Actual:
49 ft.

NY MANIFEST:

EPA ID:	NYP004128542
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

CONSOLIDATED EDISON (Continued) **1009243394**

Document ID:	NJA5212919
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/27/2005
Trans1 Recv Date:	01/27/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004128542
Trans1 EPA ID:	S5811
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	06209
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2005

Document ID:	NJA5212921
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/27/2005
Trans1 Recv Date:	01/27/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/27/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004128542
Trans1 EPA ID:	S5811
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00425
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	002
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2005

Document ID:	NYE0619119
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	01/26/2005
Trans1 Recv Date:	01/26/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/27/2005
Part A Recv Date:	Not reported

CONSOLIDATED EDISON (Continued) **1009243394**

Part B Recv Date:	Not reported
Generator EPA ID:	NYP004128542
Trans1 EPA ID:	46233JM
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	03546
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2005

Document ID:	NJA5212919
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/27/2005
Trans1 Recv Date:	01/27/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004128542
Trans1 EPA ID:	S5811
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	06209
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NJA5212921
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/27/2005
Trans1 Recv Date:	01/27/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/27/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004128542
Trans1 EPA ID:	S5811
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00425
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	002

CONSOLIDATED EDISON (Continued) **1009243394**

Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: Not reported

Document ID: NYE0619119
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 01/26/2005
Trans1 Recv Date: 01/26/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/27/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004128542
Trans1 EPA ID: 46233JM
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity: 03546
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: Not reported

AE156 **DEUTCH AUTO BODY WORKS** **RCRA NonGen / NLR** **1000396510**
ESE **177-183 S 4TH ST** **FINDS** **NYD063856975**
1/8-1/4 **BROOKLYN, NY 11211** **NY MANIFEST**
0.197 mi.
1039 ft. **Site 5 of 5 in cluster AE**

Relative:
Higher

Actual:
47 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: DEUTCH AUTO BODY WORKS
Facility address: 177-183 S 4TH ST
BROOKLYN, NY 112115301
EPA ID: NYD063856975
Mailing address: S 4TH ST
BROOKLYN, NY 11211
Contact: Not reported
Contact address: S 4TH ST
BROOKLYN, NY 11211
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999

DEUTCH AUTO BODY WORKS (Continued) **1000396510**

Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: DEUTCH AUTO BODY WORKS
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: DEUTCH AUTO BODY WORKS
Classification: Not a generator, verified

Date form received by agency: 09/26/1985
Facility name: DEUTCH AUTO BODY WORKS
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004363411

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

DEUTCH AUTO BODY WORKS (Continued) **1000396510**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD063856975
Country:	USA
Mailing Name:	DEUTCH AUTO BODY WORKS
Mailing Contact:	DEUTCH AUTO BODY WORKS
Mailing Address:	177 SOUTH FOURTH STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-782-2628

Document ID:	NJA0629421
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891204
Trans1 Recv Date:	891204
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891205
Part A Recv Date:	891212
Part B Recv Date:	891212
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00155
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NJA0249465
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS-10
Trans2 State ID:	Not reported
Generator Ship Date:	861112
Trans1 Recv Date:	861112
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	861112
Part A Recv Date:	861118
Part B Recv Date:	861125
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported

DEUTCH AUTO BODY WORKS (Continued) **1000396510**

TSDF ID:	NJD002454544
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00090
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	86

Document ID:	NJA1009743
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900618
Trans1 Recv Date:	900618
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900619
Part A Recv Date:	900914
Part B Recv Date:	900627
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA0214243
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS-10
Trans2 State ID:	Not reported
Generator Ship Date:	860818
Trans1 Recv Date:	860818
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860819
Part A Recv Date:	860826
Part B Recv Date:	860826
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	86

DEUTCH AUTO BODY WORKS (Continued) **1000396510**

Document ID:	NJA0139625
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPDECA
Trans2 State ID:	Not reported
Generator Ship Date:	860204
Trans1 Recv Date:	860204
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860205
Part A Recv Date:	860219
Part B Recv Date:	860212
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00053
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	86

Document ID:	NJA1009368
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	900425
Trans1 Recv Date:	900425
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900425
Part A Recv Date:	901009
Part B Recv Date:	900606
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00170
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA0950546
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900924
Trans1 Recv Date:	900924
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900925
Part A Recv Date:	901009

DEUTCH AUTO BODY WORKS (Continued) **1000396510**

Part B Recv Date:	901005
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00115
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA1513535
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	921006
Trans1 Recv Date:	921006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921009
Part A Recv Date:	Not reported
Part B Recv Date:	921028
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92

Document ID:	NJA1608465
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	931207
Trans1 Recv Date:	931207
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	931207
Part A Recv Date:	931215
Part B Recv Date:	931222
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00140
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001

DEUTCH AUTO BODY WORKS (Continued) **1000396510**

Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	93

Document ID:	NYA7797339
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	880930
Trans1 Recv Date:	880930
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880930
Part A Recv Date:	881013
Part B Recv Date:	881017
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F005 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NYA6457689
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PLATE#
Trans2 State ID:	57745GB
Generator Ship Date:	880509
Trans1 Recv Date:	880509
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880509
Part A Recv Date:	880617
Part B Recv Date:	880517
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NJA1159469
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103

DEUTCH AUTO BODY WORKS (Continued) **1000396510**

Trans2 State ID:	Not reported
Generator Ship Date:	910422
Trans1 Recv Date:	910422
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910423
Part A Recv Date:	910501
Part B Recv Date:	910503
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00095
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NJA0991744
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	910115
Trans1 Recv Date:	910115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910115
Part A Recv Date:	910125
Part B Recv Date:	910212
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00080
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYA6459534
Manifest Status:	Completed copy
Trans1 State ID:	PLATE#
Trans2 State ID:	MY7783
Generator Ship Date:	880720
Trans1 Recv Date:	880720
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880720
Part A Recv Date:	880727
Part B Recv Date:	880728
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NYD000824334

DEUTCH AUTO BODY WORKS (Continued) **1000396510**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NYA6459219
Manifest Status:	Completed copy
Trans1 State ID:	PLATE#
Trans2 State ID:	IC1244
Generator Ship Date:	880707
Trans1 Recv Date:	880707
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880707
Part A Recv Date:	880714
Part B Recv Date:	880727
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F005 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NJA0570962
Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	890321
Trans1 Recv Date:	890321
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890321
Part A Recv Date:	890329
Part B Recv Date:	890331
Generator EPA ID:	NYD063856975
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

DEUTCH AUTO BODY WORKS (Continued) **1000396510**

Year: 89

Document ID: NJA0628509
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 890801
Trans1 Recv Date: 890801
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890801
Part A Recv Date: 890807
Part B Recv Date: 890810
Generator EPA ID: NYD063856975
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 89

AK157 **P.S. 84** **NY AST** **U003394349**
NNE **250 BERRY STREET** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.197 mi.
1040 ft. **Site 1 of 4 in cluster AK**

Relative:
Higher

Actual:
45 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-356360
Program Type: PBS
UTM X: 587616.51100000006
UTM Y: 4507594.4045599997
Expiration Date: 2013/06/28

Affiliation Records:
Site Id: 17797
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: SCHOOL SAFETY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 935-3300
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG

P.S. 84 (Continued) **U003394349**

Date Last Modified: 4/1/2013

Site Id: 17797
Affiliation Type: On-Site Operator
Company Name: PUBLIC SCHOOL 84 - BROOKLYN
Contact Type: Not reported
Contact Name: PLANT OPERATIONS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 349-5400
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 17797
Affiliation Type: Mail Contact
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: JAMES A. MERLO
Address1: FIELD OPERATIONS-FUEL DIVISION
Address2: 44-36 VERNON BOULEVARD
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 349-5738
EMail: JMERLO@SCHOOLS.NYC.GOV
Fax Number: Not reported
Modified By: dxliving
Date Last Modified: 9/2/2008

Site Id: 17797
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type: MANAGER, FUEL DIVISION
Contact Name: JAMES A. MERLO
Address1: 44-36 VERNON BOULEVARD
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 349-5738
EMail: Not reported
Fax Number: Not reported
Modified By: GDBREEN
Date Last Modified: 1/2/2013

Tank Info:

Tank Number: 001
Tank Id: 34833

P.S. 84 (Continued) **U003394349**

Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:
L00 - Piping Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 04/23/1969
Capacity Gallons: 7500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: dxliving
Last Modified: 05/13/2008

Tank Number: 002
Tank Id: 34834
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:
L00 - Piping Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 04/23/1969
Capacity Gallons: 7500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported

P.S. 84 (Continued) **U003394349**

Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	05/13/2008

HIST AST:

PBS Number:	2-356360
SWIS Code:	6101
Operator:	PLANT OPERATION
Facility Phone:	(718) 391-6000
Facility Addr2:	250 BERRY STREET
Facility Type:	SCHOOL
Emergency:	SCHOOL SAFETY
Emergency Tel:	(212) 979-3300
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NEW YORK CITY BOARD OF EDUCATION
Owner Address:	28-11 QUEENS PLAZA NORTH
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 391-6832
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Contact:	FRANK CARDELLO/PLANT OPERNTROL
Mailing Name:	BOARD OF EDUCATION
Mailing Address:	28-11 QUEENS PLAZA NORTH
Mailing Address 2:	5 FLOOR
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 391-6832
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/02/1998
Expiration:	06/28/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	15000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	7500

P.S. 84 (Continued) **U003394349**

Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	01
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	002
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	7500
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	01
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

AL158
NNW
1/8-1/4
0.197 mi.
1040 ft.

BJR REALTY CORP.
6O SOUTH 2ND STREET (WYTHE ST.)
BROOKLYN, NY 11211

Site 1 of 2 in cluster AL

NY SWF/LF **S105841709**
NY SWRCY **N/A**

Relative:
Lower

Actual:
23 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	7183884462
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	BRUCE TERZANO; PRESIDENT
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - permit
Activity Number:	[24T24]
Active:	No
East Coordinate:	587300
North Coordinate:	4507600
Accuracy Code:	Not reported
Regulatory Status:	Permit
Waste Type:	Not reported
Authorization #:	2-6101-00165
Authorization Date:	09/11/1990
Expiration Date:	09/11/1995

Flag:	INACTIVE
Region Code:	2
Phone Number:	7183884462
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	BRUCE TERZANO; PRESIDENT
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	C&D processing - registration
Activity Number:	[24W24]
Active:	No
East Coordinate:	587300
North Coordinate:	4507600
Accuracy Code:	Not reported
Regulatory Status:	Permit
Waste Type:	Not reported

BJR REALTY CORP. (Continued) **S105841709**

Authorization #: 2-6101-00165
Authorization Date: 09/11/1990
Expiration Date: 09/11/1995

SWRCY:
Region: 2
Facility Address 2: Not reported
Phone Number: 7183884462
Owner Type: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner Address 2: Not reported
Owner City,St,Zip: Not reported
Owner Email: Not reported
Owner Phone: Not reported
Contact Name: BRUCE TERZANO; PRESIDENT
Contact Address: Not reported
Contact Address 2: Not reported
Contact City,St,Zip: Not reported
Contact Email: Not reported
Contact Phone: Not reported
Activity Desc: RHRF - registration
Activity Number: [24M24]
Active: No
East Coordinate: 587300
North Coordinate: 4507600
Accuracy Code: Not reported
Regulatory Status: Permit
Permit #: 2-6101-00165
Auth. Date: 09/11/1990
Expiration Date: 09/11/1995
Waste Types: Not reported

AK159 **NYC BD OF ED - PUBLIC SCHOOL 84 BKLYN** **RCRA NonGen / NLR** **1004759420**
NNE **250 BERRY ST** **FINDS** **NYR000010462**
1/8-1/4 **BROOKLYN, NY 11222** **NY MANIFEST**
0.197 mi.
1040 ft. **Site 2 of 4 in cluster AK**

Relative:
Higher

Actual:
45 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NYC BD OF ED - PUBLIC SCHOOL 84 BKLYN
Facility address: 250 BERRY ST
NYC SCHOOL CONSTRUCTION AUTH
BROOKLYN, NY 11222
EPA ID: NYR000010462
Mailing address: BERRY ST
NYC SCHOOL CONSTRUCTION AUTH
BROOKLYN, NY 11222
Contact: ROBERT GUASTA
Contact address: BERRY ST
BROOKLYN, NY 11222
Contact country: US
Contact telephone: (718) 472-8000
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator

NYC BD OF ED - PUBLIC SCHOOL 84 BKLYN (Continued) **1004759420**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NYC BD OF ED - SCHOOL CONSTRUCTION AUTH
Owner/operator address: 28-11 QUEENS PLZ N
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 349-5600
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NYC BD OF ED - SCHOOL CONSTRUCTION AUTH
Owner/operator address: 28-11 QUEENS PLZ N
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 349-5600
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYC BD OF ED - PUBLIC SCHOOL 84 BKLYN
Classification: Not a generator, verified

Date form received by agency: 08/08/1995
Facility name: NYC BD OF ED - PUBLIC SCHOOL 84 BKLYN
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004516774

Environmental Interest/Information System

NYC BD OF ED - PUBLIC SCHOOL 84 BKLYN (Continued) **1004759420**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000010462
Country:	USA
Mailing Name:	NYC BOARD OF EDUCATION
Mailing Contact:	ATHANASIOS TSIDISUIS
Mailing Address:	28-11 QUEENS PLAZA NORTH
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-391-6094

Document ID:	NJA2116915
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	50082
Trans2 State ID:	S6993
Generator Ship Date:	950810
Trans1 Recv Date:	950810
Trans2 Recv Date:	951026
TSD Site Recv Date:	951027
Part A Recv Date:	Not reported
Part B Recv Date:	951107
Generator EPA ID:	NYR000010462
Trans1 EPA ID:	NY0000551218
Trans2 EPA ID:	NJD980772768
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00400
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

160
ESE
1/8-1/4
0.199 mi.
1049 ft.

CAMIN INDUSTRIES INC
104-114 S 4TH ST
BROOKLYN, NY 11211

RCRA NonGen / NLR **1000255276**
FINDS **NYD001272095**
NY MANIFEST

Relative:
Higher

Actual:
47 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CAMIN INDUSTRIES INC
Facility address:	104-114 S 4TH ST BROOKLYN, NY 112115505

CAMIN INDUSTRIES INC (Continued) **1000255276**

EPA ID:	NYD001272095
Mailing address:	REAGENT PL ROSLYN, NY 11576
Contact:	Not reported
Contact address:	REAGENT PL ROSLYN, NY 11576
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SAM FIALKOFF
Owner/operator address:	9 REAGENT PL ROSLYN, NY 11576
Owner/operator country:	US
Owner/operator telephone:	(516) 621-7343
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SAM FIALKOFF
Owner/operator address:	9 REAGENT PL ROSLYN, NY 11576
Owner/operator country:	US
Owner/operator telephone:	(516) 621-7343
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	CAMIN INDUSTRIES INC
Classification:	Not a generator, verified

CAMIN INDUSTRIES INC (Continued) **1000255276**

Date form received by agency: 07/08/1999
Facility name: CAMIN INDUSTRIES INC
Classification: Not a generator, verified

Date form received by agency: 04/14/1992
Facility name: CAMIN INDUSTRIES INC
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/09/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/19/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004333212

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD001272095
Country: USA
Mailing Name: CAMIN LABS INC
Mailing Contact: S FIALKOFF
Mailing Address: 104-14 SOUTH4TH STREET
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11211
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-595-4651

Document ID: NYB4134312
Manifest Status: Completed copy
Trans1 State ID: NJXU82TV
Trans2 State ID: Not reported
Generator Ship Date: 920508
Trans1 Recv Date: 920508

CAMIN INDUSTRIES INC (Continued) **1000255276**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920511
Part A Recv Date:	Not reported
Part B Recv Date:	920601
Generator EPA ID:	NYD001272095
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	U159 - METHYL ETHYL KETONE(L,T)
Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92

Document ID:	NYB4134249
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	NJXU82TV
Generator Ship Date:	920508
Trans1 Recv Date:	920508
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920511
Part A Recv Date:	Not reported
Part B Recv Date:	920601
Generator EPA ID:	NYD001272095
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	NYD000691949
TSDF ID:	NYD000691949
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00600
Units:	P - Pounds
Number of Containers:	004

CAMIN INDUSTRIES INC (Continued) **1000255276**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00450
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92

Document ID:	NYB4134384
Manifest Status:	Completed copy
Trans1 State ID:	XU82TVNJ
Trans2 State ID:	Not reported
Generator Ship Date:	920511
Trans1 Recv Date:	920511
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920512
Part A Recv Date:	Not reported
Part B Recv Date:	920603
Generator EPA ID:	NYD001272095
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00300
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00300

CAMIN INDUSTRIES INC (Continued) **1000255276**

Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92

AM161 **4 G'S TRUCK RENTING CO.,INC.** **NY UST** **U001838990**
WSW **389 KENT AVENUE** **NY HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211** **NY Spills**
0.202 mi.
1066 ft. **Site 1 of 5 in cluster AM**

Relative:
Lower

Actual:
16 ft.

UST:

Id/Status:	2-280054 / Administratively Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587159.48875000002
UTM Y:	4507197.5517600002

Affiliation Records:

Site Id:	12217
Affiliation Type:	On-Site Operator
Company Name:	4GS TRUCK RENTING CO INC
Contact Type:	Not reported
Contact Name:	ALLAN SILVERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bkfalvey
Date Last Modified:	9/19/2007

Site Id:	12217
Affiliation Type:	Emergency Contact
Company Name:	4GS TRUCK RENTING CO INC
Contact Type:	Not reported
Contact Name:	ALLAN SILVERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bkfalvey
Date Last Modified:	9/19/2007

Site Id:	12217

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

Affiliation Type:	Facility Owner
Company Name:	4GS TRUCK RENTING CO INC
Contact Type:	Not reported
Contact Name:	ALLAN SILVERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bkfalvey
Date Last Modified:	9/19/2007

Site Id:	12217
Affiliation Type:	Mail Contact
Company Name:	4 GS TRUCK RENTING CO.,INC.
Contact Type:	Not reported
Contact Name:	ALLAN SILVERMAN
Address1:	395 KENT AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	45216
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	08/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
H00 - Tank Leak Detection - None

Tank Number:	002
Tank ID:	45217
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	08/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I00 - Overfill - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Number:	003
Tank ID:	51211
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	08/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I00 - Overfill - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Number:	004
Tank ID:	28076
Tank Status:	Administratively Closed
Capacity Gallons:	4000
Install Date:	10/01/1980
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	21
Date Test:	10/30/2002
Next Test Date:	10/30/2007
Pipe Model:	Not reported
Modified By:	bkfalvey
Last Modified:	09/19/2007

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
B08 - Tank External Protection - Retrofitted Impressed Current
K01 - Spill Prevention - Catch Basin
D02 - Pipe Type - Galvanized Steel
F08 - Pipe External Protection - Retrofitted Impressed Current
J02 - Dispenser - Suction Dispenser

Tank Number:	004
Tank ID:	42517
Tank Status:	Administratively Closed
Capacity Gallons:	4000
Install Date:	10/01/1980
Date Tank Closed:	06/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	01
Date Test:	10/01/1989
Next Test Date:	Not reported
Pipe Model:	Not reported

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I00 - Overfill - None

Affiliation Records:

Site Id: 22387
Affiliation Type: Facility Owner
Company Name: 4GS TRUCK RENTING CO INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 395 KENT AVENUE
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 388-4100
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 22387
Affiliation Type: Mail Contact
Company Name: 4GS TRUCK RENTING CO INC
Contact Type: Not reported
Contact Name: ALLAN SILVERMAN
Address1: 395 KENT AVENUE
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 388-4100
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 22387
Affiliation Type: On-Site Operator
Company Name: 4GS TRUCK RENTING CO INC
Contact Type: Not reported
Contact Name: 4G'S TRUCK RENTING CO INC
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22387
Affiliation Type:	Emergency Contact
Company Name:	4GS TRUCK RENTING CO INC
Contact Type:	Not reported
Contact Name:	ALLAN SILVERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bkfalvey
Date Last Modified:	9/19/2007

Tank Info:

Tank Number:	001
Tank ID:	45216
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	08/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
H00 - Tank Leak Detection - None

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

Tank Number:	002
Tank ID:	45217
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	08/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I00 - Overfill - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Number:	003
Tank ID:	51211
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	08/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I00 - Overfill - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

Tank Number:	004
Tank ID:	28076
Tank Status:	Administratively Closed
Capacity Gallons:	4000
Install Date:	10/01/1980
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	21
Date Test:	10/30/2002
Next Test Date:	10/30/2007
Pipe Model:	Not reported
Modified By:	bkfalvey
Last Modified:	09/19/2007

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
B08 - Tank External Protection - Retrofitted Impressed Current
K01 - Spill Prevention - Catch Basin
D02 - Pipe Type - Galvanized Steel
F08 - Pipe External Protection - Retrofitted Impressed Current
J02 - Dispenser - Suction Dispenser

Tank Number:	004
Tank ID:	42517
Tank Status:	Administratively Closed
Capacity Gallons:	4000
Install Date:	10/01/1980
Date Tank Closed:	06/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	01
Date Test:	10/01/1989
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B01 - Tank External Protection - Painted/Asphalt Coating

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

F00 - Pipe External Protection - None
I00 - Overfill - None

HIST UST:

PBS Number:	2-280054
SPDES Number:	Not reported
Emergency Contact:	ALLAN SILVERMAN
Emergency Telephone:	(718) 388-4100
Operator:	ALLAN SILVERMAN
Operator Telephone:	(718) 388-4100
Owner Name:	4 G'S TRUCK RENTING CO.,INC.
Owner Address:	395 KENT AVE
Owner City,St,Zip:	BKLYN, NY 11211
Owner Telephone:	(718) 388-4100
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	4 G'S TRUCK RENTING CO.,INC.
Mailing Address:	395 KENT AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BKLYN, NY 11211
Mailing Contact:	ALLAN SILVERMAN
Mailing Telephone:	(718) 388-4100
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	389 KENT AVE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	10/29/1997
Expiration Date:	12/14/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19801001
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1980
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	08/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19801001
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1980
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	08/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19801001
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1980
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	08/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19801001
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	13
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Impressed Current
Second Containment:	None
Leak Detection:	In-tank System
Overfill Prot:	Catch Basin
Dispenser:	Suction
Date Tested:	10/01/1996
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	USTest 2000
Deleted:	False
Updated:	True
Lat/long:	Not reported

SPILLS:

Facility ID:	0703703
DER Facility ID:	333141
Facility Type:	ER
Site ID:	383705
DEC Region:	2
Spill Date:	6/29/2007
Spill Number/Closed Date:	0703703 / 7/3/2007
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SFRAHMAN

4 G'S TRUCK RENTING CO.,INC. (Continued) **U001838990**

Referred To:	Not reported
Reported to Dept:	6/29/2007
CID:	410
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/2/2007
Spill Record Last Update:	7/3/2007
Spiller Name:	ISSAC
Spiller Company:	CONSTRUCTION SITE
Spiller Address:	389 KENT AVE CORNER BROAD
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	ISSAC
Contact Phone:	(917) 361-6193
DEC Memo:	Annonymous caller reported the spill to DLE hotline.ECO Glorioso and ECO Willson responded to verify the claim.07/03/07 Sharif stopped by the site this morning and found no spill.The site is under construction.Spill closed.(SR)See PBS#2-600404
Remarks:	REPORTED SPILL AT CONSTRCTION SITE THAT IS LOCKED UP, CAN BE SEEN FROM AJACENT PROPERTIES: LT MATTERA FROM DEC WILL BE ADVISED:

Material:

Site ID:	383705
Operable Unit ID:	1141033
Operable Unit:	01
Material ID:	2131154
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AN162 **EDR US Hist Cleaners** **1015038052**
NE **302 BEDFORD AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.203 mi.
1072 ft. **Site 1 of 2 in cluster AN**

Relative:
Higher

Actual:
49 ft.

EDR Historical Cleaners:

Name:	SM LAUNDROMAT
Year:	2007
Address:	302 BEDFORD AVE
Name:	SM LAUNDROMAT

(Continued) **1015038052**

Year: 2008
Address: 302 BEDFORD AVE

AJ163 **FORMAN FAMILY INC** **RCRA NonGen / NLR** **1000295136**
SE **185-195 BROADWAY** **FINDS** **NYD001287770**
1/8-1/4 **BROOKLYN, NY 11211** **NY UST**
0.203 mi. **NY HIST UST**
1074 ft. **Site 5 of 5 in cluster AJ** **RI MANIFEST**
NY MANIFEST

Relative:
Higher

Actual:
47 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FORMAN FAMILY INC
Facility address:	185-195 BROADWAY BROOKLYN, NY 11211
EPA ID:	NYD001287770
Mailing address:	BROADWAY BROOKLYN, NY 11211
Contact:	Not reported
Contact address:	BROADWAY BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	FORMAN FAMILY INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	FORMAN FAMILY INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

FORMAN FAMILY INC (Continued) **1000295136**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: FORMAN FAMILY INC
Classification: Not a generator, verified

Date form received by agency: 03/24/1995
Facility name: FORMAN FAMILY INC
Classification: Unverified

Date form received by agency: 11/10/1987
Facility name: FORMAN FAMILY INC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/14/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004333356

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

UST:
Id/Status: 2-310824 / Unregulated
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 587690.22588000004
UTM Y: 4507052.9312199997

Affiliation Records:
Site Id: 14220
Affiliation Type: Facility Owner

FORMAN FAMILY INC (Continued) **1000295136**

Company Name:	FORMAN FAMILY, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	185 BROADWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14220
Affiliation Type:	Mail Contact
Company Name:	FORMAN FAMILY, INC.
Contact Type:	Not reported
Contact Name:	MILEN MILANOV
Address1:	185 BROADWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14220
Affiliation Type:	Emergency Contact
Company Name:	FORMAN FAMILY, INC.
Contact Type:	Not reported
Contact Name:	MILEN MILANOV
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 997-6595
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14220
Affiliation Type:	On-Site Operator
Company Name:	FORMAN FAMILY INC.
Contact Type:	Not reported
Contact Name:	FRANCIS MCNAB
Address1:	Not reported
Address2:	Not reported
City:	Not reported

FORMAN FAMILY INC (Continued) **1000295136**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	004
Tank ID:	18377
Tank Status:	Closed - Removed
Capacity Gallons:	3000
Install Date:	Not reported
Date Tank Closed:	12/03/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)

HIST UST:

PBS Number:	2-310824
SPDES Number:	Not reported
Emergency Contact:	MILEN MILANOV
Emergency Telephone:	(718) 383-2742
Operator:	O LUKE
Operator Telephone:	(718) 387-0500
Owner Name:	FORMAN FAMILY, INC.
Owner Address:	185 BROADWAY
Owner City,St,Zip:	BKLYN, NY 11211
Owner Telephone:	(718) 387-0500
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	FORMAN FAMILY, INC.
Mailing Address:	185 BROADWAY
Mailing Address 2:	Not reported

FORMAN FAMILY INC (Continued) **1000295136**

Mailing City,St,Zip:	BKLYN, NY 11211
Mailing Contact:	Not reported
Mailing Telephone:	(718) 387-0500
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	185 BROADWAY
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	08/06/1997
Expiration Date:	08/17/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	12/27/1987
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

FORMAN FAMILY INC (Continued) **1000295136**

RI MANIFEST:

GEN Cert Date:	11/12/1987
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	F007
Waste Code2:	Not reported
Waste Code3:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	TECHNIC
TSDF ID:	RID001200252
TSDF Date:	Not reported
Transporter 2 Name:	Not reported
Transporter 2 ID:	Not reported
Manifest Docket Number:	RIA0011221
Waste Description:	POTASSIUM CYANIDE
Quantity:	110
WT/Vol Units:	G
Item Number:	1
Transporter Name:	SEALAND ENV
Transporter EPA ID:	CTD980521280
GEN Cert Date:	11/12/1987
Transporter Recpt Date:	Not reported
Transporter 2 Recpt Date:	Not reported
TSDF Recpt Date:	Not reported
EPA ID:	NYD001287770
Transporter 2 ID:	Not reported

NY MANIFEST:

EPA ID:	NYD000074393
Country:	USA
Mailing Name:	PETER LUGER INC
Mailing Contact:	FAZAL ALI
Mailing Address:	185 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-387-0500

Document ID:	RIA0011221
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT2142A
Trans2 State ID:	Not reported
Generator Ship Date:	871112
Trans1 Recv Date:	871112
Trans2 Recv Date:	871113
TSD Site Recv Date:	871113
Part A Recv Date:	871223
Part B Recv Date:	871120
Generator EPA ID:	NYD001287770

FORMAN FAMILY INC (Continued) **1000295136**

Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	RID001200252
Waste Code:	F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

EPA ID:	NYD001287770
Country:	USA
Mailing Name:	FORMAN FAMILY INC
Mailing Contact:	FORMAN FAMILY INC
Mailing Address:	185-195 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-387-0500

Document ID:	RIA0011221
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT2142A
Trans2 State ID:	Not reported
Generator Ship Date:	871112
Trans1 Recv Date:	871112
Trans2 Recv Date:	871113
TSD Site Recv Date:	871113
Part A Recv Date:	871223
Part B Recv Date:	871120
Generator EPA ID:	NYD001287770
Trans1 EPA ID:	CTD980521280
Trans2 EPA ID:	Not reported
TSDF ID:	RID001200252
Waste Code:	F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

164 SW 1/8-1/4 0.203 mi. 1074 ft. | **CONSOLIDATED EDISON WYTHE AVE & S 8TH ST BROOKLYN, NY 11201** | **NY MANIFEST** | **S109064875 N/A**

Relative: Lower

Actual: 29 ft.

NY MANIFEST:

EPA ID:	NYP004156923
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-27
Trans1 Recv Date:	2008-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004156923
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	50.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001437214FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

CONSOLIDATED EDISON (Continued) **S109064875**

Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-27
Trans1 Recv Date:	2008-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004156923
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	50.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001437214FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	2008-02-27
Trans1 Recv Date:	2008-02-27
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-02-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004156923
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	50.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001437214FLE

CONSOLIDATED EDISON (Continued) **S109064875**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

AN165 **DANIEL ANDREYCZUK** **NY AST** **U003393319**
NE **287 BEDFORD AVE** **NY HIST AST** **N/A**
1/8-1/4 **BKLYN, NY 11211**
0.204 mi.
1076 ft. **Site 2 of 2 in cluster AN**

Relative:
Higher

Actual:
49 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-319392
Program Type:	PBS
UTM X:	587740.48025999998
UTM Y:	4507513.4204799999
Expiration Date:	2012/10/23

Affiliation Records:

Site Id:	14770
Affiliation Type:	Facility Owner
Company Name:	SAMUEL HYMOWITZ DDS
Contact Type:	PROPERTY MANAGER
Contact Name:	MATTHEW GROSEA
Address1:	82 DUCK POND DRIVE
Address2:	Not reported
City:	MANHASSET
State:	NY
Zip Code:	11030
Country Code:	001
Phone:	(718) 387-9011
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	11/7/2007

Site Id:	14770
Affiliation Type:	On-Site Operator
Company Name:	287 BEDFORD AVE CORP.
Contact Type:	Not reported
Contact Name:	ABLE MANAGEMENT II
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-9011

DANIEL ANDREYCZUK (Continued) **U003393319**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	11/7/2007

Site Id:	14770
Affiliation Type:	Emergency Contact
Company Name:	SAMUEL HYMOWITZ DDS
Contact Type:	Not reported
Contact Name:	MATTHEW
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 490-7556
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14770
Affiliation Type:	Mail Contact
Company Name:	ABLE MANAGEMENT
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	108 ROEBLING STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-9011
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	11/7/2007

Tank Info:

Tank Number:	001
Tank Id:	26734
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

DANIEL ANDREYCZUK (Continued) **U003393319**

	L09 - Piping Leak Detection - Exempt Suction Piping
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1910
Capacity Gallons:	2000
Tightness Test Method:	21
Date Test:	08/02/2007
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	11/07/2007

HIST AST:

PBS Number:	2-319392
SWIS Code:	6101
Operator:	RUMILO MALDONADO
Facility Phone:	(718) 387-6312
Facility Addr2:	287 BEDFORD AVE
Facility Type:	APARTMENT BUILDING
Emergency:	HIGHWAY UTILITIES FUEL CORP
Emergency Tel:	(718) 821-1111
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	DANIEL ANDREYCZUK
Owner Address:	287 BEDFORD AVE
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 387-6312
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	DANIEL ANDREYCZUK
Mailing Address:	287 BEDFORD AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 387-6312
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	08/14/1992
Expiration:	10/23/1997
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported

DANIEL ANDREYCZUK (Continued) **U003393319**

Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

AO166 **WILYESH REALTY CORP** **NY AST** **A100296774**
SSE **143 SOUTH 8THSTREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.206 mi.
1089 ft. **Site 1 of 2 in cluster AO**

Relative:
Higher

Actual:
45 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-337323
Program Type:	PBS
UTM X:	587612.62421000004
UTM Y:	4506991.5883099996
Expiration Date:	2007/10/29

Affiliation Records:

Site Id:	16166
Affiliation Type:	On-Site Operator
Company Name:	WILYESH REALTY CORP
Contact Type:	Not reported
Contact Name:	HIROSHI KARIYA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

WILYESH REALTY CORP (Continued) **A100296774**

Zip Code:	Not reported
Country Code:	999
Phone:	(718) 387-1504
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/28/2004

Site Id:	16166
Affiliation Type:	Emergency Contact
Company Name:	WILYESH REALTY CORP
Contact Type:	Not reported
Contact Name:	HIROSHI KARIYA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 387-1504
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/28/2004

Site Id:	16166
Affiliation Type:	Facility Owner
Company Name:	WILYESH REALTY CORP
Contact Type:	PRESIDENT
Contact Name:	HIROSHI KARIYA
Address1:	143 SOUTH 8TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-1504
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/28/2004

Site Id:	16166
Affiliation Type:	Mail Contact
Company Name:	WILYESH REALTY CORP
Contact Type:	PRESIDENT
Contact Name:	HIROSHI KARIYA
Address1:	143 SOUTH 8TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-1504
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR

WILYESH REALTY CORP (Continued) **A100296774**

Date Last Modified: 12/28/2004

Tank Info:

Tank Number: 001
Tank Id: 28634
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
B00 - Tank External Protection - None
K00 - Spill Prevention - None
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 1500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: KXTANG
Last Modified: 12/21/2004

AO167 **WILYESH REALTY CORP** **NY HIST UST** **U001839086**
SSE **143 S 8 ST** **N/A**
1/8-1/4 **BKLYN, NY 11211**
0.206 mi.
1089 ft. **Site 2 of 2 in cluster AO**

Relative:
Higher

Actual:
45 ft.

HIST UST:
PBS Number: 2-337323
SPDES Number: Not reported
Emergency Contact: LARS CEJERHOLM
Emergency Telephone: (718) 782-7331
Operator: HIROSH KARIYA
Operator Telephone: (718) 387-1504
Owner Name: WILYESH REALTY CORP
Owner Address: 143 S 8 ST
Owner City,St,Zip: BKLYN, NY 11211
Owner Telephone: (718) 387-1504
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: WILYESH REALTY CORP
Mailing Address: 143 S 8 ST
Mailing Address 2: Not reported
Mailing City,St,Zip: BKLYN, NY 11211

WILYESH REALTY CORP (Continued) **U001839086**

Mailing Contact:	BARBARA KARIYA
Mailing Telephone:	(718) 387-1504
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	143 S 8 ST
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	03/23/1998
Expiration Date:	10/29/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AL168 **SOUTH 2ND AVE & KENT AVE** **NY LTANKS** **S106703216**
NNW **SOUTH 2ND AVE & KENT AVE** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.208 mi.
1098 ft. **Site 2 of 2 in cluster AL**

Relative:
Lower

Actual:
19 ft.

LTANKS:

Site ID:	163233
Spill Number/Closed Date:	8800834 / 4/28/1988
Spill Date:	4/27/1988
Spill Cause:	Tank Overfill
Spill Source:	Vessel
Spill Class:	Not reported
Cleanup Ceased:	4/28/1988
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/27/1988
CID:	Not reported
Water Affected:	EAST RIVER
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	5/5/1988
Spill Record Last Update:	12/11/2003
Spiller Name:	Not reported
Spiller Company:	TRINITY SIERRA/BARGE
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	137678
DEC Memo:	Not reported
Remarks:	USCG WILL TRY TO INVESTIGATE, USCG WAITING FOR DEC TO NOTIFY THEM OF ANY ACTION.

Material:

Site ID:	163233
Operable Unit ID:	916323
Operable Unit:	01
Material ID:	460005
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AM169 **CLOSED-LACKOF RECENT INFO** **NY LTANKS** **S100144666**
WSW **390 KENT AVE** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
0.209 mi.
1103 ft. **Site 2 of 5 in cluster AM**

Relative:
Lower

Actual:
13 ft.

LTANKS:

Site ID:	262394
Spill Number/Closed Date:	8710648 / 3/4/2003
Spill Date:	3/21/1988
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	ADMIN. CLOSED
Referred To:	Not reported
Reported to Dept:	3/21/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/22/1988
Spill Record Last Update:	3/14/2003
Spiller Name:	Not reported
Spiller Company:	NYC- OWNS BLDG
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	214213
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"03/04/2003-Closed Due To The Nature / Extent Of The Spill Report
Remarks:	(2) 5K TANK SYSTEMS FAILED HORNER EZY CHECK, WOULDN'T STABILIZE IN STANDPIPE.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

Material:

Site ID:	262394
Operable Unit ID:	915506
Operable Unit:	01
Material ID:	462410
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported

CLOSED-LACKOF RECENT INFO (Continued) **S100144666**

Oxygenate: False

Tank Test:
Site ID: 262394
Spill Tank Test: 1533470
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

AM170 **NYCDOT ROOSEVELT AVE BRIDGE #Z240507** **RCRA NonGen / NLR** **1000791247**
WSW **ROOSEVELT AVE BRIDGE OVER** **FINDS** **NYD987027539**
1/8-1/4 **QUEENS, NY 11368** **NY MANIFEST**
0.209 mi.
1105 ft. **Site 3 of 5 in cluster AM**

Relative:
Lower

Actual:
12 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NYCDOT ROOSEVELT AVE BRIDGE #Z240507
Facility address: ROOSEVELT AVE BRIDGE OVER
VAN WYCK EXPWY
QUEENS, NY 11354
EPA ID: NYD987027539
Mailing address: KENT AVE
BROOKLYN, NY 11211
Contact: MARIO VOLPI
Contact address: KENT AVE
BROOKLYN, NY 11211
Contact country: US
Contact telephone: (718) 963-9213
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NYCDOT
Owner/operator address: 2 RECTOR ST - 4TH FLOOR
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 788-1721
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NYCDOT
Owner/operator address: 2 RECTOR ST - 4TH FLOOR
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 788-1721
Legal status: Municipal

NYCDOT ROOSEVELT AVE BRIDGE #Z240507 (Continued) **1000791247**

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCDOT ROOSEVELT AVE BRIDGE #Z240507
Classification: Not a generator, verified

Date form received by agency: 03/28/1994
Facility name: NYCDOT ROOSEVELT AVE BRIDGE #Z240507
Site name: NYC DOT
Classification: Large Quantity Generator

Date form received by agency: 02/05/1993
Facility name: NYCDOT ROOSEVELT AVE BRIDGE #Z240507
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110008084508

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD987027539
Country: USA
Mailing Name: NYSDOT
Mailing Contact: BUREAU OF BRIDGES
Mailing Address: 390 KENT AVE

NYCDOT ROOSEVELT AVE BRIDGE #Z240507 (Continued) **1000791247**

Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11217
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-963-9215

Document ID:	PAC6288531
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	PAAH0317
Generator Ship Date:	930609
Trans1 Recv Date:	930609
Trans2 Recv Date:	930612
TSD Site Recv Date:	930615
Part A Recv Date:	930729
Part B Recv Date:	930630
Generator EPA ID:	NYD987027539
Trans1 EPA ID:	NYD050592807
Trans2 EPA ID:	PAD982661381
TSDF ID:	PAD085690592
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	11700
Units:	P - Pounds
Number of Containers:	018
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	93

Document ID:	MIA4150321
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	MAINEV620
Trans2 State ID:	50140
Generator Ship Date:	960920
Trans1 Recv Date:	960920
Trans2 Recv Date:	961001
TSD Site Recv Date:	961007
Part A Recv Date:	961029
Part B Recv Date:	961104
Generator EPA ID:	NYD987027539
Trans1 EPA ID:	DCD981735244
Trans2 EPA ID:	DER000000273
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00700
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	96

AM171 WSW 1/8-1/4 0.209 mi. 1105 ft. | **DCAS KENT AVE SHOPS**
390 KENT AVENUE
BROOKLYN, NY 11211

Site 4 of 5 in cluster AM

NY UST | **U000405365**
NY HIST UST | **N/A**

Relative: Lower

Actual: 12 ft.

UST:

Id/Status:	2-217166 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2017/10/15
UTM X:	587155.65358000004
UTM Y:	4507188.1198000005

Affiliation Records:

Site Id:	8203
Affiliation Type:	On-Site Operator
Company Name:	DCAS KENT AVE SHOPS
Contact Type:	Not reported
Contact Name:	DANIEL NICOLELLA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-9350
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	5/30/2012

Site Id:	8203
Affiliation Type:	Mail Contact
Company Name:	DCAS - JOSEPH WAGNER CHIEF ENGINEER
Contact Type:	Not reported
Contact Name:	T. DECKER
Address1:	1 CENTRE STREET
Address2:	16TH FLOOR NORTH
City:	NEW YORK
State:	NY
Zip Code:	10007
Country Code:	001
Phone:	(212) 669-7244
EMail:	TDECKER@DCAS.NYC.GOV
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	5/30/2012

Site Id:	8203
Affiliation Type:	Emergency Contact
Company Name:	DCAS - JOSEPH WAGNER CHIEF ENGINEER
Contact Type:	Not reported
Contact Name:	THOMAS DECKER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

DCAS KENT AVE SHOPS (Continued) **U000405365**

Country Code:	999
Phone:	(917) 560-9176
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/5/2012

Site Id:	8203
Affiliation Type:	Facility Owner
Company Name:	DCAS - JOSEPH WAGNER CHIEF ENGINEER
Contact Type:	CHIEF ENGINEER
Contact Name:	JOSEPH WAGNER
Address1:	1 CENTRE ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10007
Country Code:	001
Phone:	(212) 669-7244
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	11/6/2012

Tank Info:

Tank Number:	001
Tank ID:	22474
Tank Status:	In Service
Capacity Gallons:	4000
Install Date:	01/01/1989
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	21
Date Test:	08/04/2011
Next Test Date:	08/04/2016
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	05/30/2012

Equipment Records:

B04 - Tank External Protection - Fiberglass
F00 - Pipe External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C03 - Pipe Location - Aboveground/Underground Combination
E99 - Piping Secondary Containment - Other
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

DCAS KENT AVE SHOPS (Continued) **U000405365**

I02 - Overfill - High Level Alarm

Tank Number:	002
Tank ID:	22475
Tank Status:	In Service
Capacity Gallons:	4000
Install Date:	01/01/1989
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	21
Date Test:	08/04/2011
Next Test Date:	08/04/2016
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	05/30/2012

Equipment Records:

B04 - Tank External Protection - Fiberglass
F00 - Pipe External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C03 - Pipe Location - Aboveground/Underground Combination
E99 - Piping Secondary Containment - Other
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm

HIST UST:

PBS Number:	2-217166
SPDES Number:	Not reported
Emergency Contact:	VICTOR STRAUB
Emergency Telephone:	(212) 669-7245
Operator:	MATT CURATOLA
Operator Telephone:	(718) 963-9350
Owner Name:	NYC. DEPT OF CITYWIDE ADMINISTRATIVE SERVICES DCAS
Owner Address:	1 CENTRE ST
Owner City,St,Zip:	NEW YORK, NY 10007
Owner Telephone:	(212) 669-7245
Owner Type:	Local Government
Owner Subtype:	The City of New York
Mailing Name:	NYC DEPT OF CITYWIDE ADMINISTRATIVE SERVICES DCAS
Mailing Address:	1 CENTRE ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10007
Mailing Contact:	Not reported
Mailing Telephone:	(212) 669-7245
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is

DCAS KENT AVE SHOPS (Continued) **U000405365**

	greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	390 KENT AVE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	06/01/2001
Expiration Date:	10/15/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	8000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	05/16/2001
Next Test Date:	05/16/2006
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	21
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service

DCAS KENT AVE SHOPS (Continued) **U000405365**

Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	05/16/2001
Next Test Date:	05/16/2006
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	21
Deleted:	False
Updated:	True
Lat/long:	Not reported

AP172 **156 SOUTH FIRST STREET** **NY AST** **A100291538**
ENE **156 SOUTH FIRST STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.210 mi.
1107 ft. **Site 1 of 2 in cluster AP**

Relative:
Higher

Actual:
49 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608211
Program Type:	PBS
UTM X:	587749.95637999999
UTM Y:	4507486.1253399998
Expiration Date:	2018/02/03

Affiliation Records:

Site Id:	30063
Affiliation Type:	Mail Contact
Company Name:	MICHAEL MUSIALOWSKI
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	78 TORRES RD
Address2:	Not reported
City:	RANCHOS DE TAOS
State:	NM
Zip Code:	87557
Country Code:	001
Phone:	(505) 901-1078
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/21/2013

Site Id:	30063

156 SOUTH FIRST STREET (Continued) **A100291538**

Affiliation Type:	On-Site Operator
Company Name:	156 SOUTH FIRST STREET
Contact Type:	Not reported
Contact Name:	RODRIGUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 782-7414
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30063
Affiliation Type:	Emergency Contact
Company Name:	GEORGE MUSIALOWSKI
Contact Type:	Not reported
Contact Name:	RODRIGUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 782-7414
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30063
Affiliation Type:	Facility Owner
Company Name:	ESTATE OF GEORGE MUSIALOWSKI
Contact Type:	OWNER
Contact Name:	GEORGE MUSIALOWSKI
Address1:	78 TORRES RD
Address2:	Not reported
City:	RANCHOS DE TAOS
State:	NM
Zip Code:	87557
Country Code:	001
Phone:	(718) 853-2600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/21/2013

Tank Info:

Tank Number:	001
Tank Id:	64899
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

156 SOUTH FIRST STREET (Continued) **A100291538**

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
B05 - Tank External Protection - Jacketed

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	03/15/1948
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	msbaptis
Last Modified:	12/03/2007

AK173 **EDR US Hist Auto Stat** **1015367824**
NNE **255 BERRY ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.210 mi.
1109 ft. **Site 3 of 4 in cluster AK**

Relative:
Lower

Actual:
44 ft.

EDR Historical Auto Stations:

Name:	GENERAL AUTO REPR
Year:	1999
Address:	255 BERRY ST
Name:	GENERAL AUTO REPR
Year:	2000
Address:	255 BERRY ST
Name:	GENERAL AUTO REPR
Year:	2001
Address:	255 BERRY ST
Name:	GENERAL AUTO REPR
Year:	2002
Address:	255 BERRY ST
Name:	GENERAL AUTO REPR
Year:	2003
Address:	255 BERRY ST
Name:	GENERAL AUTO REPR
Year:	2004
Address:	255 BERRY ST

(Continued) **1015367824**

Name: GENERAL AUTO REPR
Year: 2005
Address: 255 BERRY ST

Name: GENERAL AUTO REPR
Year: 2006
Address: 255 BERRY ST

Name: GENERAL AUTO REPR
Year: 2007
Address: 255 BERRY ST

Name: GENERAL AUTO REPAIR
Year: 2008
Address: 255 BERRY ST

AQ174 **743 DRIGGS AVE** **NY AST** **A100362319**
East **743 DRIGGS AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.210 mi.
1110 ft. **Site 1 of 4 in cluster AQ**

Relative:
Higher

Actual:
50 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-611880
Program Type: PBS
UTM X: Not reported
UTM Y: Not reported
Expiration Date: 2010/12/08

Affiliation Records:
Site Id: 468288
Affiliation Type: Facility Owner
Company Name: LOS SURES SIP HDFC
Contact Type: AGENT
Contact Name: CLEVIE A. STEWART
Address1: 1191 BROADWAY, 1ST FLOOR
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11221
Country Code: 001
Phone: (718) 443-4766
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 8/27/2012

Site Id: 468288
Affiliation Type: Mail Contact
Company Name: LOS SURES SIP HDFC C/O MHR MGT, INC
Contact Type: Not reported
Contact Name: MARTHA RODRIGUEZ
Address1: 1191 BROADWAY
Address2: 1ST FLOOR
City: BROOKLYN

743 DRIGGS AVE (Continued) **A100362319**

State:	NY
Zip Code:	11221
Country Code:	001
Phone:	(718) 443-4766
EMail:	MRODRIGUEZ@MHRMGMT.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	9/17/2012

Site Id:	468288
Affiliation Type:	On-Site Operator
Company Name:	743 DRIGGS AVE
Contact Type:	Not reported
Contact Name:	JESUS BONILLA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 767-9274
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/27/2012

Site Id:	468288
Affiliation Type:	Emergency Contact
Company Name:	LOS SURES SIP HDFC
Contact Type:	Not reported
Contact Name:	MARTHA RODRIGUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 443-4766
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	9/17/2012

Tank Info:

Tank Number:	001
Tank Id:	245402
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

743 DRIGGS AVE (Continued) **A100362319**

G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/08/2010
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	08/27/2012

AR175 **DRIGGS REALTY CO.** **NY TANKS** **S110772093**
SSE **854-862 DRIGGS AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.212 mi.
1118 ft. **Site 1 of 2 in cluster AR**

Relative:
Higher

Actual:
46 ft.

TANKS:

Facility Id:	2-608608
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2013/03/17
UTM X:	587642.06876000005
UTM Y:	4507036.3204500005

AS176 **11 BROADWAY** **NY UST** **U000407580**
WSW **11 BROADWAY** **NY HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211** **NY Spills**
0.212 mi.
1119 ft. **Site 1 of 2 in cluster AS**

Relative:
Lower

Actual:
17 ft.

UST:

Id/Status:	2-610460 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587155.23004000005
UTM Y:	4507169.9293299997

Affiliation Records:

Site Id:	376664
Affiliation Type:	Facility Owner
Company Name:	ZAGS BROADWAY LLC

11 BROADWAY (Continued) **U000407580**

Contact Type:	MEMBER/PRINCIPAL
Contact Name:	MICHAEL ZAZZA
Address1:	55 WASHINGTON ST #706
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201
Country Code:	001
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/16/2007

Site Id:	376664
Affiliation Type:	Emergency Contact
Company Name:	ZAGS BROADWAY LLC
Contact Type:	Not reported
Contact Name:	JOHN PATTEN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 531-8609
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	1/29/2007

Site Id:	376664
Affiliation Type:	Mail Contact
Company Name:	ZAZZA DEVELOPMENT GROUP
Contact Type:	Not reported
Contact Name:	JULIETA CELEBRINI
Address1:	55 WASHINGTON ST #706
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201
Country Code:	001
Phone:	(718) 643-9082
EMail:	JCELEBRINI@ZAZZAGROUP.COM
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/16/2007

Site Id:	376664
Affiliation Type:	On-Site Operator
Company Name:	11 BROADWAY
Contact Type:	Not reported
Contact Name:	JOHN PATTEN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

11 BROADWAY (Continued) **U000407580**

Zip Code:	Not reported
Country Code:	001
Phone:	(212) 531-8609
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	1/29/2007

Tank Info:

Tank Number:	001
Tank ID:	26781
Tank Status:	Closed - In Place
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	09/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number:	002
Tank ID:	26782
Tank Status:	Closed - In Place
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	09/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT

11 BROADWAY (Continued) **U000407580**

Last Modified: 03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number: 003
Tank ID: 26783
Tank Status: Closed - In Place
Capacity Gallons: 550
Install Date: 10/01/1980
Date Tank Closed: 09/01/1996
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: ZZ
Date Test: 10/01/1980
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number: 004
Tank ID: 26784
Tank Status: Closed - In Place
Capacity Gallons: 550
Install Date: 10/01/1980
Date Tank Closed: 09/01/1996
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: ZZ
Date Test: 10/01/1980
Next Test Date: Not reported

11 BROADWAY (Continued) **U000407580**

Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number: 005
Tank ID: 26785
Tank Status: Closed - In Place
Capacity Gallons: 550
Install Date: 10/01/1980
Date Tank Closed: 09/01/1996
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: ZZ
Date Test: 10/01/1980
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number: 006
Tank ID: 26786
Tank Status: Closed - In Place
Capacity Gallons: 550
Install Date: 10/01/1980
Date Tank Closed: 09/01/1996
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: ZZ

11 BROADWAY (Continued) **U000407580**

Date Test: 10/01/1980
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number: 100
Tank ID: 215599
Tank Status: Closed - Removed
Capacity Gallons: 4000
Install Date: 01/01/1920
Date Tank Closed: 01/10/2007
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number: 200
Tank ID: 215600
Tank Status: Closed - Removed
Capacity Gallons: 550
Install Date: 01/01/1920
Date Tank Closed: 01/10/2007
Registered: True

11 BROADWAY (Continued) **U000407580**

Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	300
Tank ID:	215601
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None

11 BROADWAY (Continued) **U000407580**

L00 - Piping Leak Detection - None

Tank Number:	400
Tank ID:	215602
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	450
Tank ID:	215603
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None

11 BROADWAY (Continued) **U000407580**

B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	500
Tank ID:	215604
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	550
Tank ID:	215605
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

11 BROADWAY (Continued) **U000407580**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	600
Tank ID:	215606
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	650
Tank ID:	215607

11 BROADWAY (Continued) **U000407580**

Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	700
Tank ID:	215608
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None

11 BROADWAY (Continued) **U000407580**

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	750
Tank ID:	215609
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	800
Tank ID:	215611
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported

11 BROADWAY (Continued) **U000407580**

Modified By: KXTANG
Last Modified: 02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number: 850
Tank ID: 215612
Tank Status: Closed - Removed
Capacity Gallons: 1200
Install Date: 01/01/1920
Date Tank Closed: 01/10/2007
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Affiliation Records:
Site Id: 47
Affiliation Type: Facility Owner
Company Name: 8TH STREET SERVICE STATION INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 11 BROADWAY

11 BROADWAY (Continued) **U000407580**

Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	47
Affiliation Type:	Mail Contact
Company Name:	8TH STREET SERVICE STATION INC
Contact Type:	Not reported
Contact Name:	ALLAN SILVERMAN
Address1:	11 BROADWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	47
Affiliation Type:	On-Site Operator
Company Name:	8TH STREET SERVICE STATION INC
Contact Type:	Not reported
Contact Name:	ALLEN SILVERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	47
Affiliation Type:	Emergency Contact
Company Name:	8TH STREET SERVICE STATION INC
Contact Type:	Not reported
Contact Name:	ALLEN SILVERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-4100

11 BROADWAY (Continued) **U000407580**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	26781
Tank Status:	Closed - In Place
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	09/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number:	002
Tank ID:	26782
Tank Status:	Closed - In Place
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	09/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating

11 BROADWAY (Continued) **U000407580**

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number:	003
Tank ID:	26783
Tank Status:	Closed - In Place
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	09/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number:	004
Tank ID:	26784
Tank Status:	Closed - In Place
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	09/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

11 BROADWAY (Continued) **U000407580**

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number:	005
Tank ID:	26785
Tank Status:	Closed - In Place
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	09/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number:	006
Tank ID:	26786
Tank Status:	Closed - In Place
Capacity Gallons:	550
Install Date:	10/01/1980
Date Tank Closed:	09/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1980
Next Test Date:	Not reported
Pipe Model:	Not reported

11 BROADWAY (Continued) **U000407580**

Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground

Tank Number: 100
Tank ID: 215599
Tank Status: Closed - Removed
Capacity Gallons: 4000
Install Date: 01/01/1920
Date Tank Closed: 01/10/2007
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number: 200
Tank ID: 215600
Tank Status: Closed - Removed
Capacity Gallons: 550
Install Date: 01/01/1920
Date Tank Closed: 01/10/2007
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009

11 BROADWAY (Continued) **U000407580**

Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number: 300
Tank ID: 215601
Tank Status: Closed - Removed
Capacity Gallons: 550
Install Date: 01/01/1920
Date Tank Closed: 01/10/2007
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

11 BROADWAY (Continued) **U000407580**

Tank Number:	400
Tank ID:	215602
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	450
Tank ID:	215603
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

11 BROADWAY (Continued) **U000407580**

I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	500
Tank ID:	215604
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	550
Tank ID:	215605
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported

11 BROADWAY (Continued) **U000407580**

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2007

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number: 600
Tank ID: 215606
Tank Status: Closed - Removed
Capacity Gallons: 550
Install Date: 01/01/1920
Date Tank Closed: 01/10/2007
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number: 650
Tank ID: 215607
Tank Status: Closed - Removed
Capacity Gallons: 550

11 BROADWAY (Continued) **U000407580**

Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	700
Tank ID:	215608
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

11 BROADWAY (Continued) **U000407580**

D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	750
Tank ID:	215609
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	800
Tank ID:	215611
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

11 BROADWAY (Continued) **U000407580**

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

Tank Number:	850
Tank ID:	215612
Tank Status:	Closed - Removed
Capacity Gallons:	1200
Install Date:	01/01/1920
Date Tank Closed:	01/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	02/16/2007

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None

HIST UST:

PBS Number:	2-004529
SPDES Number:	Not reported
Emergency Contact:	ALLEN SILVERMAN
Emergency Telephone:	(718) 388-4100
Operator:	ALLEN SILVERMAN
Operator Telephone:	(718) 388-4100
Owner Name:	8TH STREET SERVICE STATION INC
Owner Address:	11 BROADWAY

11 BROADWAY (Continued) **U000407580**

Owner City,St,Zip:	BROOKLYN, NY 11211
Owner Telephone:	(718) 388-4100
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	8TH STREET SERVICE STATION INC
Mailing Address:	11 BROADWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	ALLAN SILVERMAN
Mailing Telephone:	(718) 388-4100
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	11 BROADWAY
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/29/1992
Expiration Date:	02/03/1998
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19801001
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1980
Next Test Date:	Not reported

11 BROADWAY (Continued) **U000407580**

Missing Data for Tank:	No Missing Data
Date Closed:	09/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19801001
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1980
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	09/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19801001
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1980
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	09/01/1996
Test Method:	Not reported

11 BROADWAY (Continued) **U000407580**

Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19801001
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1980
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	09/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19801001
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1980
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	09/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

11 BROADWAY (Continued) **U000407580**

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19801001
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1980
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	09/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

SPILLS:

Facility ID:	1011667
DER Facility ID:	400386
Facility Type:	ER
Site ID:	445553
DEC Region:	2
Spill Date:	2/22/2011
Spill Number/Closed Date:	1011667 / 10/13/2011
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	2/22/2011
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/22/2011
Spill Record Last Update:	10/13/2011
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY

11 BROADWAY (Continued) **U000407580**

Spiller Company: 999
Contact Name: PAUL CIMINELLO
Contact Phone: Not reported
DEC Memo: 02/23/11 Responded to the site on 02/22/11. Soil excavation is being conducted at the site presently. Eleven 550's found close to the south 6th street area.Tank were pumped out by PTC. Onsite supervisor Al Regino told me that the tanks did not have product in it and were encased in concrete.However, contaminated soil was discovered around the tank area and were stockpiled on a plastic sheet for offsite disposal. End point samples were taken from the tank area.Environmental consultant ECO Systems Strategis Inc.(sr)04/07/11 Spoke with Richard Hooker, Project Manager for the site from Ecosystems Strategies, Inc. Tank closure report for the newly found tank will be sent to DEC by next week.(sr)08/12/11 Tank closure report in edocs. Eleven(550's) gasoline and one 550 gallon fuel oil tank were removed from the site. Site map in the report. Tanks were resting in poured concrete.Contaminated soil was excavated down to 14 ft below the grade. End point samples were taken from the base of the excavation and from the sidewalls. No VOCs were detected above the guidance value in soil samples.Ground water samples were analyzed as part of the Spill 0703828.report in edocs.(sr)
Remarks: contamination found during excavation

Material:
Site ID: 445553
Operable Unit ID: 1195937
Operable Unit: 01
Material ID: 2192027
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AS177 **MOBIL S/S 17-BJ4** **NY UST** **U001839146**
WSW **11 BROADWAY (KENT AVE)** **NY HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.212 mi.
1120 ft. **Site 2 of 2 in cluster AS**

Relative:
Lower

Actual:
17 ft.

UST:
Id/Status: 2-157406 / Administratively Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 587141.20579000004
UTM Y: 4507147.1994500002

Affiliation Records:
Site Id: 5209

MOBIL S/S 17-BJ4 (Continued) **U001839146**

Affiliation Type:	Mail Contact
Company Name:	MOBIL OIL CORPORATION ATTN: J. PRINGLE
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	P O BOX 142667
Address2:	Not reported
City:	AUSTIN
State:	TX
Zip Code:	78714
Country Code:	001
Phone:	(703) 849-5862
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	5209
Affiliation Type:	On-Site Operator
Company Name:	MOBIL S/S 17-BJ4
Contact Type:	Not reported
Contact Name:	A SILVERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	5209
Affiliation Type:	Emergency Contact
Company Name:	MOBIL OIL CORP;ATT:A.J.PRINGLE
Contact Type:	Not reported
Contact Name:	A SILVERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	5209
Affiliation Type:	Facility Owner
Company Name:	MOBIL OIL CORP;ATT:A.J.PRINGLE
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	3225 GALLOWS RD.; ENV.ENGINEER
Address2:	Not reported

MOBIL S/S 17-BJ4 (Continued) **U001839146**

City:	FAIRFAX
State:	VA
Zip Code:	22037
Country Code:	001
Phone:	(703) 849-5862
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	3/10/2010

Tank Info:

Tank Number:	001
Tank ID:	29960
Tank Status:	Administratively Closed
Capacity Gallons:	550
Install Date:	12/01/1966
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	09/29/2004

Equipment Records:

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
I00 - Overfill - None

Tank Number:	002
Tank ID:	29961
Tank Status:	Administratively Closed
Capacity Gallons:	550
Install Date:	12/01/1966
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

MOBIL S/S 17-BJ4 (Continued) **U001839146**

Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 09/29/2004

Equipment Records:

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
I00 - Overfill - None

Tank Number: 003
Tank ID: 29962
Tank Status: Administratively Closed
Capacity Gallons: 550
Install Date: 12/01/1966
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 09/29/2004

Equipment Records:

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
I00 - Overfill - None

Tank Number: 004
Tank ID: 29963
Tank Status: Administratively Closed
Capacity Gallons: 550
Install Date: 12/01/1966
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN

MOBIL S/S 17-BJ4 (Continued) **U001839146**

Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	09/29/2004

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number:	005
Tank ID:	29964
Tank Status:	Administratively Closed
Capacity Gallons:	550
Install Date:	12/01/1966
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	09/29/2004

Equipment Records:

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
I00 - Overfill - None

Tank Number:	006
Tank ID:	29965
Tank Status:	Administratively Closed
Capacity Gallons:	550
Install Date:	12/01/1966
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

MOBIL S/S 17-BJ4 (Continued) **U001839146**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 09/29/2004

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B00 - Tank External Protection - None
I00 - Overfill - None

HIST UST:

PBS Number: 2-157406
SPDES Number: Not reported
Emergency Contact: A SILVERMAN
Emergency Telephone: (212) 388-4100
Operator: A SILVERMAN
Operator Telephone: (212) 388-4100
Owner Name: MOBIL OIL CORP;ATT:A.J.PRINGLE
Owner Address: 3225 GALLOWS RD.; ENV.ENGINEER
Owner City,St,Zip: FAIRFAX, VA 22037
Owner Telephone: (703) 849-5862
Owner Type: Not reported
Owner Subtype: Mobil Oil Company
Mailing Name: MOBIL OIL CORPORATION ATTN: J. PRINGLE
Mailing Address: P O BOX 142667
Mailing Address 2: Not reported
Mailing City,St,Zip: AUSTIN, TX 78714
Mailing Contact: Not reported
Mailing Telephone: (703) 849-5862
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2: 11 BROADWAY
SWIS ID: 6101
Old PBS Number: Not reported
Facility Type: Not reported
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False
Certification Date: 10/29/1987
Expiration Date: 10/29/1992
Renew Flag: False
Renewal Date: Not reported
Total Capacity: 3300
FAMT: True
Facility Screen: Minor Data Missing
Owner Screen: Minor Data Missing

MOBIL S/S 17-BJ4 (Continued) **U001839146**

Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19661201
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19661201
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported

MOBIL S/S 17-BJ4 (Continued) **U001839146**

Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19661201
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19661201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

MOBIL S/S 17-BJ4 (Continued) **U001839146**

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19661201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19661201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

AT178 **STATEST REALTY CORP.** **NY AST** **U000396548**
East **182 SOUTH 3RD STREET** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.213 mi.
1123 ft. **Site 1 of 3 in cluster AT**

Relative:
Higher

Actual:
48 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-110094
Program Type:	PBS
UTM X:	587863.83845000004
UTM Y:	4507248.3120600004
Expiration Date:	2017/06/05

Affiliation Records:

Site Id:	3347
Affiliation Type:	Mail Contact
Company Name:	COASTAL COMBUSTION CORPORATION
Contact Type:	Not reported
Contact Name:	MICHAEL LACERTOSA,JR.
Address1:	Not reported
Address2:	P.O. BOX 36
City:	COMMACK
State:	NY
Zip Code:	11725
Country Code:	001
Phone:	(800) 734-4328
EMail:	COASTALCOMBCORP@AOL.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/17/2012

Site Id:	3347
Affiliation Type:	Facility Owner
Company Name:	STATEST REALTY CORP
Contact Type:	PRESIDENT
Contact Name:	JOEL STEINMETZ
Address1:	209 LEE AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11206
Country Code:	001
Phone:	(718) 384-0021
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/17/2012

Site Id:	3347
Affiliation Type:	On-Site Operator
Company Name:	STATEST REALTY CORP.
Contact Type:	Not reported
Contact Name:	JOE RODRIQUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

STATEST REALTY CORP. (Continued) **U000396548**

Zip Code:	Not reported
Country Code:	001
Phone:	(718) 384-5260
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3347
Affiliation Type:	Emergency Contact
Company Name:	STATEST REALTY CORP
Contact Type:	Not reported
Contact Name:	COASTAL COMBUSTION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(800) 734-4328
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	7887
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
E01 - Piping Secondary Containment - Diking (Aboveground)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/01/1959
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True

STATEST REALTY CORP. (Continued) **U000396548**

Modified By: MSBAPTIS
Last Modified: 05/17/2012

HIST AST:

PBS Number:	2-110094
SWIS Code:	6101
Operator:	JOE RODRIQUEZ
Facility Phone:	(718) 384-5260
Facility Addr2:	Not reported
Facility Type:	APARTMENT BUILDING
Emergency:	COASTAL COMBUSTION
Emergency Tel:	(800) 734-4328
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	STATEST REALTY CORP
Owner Address:	209 LEE AVE
Owner City,St,Zip:	BROOKLYN, NY 11206
Federal ID:	Not reported
Owner Tel:	(718) 384-0021
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	MICHAEL LACERTOSA,JR.
Mailing Name:	COASTAL COMBUSTION CORPORATION
Mailing Address:	1314 JERICHO TURNPIKE
Mailing Address 2:	P.O. BOX 23
Mailing City,St,Zip:	NEW HYDE PARK, NY 11040
Mailing Telephone:	(800) 734-4328
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/23/1998
Expiration:	06/05/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel

STATEST REALTY CORP. (Continued) **U000396548**

Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

AM179 **21GS TRUCK RENTING** **NY UST** **U000407582**
WSW **395 KENT AVENUE** **NY HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.213 mi.
1124 ft. **Site 5 of 5 in cluster AM**

Relative:
Lower

Actual:
12 ft.

UST:

Id/Status:	2-005355 / Administratively Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587147.98323000001
UTM Y:	4507169.2558700005

Affiliation Records:

Site Id:	51
Affiliation Type:	On-Site Operator
Company Name:	21GS TRUCK RENTING
Contact Type:	Not reported
Contact Name:	ALLEN SILVERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	51
Affiliation Type:	Emergency Contact
Company Name:	ALLEN & STOOLE SILVERMAN
Contact Type:	Not reported
Contact Name:	ALLEN SILVERMAN

21GS TRUCK RENTING (Continued) **U000407582**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	51
Affiliation Type:	Facility Owner
Company Name:	ALLEN & STOOLE SILVERMAN
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1543 BAY BLVD
Address2:	Not reported
City:	ALANTIC
State:	NY
Zip Code:	11509
Country Code:	001
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	51
Affiliation Type:	Mail Contact
Company Name:	ALLEN & STOOLE SILVERMAN
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1543 BAY BLVD
Address2:	Not reported
City:	ALANTIC
State:	NY
Zip Code:	11509
Country Code:	001
Phone:	(718) 388-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	26794
Tank Status:	Administratively Closed
Capacity Gallons:	550
Install Date:	12/01/1965
Date Tank Closed:	12/01/1992
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel

21GS TRUCK RENTING (Continued) **U000407582**

Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number: 002
Tank ID: 26795
Tank Status: Administratively Closed
Capacity Gallons: 550
Install Date: 12/01/1965
Date Tank Closed: 12/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number: 003
Tank ID: 26796
Tank Status: Administratively Closed
Capacity Gallons: 550
Install Date: 12/01/1965
Date Tank Closed: 12/01/1992
Registered: True

21GS TRUCK RENTING (Continued) **U000407582**

Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number: 004
Tank ID: 26797
Tank Status: Administratively Closed
Capacity Gallons: 4000
Install Date: 12/01/1965
Date Tank Closed: 12/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: 20
Date Test: 10/30/2002
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

HIST UST:
PBS Number: 2-005355
SPDES Number: Not reported
Emergency Contact: ALLEN SILVERMAN
Emergency Telephone: (718) 388-4100
Operator: ALLEN SILVERMAN

21GS TRUCK RENTING (Continued) **U000407582**

Operator Telephone:	(718) 388-4100
Owner Name:	ALLEN & STOOLE SILVERMAN
Owner Address:	1543 BAY BLVD
Owner City,St,Zip:	ALANTIC, NY 11509
Owner Telephone:	(718) 388-4100
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	ALLEN & STOOLE SILVERMAN
Mailing Address:	1543 BAY BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ALANTIC, NY 11509
Mailing Contact:	Not reported
Mailing Telephone:	(718) 388-4100
Owner Mark:	First Owner
Facility Status:	3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated).
Facility Addr2:	395 KENT AVENUE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	02/03/1988
Expiration Date:	02/03/1993
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19651201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None

21GS TRUCK RENTING (Continued) **U000407582**

Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19651201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19651201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported

21GS TRUCK RENTING (Continued) **U000407582**

Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19651201
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	12/27/1987
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

AR180 **DRIGBY CORP** **NY AST** **U003386051**
SSE **853 DRIGGS AVE** **NY HIST AST** **N/A**
1/8-1/4 **BKLYN, NY 11211**
0.213 mi.
1124 ft. **Site 2 of 2 in cluster AR**

Relative:
Higher

Actual:
46 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-271020
Program Type:	PBS
UTM X:	587676.65923999995
UTM Y:	4507018.9100400005
Expiration Date:	2017/06/18

Affiliation Records:

Site Id:	11417
Affiliation Type:	Mail Contact
Company Name:	DRIGBY CORP
Contact Type:	Not reported
Contact Name:	AMY RUBENSTEIN
Address1:	185 BROADWAY

DRIGBY CORP (Continued) **U003386051**

Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/23/2012

Site Id:	11417
Affiliation Type:	On-Site Operator
Company Name:	DRIGBY CORP
Contact Type:	Not reported
Contact Name:	WILFREDO COCOM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/23/2012

Site Id:	11417
Affiliation Type:	Emergency Contact
Company Name:	DRIGBY CORP
Contact Type:	Not reported
Contact Name:	WILFREDO COCOM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/23/2012

Site Id:	11417
Affiliation Type:	Facility Owner
Company Name:	DRIGBY CORP
Contact Type:	SECRETARY
Contact Name:	DRIGBY
Address1:	185 BROADWAY
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0500

DRIGBY CORP (Continued) **U003386051**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	3/1/2007

Tank Info:

Tank Number:	001
Tank Id:	9069
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/24/1956
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	07/23/2012

HIST AST:

PBS Number:	2-271020
SWIS Code:	6101
Operator:	O LUKE
Facility Phone:	(718) 387-0500
Facility Addr2:	853 DRIGGS AVE
Facility Type:	APARTMENT BUILDING
Emergency:	MILEN MILANON
Emergency Tel:	(718) 387-0500
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	DRIGBY CORP
Owner Address:	185 BROADWAY
Owner City,St,Zip:	BKLYN, NY 11211
Federal ID:	Not reported

DRIGBY CORP (Continued) **U003386051**

Owner Tel:	(718) 387-0500
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	DRIGBY CORP
Mailing Address:	185 BROADWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BKLYN, NY 11211
Mailing Telephone:	(718) 387-0500
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/02/1997
Expiration:	06/18/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

AQ181 **NYNEX** **NY MANIFEST** **1009233921**
East **SO 2ND ST & DRIGGS AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11213**
0.215 mi.
1135 ft. **Site 2 of 4 in cluster AQ**

Relative:
Higher

Actual:
50 ft.

NY MANIFEST:

EPA ID:	NYP000923029
Country:	USA
Mailing Name:	NYNEX
Mailing Contact:	JOSE E RODRIGUEZ
Mailing Address:	221 EAST 37TH ST/4TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10016
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-395-6040

Document ID:	NJA2133533
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	951215
Trans1 Recv Date:	951215
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951219
Part A Recv Date:	Not reported
Part B Recv Date:	960122
Generator EPA ID:	NYP000923029
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

AP182 **160 SOUTH 1ST ST** **NY AST** **U003384648**
ENE **160 SOUTH 1ST ST** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.215 mi.
1136 ft. **Site 2 of 2 in cluster AP**

Relative:
Higher

Actual:
49 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-116548
Program Type:	PBS
UTM X:	587801.78838000004
UTM Y:	4507463.0877799997
Expiration Date:	2012/03/24

160 SOUTH 1ST ST (Continued) **U003384648**

Affiliation Records:

Site Id:	3926
Affiliation Type:	Mail Contact
Company Name:	SANTIAGO BROS INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	160 SOUTH 1ST ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0639
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3926
Affiliation Type:	On-Site Operator
Company Name:	160 SOUTH 1ST ST
Contact Type:	Not reported
Contact Name:	MIGUEL SANTIAGO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-0639
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3926
Affiliation Type:	Emergency Contact
Company Name:	SANTIAGO BROS INC
Contact Type:	Not reported
Contact Name:	MIGUEL SANTIAGO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-0639
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3926
Affiliation Type:	Facility Owner
Company Name:	SANTIAGO BROS INC
Contact Type:	PRES
Contact Name:	MIGUEL SANTIAGO

160 SOUTH 1ST ST (Continued) **U003384648**

Address1:	160 SOUTH 1ST ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 387-0639
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	1/4/2007

Tank Info:

Tank Number:	001
Tank Id:	4142
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
F06 - Pipe External Protection - Wrapped
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1912
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	msbaptis
Last Modified:	01/04/2007

HIST AST:

PBS Number:	2-116548
SWIS Code:	6101
Operator:	MIGUEL SANTIAGO
Facility Phone:	(718) 387-0639
Facility Addr2:	160 SOUTH 1ST ST
Facility Type:	APARTMENT BUILDING
Emergency:	MIGUEL SANTIAGO
Emergency Tel:	(718) 387-0639
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported

160 SOUTH 1ST ST (Continued) **U003384648**

Result of Inspection:	Not reported
Owner Name:	SANTIAGO BROS INC
Owner Address:	160 SOUTH 1ST ST
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 387-0639
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	SANTIAGO BROS INC
Mailing Address:	160 SOUTH 1ST ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 387-0639
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	12/28/2001
Expiration:	03/24/2007
Renew Flag:	False
Renew Date:	20011113
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	6
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported

160 SOUTH 1ST ST (Continued) **U003384648**

Deleted: False
Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

AU183 **WATERVIEW GARDENS LLC** **NY UST** **U001838841**
SW **44 SOUTH 8TH ST** **NY HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.218 mi.
1149 ft. **Site 1 of 3 in cluster AU**

Relative:
Lower

Actual:
25 ft.

UST:
Id/Status: 2-004502 / Unregulated
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 587202.29931000003
UTM Y: 4507051.6137899999

Affiliation Records:
Site Id: 45
Affiliation Type: Facility Owner
Company Name: WATERVIEW GARDENS LLC
Contact Type: OWNER
Contact Name: B. JACOBOWITZ
Address1: 98 CUTTER MILL RD.
Address2: Not reported
City: GREAT NECK
State: NY
Zip Code: 11021
Country Code: 001
Phone: (516) 829-2428
EMail: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 8/20/2007

Site Id: 45
Affiliation Type: Mail Contact
Company Name: WATERVIEW GARDENS LLC
Contact Type: OWNER
Contact Name: B. JACOBOWITZ
Address1: 98 CUTTER MILL RD.
Address2: Not reported
City: GREAT NECK
State: NY
Zip Code: 11021
Country Code: 001
Phone: (516) 829-2428
EMail: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 8/20/2007

Site Id: 45
Affiliation Type: On-Site Operator
Company Name: WATERVIEW GARDENS LLC

WATERVIEW GARDENS LLC (Continued) **U001838841**

Contact Type:	Not reported
Contact Name:	VACANT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 829-2428
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	8/20/2007

Site Id:	45
Affiliation Type:	Emergency Contact
Company Name:	WATERVIEW GARDENS LLC
Contact Type:	Not reported
Contact Name:	VACANT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(519) 829-2428
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	8/20/2007

Tank Info:

Tank Number:	001
Tank ID:	26779
Tank Status:	Closed - Removed
Capacity Gallons:	4000
Install Date:	10/01/1984
Date Tank Closed:	08/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel

Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DXLIVING
Last Modified:	08/20/2007

Equipment Records:

I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None

WATERVIEW GARDENS LLC (Continued) **U001838841**

D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
H00 - Tank Leak Detection - None

Tank Number:	002
Tank ID:	26780
Tank Status:	Closed - Removed
Capacity Gallons:	4000
Install Date:	10/01/1984
Date Tank Closed:	08/10/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DXLIVING
Last Modified:	08/20/2007

Equipment Records:

I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
H00 - Tank Leak Detection - None

HIST UST:

PBS Number:	2-004502
SPDES Number:	Not reported
Emergency Contact:	JOE DIGENNARO
Emergency Telephone:	(516) 775-5198
Operator:	JOE DIGENNARO
Operator Telephone:	(718) 782-3358
Owner Name:	HERMAN & PAUL GLANTZ
Owner Address:	44 SOUTH 8TH ST
Owner City,St,Zip:	BROOKLYN, NY 11211
Owner Telephone:	(718) 782-3358
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Name:	HERMAN & PAUL GLANTZ
Mailing Address:	44 SOUTH 8TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	Not reported
Mailing Telephone:	(718) 782-3358
Owner Mark:	First Owner

WATERVIEW GARDENS LLC (Continued) **U001838841**

Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	44 SOUTH 8TH ST
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	10/09/1998
Expiration Date:	10/23/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	8000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19841001
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	10/01/1994
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND

WATERVIEW GARDENS LLC (Continued) **U001838841**

Tank Status:	In Service
Install Date:	19841001
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	10/01/1994
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AU184 **UNITED STATES TRUCKING CO** **RCRA NonGen / NLR** **1000398414**
SW **44 S 8TH ST** **FINDS** **NYD084082247**
1/8-1/4 **BROOKLYN, NY 11211**
0.218 mi.
1149 ft. **Site 2 of 3 in cluster AU**

Relative:
Lower

Actual:
25 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	UNITED STATES TRUCKING CO
Facility address:	44 S 8TH ST BROOKLYN, NY 11211
EPA ID:	NYD084082247
Mailing address:	S 8TH ST BROOKLYN, NY 11211
Contact:	JOHN ZINKO
Contact address:	S 8TH ST BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	(718) 963-6040
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HERMAN & PAUL GLANTZ
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported

UNITED STATES TRUCKING CO (Continued) **1000398414**

Owner/Op end date: Not reported

Owner/operator name: HERMAN & PAUL GLANTZ
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: UNITED STATES TRUCKING CO
Classification: Not a generator, verified

Date form received by agency: 03/18/1981
Facility name: UNITED STATES TRUCKING CO
Classification: Unverified

Violation Status: No violations found

FINDS:

Registry ID: 110004372660

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AV185	**RADIAC RESEARCH CORP**	**RCRA-TSDF**	**1000245435**
NNW	**33 S 1ST ST**	**CORRACTS**	**NYD049178296**
1/8-1/4	**BROOKLYN, NY 11249**	**RCRA-CESQG**	
0.219 mi.		**FTTS**	
1154 ft.	**Site 1 of 4 in cluster AV**	**HIST FTTS**	
		PADS	
Relative:		**FINDS**	
Lower		**NJ MANIFEST**	
		RI MANIFEST	
Actual:		**2020 COR ACTION**	
31 ft.			

RCRA-TSDF:

Date form received by agency:	10/02/2012
Facility name:	RADIAC RESEARCH CORP
Facility address:	33 S 1ST ST BROOKLYN, NY 11249
EPA ID:	NYD049178296
Mailing address:	KENT AVE BROOKLYN, NY 11249
Contact:	JOHN V TEKIN JR
Contact address:	KENT AVE BROOKLYN, NY 11249
Contact country:	US
Contact telephone:	(718) 963-2233
Telephone ext.:	201
Contact email:	JTEKIN@RADIACENV.COM
EPA Region:	02
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	RADIAC RESEARCH CORP
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/04/1986
Owner/Op end date:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Owner/operator name: SAM & ETHEL LOEFFLER
Owner/operator address: ALTON PKWY
SILVER SPRINGS, MD 20910
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/05/1974
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2007
Facility name: RADIAC RESEARCH CORP
Classification: Large Quantity Generator

Date form received by agency: 02/08/2006
Facility name: RADIAC RESEARCH CORP
Classification: Not a generator, verified

Date form received by agency: 02/07/2006
Facility name: RADIAC RESEARCH CORP
Classification: Large Quantity Generator

Date form received by agency: 02/23/2004
Facility name: RADIAC RESEARCH CORP
Classification: Not a generator, verified

Date form received by agency: 02/11/2002
Facility name: RADIAC RESEARCH CORP
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Facility name: RADIAC RESEARCH CORP
Site name: RADIAC RESEARCH CORP.
Classification: Large Quantity Generator

Date form received by agency: 07/29/1999
Facility name: RADIAC RESEARCH CORP
Classification: Large Quantity Generator

RADIAC RESEARCH CORP (Continued) **1000245435**

Date form received by agency: 02/27/1998
Facility name: RADIAC RESEARCH CORP
Classification: Small Quantity Generator

Date form received by agency: 03/06/1996
Facility name: RADIAC RESEARCH CORP
Site name: RADIAC RESEARCH CORP.
Classification: Not a generator, verified

Date form received by agency: 03/25/1994
Facility name: RADIAC RESEARCH CORP
Classification: Not a generator, verified

Date form received by agency: 02/27/1992
Facility name: RADIAC RESEARCH CORP
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: RADIAC RESEARCH CORP
Site name: RADIAC RESEARCH CORPORATION
Classification: Not a generator, verified

Date form received by agency: 11/19/1980
Facility name: RADIAC RESEARCH CORP
Classification: Not a generator, verified

Date form received by agency: 07/21/1980
Facility name: RADIAC RESEARCH CORP
Classification: Unverified

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Corrective Action Summary:
Event date: 11/29/1985
Event: RFA Completed

Event date: 02/10/1993
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 12/28/2000
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 12/28/2000
Event: RFA Completed

Event date: 09/24/2009
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of

RADIAC RESEARCH CORP (Continued) **1000245435**

Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 09/24/2009
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 09/24/2009
Event: CA550NR

Event date: 09/24/2009
Event: Corrective Action Process Terminated

Event date: 09/24/2009
Event: Date For Remedy Selection (CM Imposed)

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 11/03/2006
Date achieved compliance: 09/05/2008
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/28/2008
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/05/2008
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 11/03/2006
Date achieved compliance: 09/05/2008
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/28/2008
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 09/05/2008
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

RADIAC RESEARCH CORP (Continued) **1000245435**

Regulation violated: SR - 373 Permit/373-2.3(b)
Area of violation: TSD - General
Date violation determined: 06/24/2004
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/14/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 373 Permit/373-2.9(h)(3)
Area of violation: TSD - General
Date violation determined: 06/24/2004
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/14/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 373 Permit
Area of violation: TSD - General
Date violation determined: 06/24/2004
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/14/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - Manifest and Recordkeeping
Date violation determined: 05/08/2001
Date achieved compliance: 06/21/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Area of violation: LDR - General
Date violation determined: 03/28/2000
Date achieved compliance: 09/08/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/28/2000
Date achieved compliance: 09/08/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/27/1999
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 20000
Paid penalty amount: 20000

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 09/27/1999
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 20000
Paid penalty amount: 20000

Regulation violated: Not reported
Area of violation: LDR - General

RADIAC RESEARCH CORP (Continued) **1000245435**

Date violation determined: 09/27/1999
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 02/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 20000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/27/1999
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 02/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 20000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6nycrr373-2.3(d) & Permit Cond
Area of violation: TSD - General
Date violation determined: 07/26/1999
Date achieved compliance: 08/13/1999
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/26/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 04/20/1999
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 20000
Paid penalty amount: 20000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 04/20/1999

RADIAC RESEARCH CORP (Continued) **1000245435**

Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/23/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/20/1999
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 20000
Paid penalty amount: 20000

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/20/1999
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/23/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 05/15/1998
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 20000
Paid penalty amount: 20000

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 05/15/1998
Date achieved compliance: 04/04/2000

RADIAC RESEARCH CORP (Continued) **1000245435**

Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/27/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 24995
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 05/15/1998
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 20000
Paid penalty amount: 20000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 05/15/1998
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/27/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 24995
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/28/1997
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 20000
Paid penalty amount: 20000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 04/28/1997
Date achieved compliance: 04/04/2000
Violation lead agency: State

RADIAC RESEARCH CORP (Continued) **1000245435**

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 20000
Paid penalty amount: 20000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 04/28/1997
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/02/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1200
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/28/1997
Date achieved compliance: 04/04/2000
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/02/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1200
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40CFR265.16(d)(4) & (e)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/1996
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/05/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 12100
Paid penalty amount: 12100

Regulation violated: FR - 40cfr265.32(c)and 265.33
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/1996
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE

RADIAC RESEARCH CORP (Continued) **1000245435**

Enforcement action date: 06/28/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6NYCRR373-2.2(g)(2) & (4)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/1996
Date achieved compliance: 12/17/1997
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/05/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 12100
Paid penalty amount: 12100

Regulation violated: SR - 6nycrr373-2.5(d)(1), 373-2.2(h
Area of violation: Permits - Application
Date violation determined: 06/28/1996
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/05/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 12100
Paid penalty amount: 12100

Regulation violated: SR - 6nycrr373-2.5(d)(1), 373-2.2(h
Area of violation: Permits - Application
Date violation determined: 06/28/1996
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/28/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6NYCRR373-2.2(g)(2) & (4)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/1996
Date achieved compliance: 12/17/1997
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/28/1996

RADIAC RESEARCH CORP (Continued) **1000245435**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr265.32(c)and 265.33
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/1996
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/05/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 12100
Paid penalty amount: 12100

Regulation violated: FR - 40CFR265.16(d)(4) & (e)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/1996
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/28/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6NYCRR 376.5(a)(1)(ii)('a')
Area of violation: TSD - Container Use and Management
Date violation determined: 06/07/1995
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/28/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - iNYCRR373-2.2(h)(5)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/07/1995
Date achieved compliance: 04/17/1996
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/05/1997
Enf. disposition status: Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 12100
Paid penalty amount: 12100

Regulation violated: SR - 6NYCRR373-2.3(f)
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 06/07/1995
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/28/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6NYCRR373-2.3(f)
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 06/07/1995
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/05/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 12100
Paid penalty amount: 12100

Regulation violated: SR - 6NYCRR 376.5(a)(1)(ii)('a')
Area of violation: TSD - Container Use and Management
Date violation determined: 06/07/1995
Date achieved compliance: 07/08/1996
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/05/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 12100
Paid penalty amount: 12100

Regulation violated: SR - iNYCRR373-2.2(h)(5)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/07/1995
Date achieved compliance: 04/17/1996
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/28/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/16/1994
Date achieved compliance: 05/17/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 12/16/1994
Date achieved compliance: 05/17/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 12/16/1994
Date achieved compliance: 01/30/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 02/01/1991
Date achieved compliance: 01/30/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/28/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

RADIAC RESEARCH CORP (Continued) **1000245435**

Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/21/1990
Date achieved compliance: 05/28/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/20/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 07/26/1990
Date achieved compliance: 01/30/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/28/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 07/20/1990
Date achieved compliance: 05/28/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/20/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 05/11/1990
Date achieved compliance: 09/24/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/11/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/19/1986
Date achieved compliance: 09/30/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/19/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/15/1986
Date achieved compliance: 08/20/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/15/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 05/02/1986
Date achieved compliance: 07/11/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/02/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 07/31/1984
Date achieved compliance: 07/12/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/13/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/17/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/05/2008
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/05/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/05/2007
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Transporters - General
Date achieved compliance: 09/05/2008
Evaluation lead agency: State

Evaluation date: 11/05/2007
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 09/05/2008
Evaluation lead agency: State

Evaluation date: 11/28/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/03/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 09/05/2008
Evaluation lead agency: State

Evaluation date: 11/03/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 09/05/2008
Evaluation lead agency: State

RADIAC RESEARCH CORP (Continued) **1000245435**

Evaluation date: 05/20/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/11/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/24/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/24/2004
Evaluation lead agency: State

Evaluation date: 03/10/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/20/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/27/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/08/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/15/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/11/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/01/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/01/2002
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/12/2001
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/06/2001
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/08/2001
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Transporters - Manifest and Recordkeeping
Date achieved compliance: 06/21/2001
Evaluation lead agency: State

Evaluation date: 03/09/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/28/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/08/2000
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RADIAC RESEARCH CORP (Continued) **1000245435**

Evaluation date: 03/28/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 09/08/2000
Evaluation lead agency: State

Evaluation date: 03/28/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 09/08/2000
Evaluation lead agency: State

Evaluation date: 09/27/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/04/2000
Evaluation lead agency: State

Evaluation date: 09/27/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/04/2000
Evaluation lead agency: State

Evaluation date: 06/17/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/13/1999
Evaluation lead agency: EPA

Evaluation date: 04/20/1999
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/03/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/04/2000
Evaluation lead agency: State

Evaluation date: 03/03/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/04/2000
Evaluation lead agency: State

Evaluation date: 03/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/04/2000
Evaluation lead agency: State

Evaluation date: 03/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

RADIAC RESEARCH CORP (Continued) **1000245435**

Date achieved compliance: 04/04/2000
Evaluation lead agency: State

Evaluation date: 02/25/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/04/2000
Evaluation lead agency: State

Evaluation date: 02/25/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/04/2000
Evaluation lead agency: State

Evaluation date: 07/08/1996
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/28/1996
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/17/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 07/08/1996
Evaluation lead agency: EPA

Evaluation date: 04/17/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 12/17/1997
Evaluation lead agency: EPA

Evaluation date: 04/17/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 07/08/1996
Evaluation lead agency: EPA

Evaluation date: 06/07/1995
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/24/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 07/08/1996
Evaluation lead agency: EPA

RADIAC RESEARCH CORP (Continued) **1000245435**

Evaluation date: 05/24/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 04/17/1996
Evaluation lead agency: EPA

Evaluation date: 05/24/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 07/08/1996
Evaluation lead agency: EPA

Evaluation date: 09/27/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/17/1995
Evaluation lead agency: State

Evaluation date: 09/27/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/17/1995
Evaluation lead agency: State

Evaluation date: 09/27/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 01/30/1995
Evaluation lead agency: State

Evaluation date: 09/20/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/21/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/30/1992
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/30/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/01/1991
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/21/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/28/1991
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 12/21/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/30/1992
Evaluation lead agency: State

Evaluation date: 07/20/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/28/1991
Evaluation lead agency: EPA

Evaluation date: 07/06/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/30/1992
Evaluation lead agency: State

Evaluation date: 02/28/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 09/24/1990
Evaluation lead agency: State

Evaluation date: 02/15/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/09/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/11/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 09/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RADIAC RESEARCH CORP (Continued) **1000245435**

Evaluation date: 02/12/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/11/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 02/11/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/22/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 08/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 09/30/1986
Evaluation lead agency: State

Evaluation date: 06/11/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/16/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/15/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/20/1986
Evaluation lead agency: State

Evaluation date: 02/28/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

RADIAC RESEARCH CORP (Continued) **1000245435**

Date achieved compliance: 07/11/1986
Evaluation lead agency: State

Evaluation date: 02/28/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 06/27/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/31/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/12/1985
Evaluation lead agency: State

Evaluation date: 04/30/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/04/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CORRACTS:

EPA ID: NYD049178296
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19930210
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 562112 48411 49311 484121
Hazardous Waste Collection
General Freight Trucking, Local
General Warehousing and Storage
General Freight Trucking, Long-Distance, Truckload
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD049178296
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20090924
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 562112 48411 49311 484121
Hazardous Waste Collection
General Freight Trucking, Local

RADIAC RESEARCH CORP (Continued) **1000245435**

General Warehousing and Storage
General Freight Trucking, Long-Distance, Truckload
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD049178296
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20090924
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 562112 48411 49311 484121
Hazardous Waste Collection
General Freight Trucking, Local
General Warehousing and Storage
General Freight Trucking, Long-Distance, Truckload
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD049178296
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20090924
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 562112 48411 49311 484121
Hazardous Waste Collection
General Freight Trucking, Local
General Warehousing and Storage
General Freight Trucking, Long-Distance, Truckload
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD049178296
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20090924
Action: CA999 - Corrective Action Process Terminated
NAICS Code(s): 562112 48411 49311 484121
Hazardous Waste Collection
General Freight Trucking, Local
General Warehousing and Storage
General Freight Trucking, Long-Distance, Truckload
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD049178296
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20090924
Action: CA550NR
NAICS Code(s): 562112 48411 49311 484121
Hazardous Waste Collection
General Freight Trucking, Local
General Warehousing and Storage
General Freight Trucking, Long-Distance, Truckload
Original schedule date: Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Schedule end date: Not reported

EPA ID: NYD049178296
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19851129
Action: CA050 - RFA Completed
NAICS Code(s): 562112 48411 49311 484121
Hazardous Waste Collection
General Freight Trucking, Local
General Warehousing and Storage
General Freight Trucking, Long-Distance, Truckload
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD049178296
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20001228
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 562112 48411 49311 484121
Hazardous Waste Collection
General Freight Trucking, Local
General Warehousing and Storage
General Freight Trucking, Long-Distance, Truckload
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD049178296
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20001228
Action: CA050 - RFA Completed
NAICS Code(s): 562112 48411 49311 484121
Hazardous Waste Collection
General Freight Trucking, Local
General Warehousing and Storage
General Freight Trucking, Long-Distance, Truckload
Original schedule date: Not reported
Schedule end date: Not reported

FTTS INSP:
Inspection Number: 2004102123577 1
Region: 02
Inspection Date: 10/21/04
Inspector: L. PAPPALARDO, CN
Violation occurred: No
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: For Cause, Disposal
Legislation Code: TSCA
Facility Function: Disposer

HIST FTTS INSP:
Inspection Number: 2004102123577 1
Region: 02

RADIAC RESEARCH CORP (Continued) **1000245435**

Inspection Date:	Not reported
Inspector:	L. PAPPALARDO, CN
Violation occurred:	No
Investigation Type:	Section 6 PCB Federal Conducted
Investigation Reason:	For Cause, Disposal
Legislation Code:	TSCA
Facility Function:	Disposer

PADS:

EPAID:	NYD049178296
Facility name:	RADIAC RESEARCH CORP.
Facility Address:	33 SOUTH 1ST ST. BROOKLYN, NY 11211
Facility country:	US
Generator:	No
Storer:	No
Transporter:	Yes
Disposer:	No
Research facility:	No
Smelter:	No
Facility owner name:	RADIAC RESEARCH CORP.
Contact title:	Not reported
Contact name:	LOUIS CAMACHO
Contact tel:	(718)963-2233
Contact extension:	Not reported
Mailing address:	261 KENT AVE. BROOKLYN, NY 11211
Mailing country:	US
Cert. title:	Not reported
Cert. name:	Not reported
Cert. date:	4/15/2003
Date received:	5/29/2003

FINDS:

Registry ID: 110000616502

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

Texas Commission on Environmental Quality - Agency Central Registry (TX-TCEQ ACR) is a computer application that allows the Texas Commission on Environmental Quality (TCEQ) to use a single, centralized area to record common information, such as the company names, addresses, and telephone numbers of those the TCEQ regulates. It also contains additional IDs (permits, registrations, authorizations, etc) and their status.

RADIAC RESEARCH CORP (Continued) **1000245435**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NJ MANIFEST:

Manifest Code:	006985170JJK
EPA ID:	NYR000133033
Date Shipped:	04/06/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	04/06/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/09/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	1540
Unit:	P
Hand Code:	H141
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	40
Unit:	P
Hand Code:	H141
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	220
Unit:	P
Hand Code:	H141

Manifest Code:	004853916JJK
EPA ID:	NYR000133033
Date Shipped:	04/08/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	04/08/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/09/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	160
Unit:	P
Hand Code:	H061
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	80
Unit:	P
Hand Code:	H061
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	1440
Unit:	P
Hand Code:	H061

Manifest Code:	002699643JJK
EPA ID:	NYR000133033
Date Shipped:	07/24/2007
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/24/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/26/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	200
Unit:	P
Hand Code:	H06
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	80
Unit:	P
Hand Code:	H06
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	1800
Unit:	P
Hand Code:	H06
Manifest Code:	002699427JJK
EPA ID:	NYR000086314
Date Shipped:	04/30/2007
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	04/30/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/09/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	35
Unit:	P
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	10
Unit:	P
Hand Code:	H14
Manifest Code:	004120451JJK
EPA ID:	NYR000133033

RADIAC RESEARCH CORP (Continued) **1000245435**

Date Shipped:	06/20/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/20/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/20/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	1840
Unit:	P
Hand Code:	H061
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	200
Unit:	P
Hand Code:	H061

RADIAC RESEARCH CORP (Continued) **1000245435**

Manifest Code:	004855199JJK
EPA ID:	NYR000133033
Date Shipped:	10/07/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/07/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/15/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	1160
Unit:	P
Hand Code:	H061
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	120

RADIAC RESEARCH CORP (Continued) **1000245435**

Unit:	P
Hand Code:	H061

Manifest Code:	004120565JJK
EPA ID:	NYR000133033
Date Shipped:	07/15/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/15/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/17/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	40
Unit:	P

RADIAC RESEARCH CORP (Continued) **1000245435**

Hand Code:	H061
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	1040
Unit:	P
Hand Code:	H061

Manifest Code:	006985334JJK
EPA ID:	NYR000133033
Date Shipped:	03/02/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/02/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/05/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No

RADIAC RESEARCH CORP (Continued) **1000245435**

Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	200
Unit:	P
Hand Code:	H141
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	1440
Unit:	P
Hand Code:	H141
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	80
Unit:	P
Hand Code:	H141

Manifest Code:	004853835JJK
EPA ID:	NYR000133033
Date Shipped:	05/13/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/13/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/17/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	1600
Unit:	P
Hand Code:	H061

Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	320
Unit:	P
Hand Code:	H061

Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	40
Unit:	P
Hand Code:	H061

Manifest Code:	002697811JJK
EPA ID:	NYR000133033
Date Shipped:	10/04/2007
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/04/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/11/2007
Tranporter 1 Decal:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	002699687JJK
EPA ID:	NYR000086314
Date Shipped:	07/30/2007
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/30/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/02/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	40
Unit:	P
Hand Code:	H06
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	20
Unit:	P
Hand Code:	H06
Manifest Code:	002699271JJK
EPA ID:	NYR000133033
Date Shipped:	06/21/2007
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/21/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/22/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	2360
Unit:	P
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	240
Unit:	P
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	160
Unit:	P
Hand Code:	H14

Manifest Code:	002699162JJK
EPA ID:	NYR000133033
Date Shipped:	04/16/2007
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	04/16/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/20/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	200
Unit:	P
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	240
Unit:	P
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	2200
Unit:	P
Hand Code:	H14

RADIAC RESEARCH CORP (Continued) **1000245435**

Manifest Code:	002698712JJK
EPA ID:	NYR000133033
Date Shipped:	08/19/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/19/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/21/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	280
Unit:	P
Hand Code:	H061
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	2040

RADIAC RESEARCH CORP (Continued) **1000245435**

Unit:	P
Hand Code:	H061
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	120
Unit:	P
Hand Code:	H061

Manifest Code:	002698897JJK
EPA ID:	NYR000133033
Date Shipped:	01/25/2007
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/25/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/29/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	1480
Unit:	P
Hand Code:	H06

Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	200
Unit:	P
Hand Code:	H06

Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	160
Unit:	P
Hand Code:	H06

Manifest Code:	002698595JJK
EPA ID:	NYR000086314
Date Shipped:	03/27/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/27/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/03/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	50
Unit:	P
Hand Code:	H061

Manifest Code:	004853273JJK
EPA ID:	NYR000133033
Date Shipped:	11/18/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	11/18/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	11/20/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	80
Unit:	P
Hand Code:	H061

Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	200
Unit:	P
Hand Code:	H061

Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	1280
Unit:	P
Hand Code:	H061

Manifest Code:	002698486JJK
EPA ID:	NYD049178296
Date Shipped:	06/23/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NJD002182897
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/23/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/26/2008
Tranporter 1 Decal:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	40
Unit:	P
Hand Code:	H061

Manifest Code:	004853613JJK
EPA ID:	NYR000086314
Date Shipped:	05/29/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/29/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/04/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	40
Unit:	P
Hand Code:	H061

Manifest Code:	004120368JJK
EPA ID:	NYR000133033
Date Shipped:	05/21/2008
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	NYD049178296
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/21/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/22/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	320
Unit:	P
Hand Code:	H061
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	1960
Unit:	P
Hand Code:	H061
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	120
Unit:	P
Hand Code:	H061

RI MANIFEST:

GEN Cert Date:	12/3/1987
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	R006
Waste Code2:	Not reported
Waste Code3:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	Not reported
TSDF ID:	Not reported
TSDF Date:	Not reported
Transporter 2 Name:	Not reported
Transporter 2 ID:	Not reported
Manifest Docket Number:	Not reported

RADIAC RESEARCH CORP (Continued) **1000245435**

Waste Description:	Not reported
Quantity:	Not reported
WT/Vol Units:	Not reported
Item Number:	Not reported
Transporter Name:	Not reported
Transporter EPA ID:	Not reported
GEN Cert Date:	Not reported
Transporter Recpt Date:	Not reported
Transporter 2 Recpt Date:	Not reported
TSDF Recpt Date:	Not reported
EPA ID:	Not reported
Transporter 2 ID:	Not reported

2020 COR ACTION:

EPA ID:	NYD049178296
Region:	2
Action:	Not reported

AV186
NNW
1/8-1/4
0.219 mi.
1154 ft.

NYC PKS & REC - REG MGMT & CONSULTING **RCRA NonGen / NLR** **1004762629**
BROADWAY & W 242ND ST **FINDS** **NYR000098871**
BRONX, NY 10471 **NY MANIFEST**

Site 2 of 4 in cluster AV

Relative:
Lower

Actual:
31 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYC PKS & REC - REG MGMT & CONSULTING
Facility address:	BROADWAY & W 242ND ST VAN CORTLAND PK & BRGS BRONX, NY 10471
EPA ID:	NYR000098871
Mailing address:	BRIDGEWATER ST BROOKLYN, NY 11222
Contact:	BOGDAN SZCZUREK
Contact address:	BRIDGEWATER ST BROOKLYN, NY 11222
Contact country:	US
Contact telephone:	(718) 599-3718
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYC DEPT OF PARKS & RECREATION
Owner/operator address:	OLMSTED CENTER CORONA PARK FLUSHING, NY 11368
Owner/operator country:	Not reported
Owner/operator telephone:	(718) 760-6761
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/0001
Owner/Op end date:	Not reported

Owner/operator name:	NYC DEPT OF PARKS & RECREATION
Owner/operator address:	OLMSTED CENTER CORONA PARK

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

	FLUSHING, NY 11368
Owner/operator country:	US
Owner/operator telephone:	(718) 760-6761
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Owner/operator name:	NYC DEPT OF PARKS & RECREATION
Owner/operator address:	OLMSTED CENTER CORONA PARK
	FLUSHING, NY 11368
Owner/operator country:	US
Owner/operator telephone:	(718) 760-6761
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	NYC PKS & REC - REG MGMT & CONSULTING
Classification:	Not a generator, verified

Date form received by agency:	09/04/2001
Facility name:	NYC PKS & REC - REG MGMT & CONSULTING
Classification:	Small Quantity Generator

Date form received by agency:	07/09/2001
Facility name:	NYC PKS & REC - REG MGMT & CONSULTING
Classification:	Small Quantity Generator

Hazardous Waste Summary:

Waste code:	D000
Waste name:	Not Defined

Violation Status: No violations found

FINDS:

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Registry ID: 110007905142

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP003681881
Country:	USA
Mailing Name:	NYCDEP
Mailing Contact:	N/S
Mailing Address:	96-05 HORACE HARDING
Mailing Address 2:	Not reported
Mailing City:	FLUSHING
Mailing State:	NY
Mailing Zip:	11368
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-595-4784

Document ID:	NYG1976274
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	10/12/2001
Trans1 Recv Date:	10/12/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/12/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG1976292
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	11/06/2001
Trans1 Recv Date:	11/06/2001
Trans2 Recv Date:	Not reported

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

TSD Site Recv Date:	11/28/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG2500389
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	08/08/2001
Trans1 Recv Date:	08/08/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/05/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

EPA ID:	NYD049178296
Country:	USA

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Mailing Name:	RADIAC RESEARCH CORP
Mailing Contact:	EDITH BOCHICCHIO
Mailing Address:	261 KENT AVE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	4188
Mailing Country:	USA
Mailing Phone:	718-963-2233

Document ID:	NYG1976274
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	10/12/2001
Trans1 Recv Date:	10/12/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/12/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG1976292
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	11/06/2001
Trans1 Recv Date:	11/06/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/28/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Year:	2001

Document ID:	NYG2500389
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	08/08/2001
Trans1 Recv Date:	08/08/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/05/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

EPA ID:	NYR000035972
Country:	USA
Mailing Name:	DATA SCOPE
Mailing Contact:	N/S
Mailing Address:	14 PHILLIPS PKWY
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	973-244-6224

Document ID:	NYG1976274
Manifest Status:	Not reported

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	10/12/2001
Trans1 Recv Date:	10/12/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/12/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG1976292
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	11/06/2001
Trans1 Recv Date:	11/06/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/28/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG2500389
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	08/08/2001
Trans1 Recv Date:	08/08/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/05/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

EPA ID:	NYP003661618
Country:	USA
Mailing Name:	NYCDEP
Mailing Contact:	N/S
Mailing Address:	96-05 HORACE HARDING EPWY
Mailing Address 2:	Not reported
Mailing City:	FLUSHING
Mailing State:	NY
Mailing Zip:	11368
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-595-4784

Document ID:	NYG1976274
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	10/12/2001
Trans1 Recv Date:	10/12/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/12/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG1976292
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	11/06/2001
Trans1 Recv Date:	11/06/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/28/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG2500389
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	08/08/2001
Trans1 Recv Date:	08/08/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/05/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	Not reported

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

EPA ID:	NYR000098871
Country:	USA
Mailing Name:	NYC DEPT PARKS & RECREATION
Mailing Contact:	N/S
Mailing Address:	OLMSTEAD CTR - CORONA PARK
Mailing Address 2:	Not reported
Mailing City:	FLUSHING
Mailing State:	NY
Mailing Zip:	11368
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	N/S

Document ID:	NYG1976274
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	10/12/2001
Trans1 Recv Date:	10/12/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/12/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG1976292
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	11/06/2001
Trans1 Recv Date:	11/06/2001

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/28/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG2500389
Manifest Status:	Not reported
Trans1 State ID:	NYR000081570
Trans2 State ID:	Not reported
Generator Ship Date:	08/08/2001
Trans1 Recv Date:	08/08/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/05/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000098871
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	19744AV
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported

NYC PKS & REC - REG MGMT & CONSULTING (Continued) **1004762629**

Quantity:	100.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-07
Trans1 Recv Date:	2012-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-02-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049178296
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	100.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009633034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

AV187 **CREST STUDIOS** **RCRA NonGen / NLR** **1004760216**
NNW **304 HUDSON ST 2ND FLOOR** **FINDS** **NYR000035972**
1/8-1/4 **NEW YORK, NY 10013**
0.219 mi.
1154 ft. **Site 3 of 4 in cluster AV**

Relative:
Lower

Actual:
31 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CREST STUDIOS
Facility address:	304 HUDSON ST 2ND FLOOR NEW YORK, NY 10013
EPA ID:	NYR000035972
Mailing address:	HUDSON ST 2ND FLOOR NEW YORK, NY 10013
Contact:	ROBERT DU GRENIER
Contact address:	HUDSON ST 2ND FLOOR NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 229-2292
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0845
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0845
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

CREST STUDIOS (Continued) **1004760216**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CREST STUDIOS
Classification: Not a generator, verified

Date form received by agency: 02/25/1997
Facility name: CREST STUDIOS
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004532621

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AV188 **RADIAC ENVIRONMENTAL SERVICES** **TX Ind. Haz Waste** **S103613679**
NNW **33 S 1ST ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11249**
0.219 mi.
1154 ft. **Site 4 of 4 in cluster AV**

Relative:
Lower

Actual:
31 ft.

Ind. Haz Waste:
Year: 2013
Transporters Registration Number: 84404
Registration Initial Notification Date: 19960319
Registration Last Amendment Date: 20060106
EPA Identification: NYD049178296
Primary NAICS Code: 484121
Status Change Date: 19960319
Land Type: Not reported
Description of Facility Site Location: Not reported
Site Primary Standard Industrial Code: Not reported
Registration is Generator of Waste: No
Registration is Receivers of Waste: No
Registration is Transporter of Waste: Yes
Registration is Transfer Facility: No
Facility is STEERS Reporter: No
Reqired to Submit Annual Waste Summary: No
Facility Involved In Recycling: No
Revcr Has Monthly Reporting Requirement: 0
Mexican Facility: Not reported
Facility Status: ACTIVE
Type of Generator: Not reported
Company Name: RADIAC RESEARCH CORPORATION
Contact Name: JOE MAHAL

RADIAC ENVIRONMENTAL SERVICES (Continued) **S103613679**

Contact Telephone Number:	718-9632233
Mailing Address:	261 KENT AVE
Mailing Address2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 112494120
Mailing County:	UNITED STATES
Facility Country:	UNITED STATES
TNRCC Facility ID:	103438
Site Owner Tax ID:	0
Site Location Latitude:	-00.000
Site Location Longitude:	-000.000
Last Update to NOR Data:	20060106
Ind. waste permit Number:	Not reported
Mun waste permit Number:	Not reported
Non Notifier:	No

Owner:

Year:	2013
Owner Mailing Address:	261 KENT AVE
Owner Mailing Address2:	Not reported
Owner Mailing Address3:	Not reported
Owner City,St,Zip:	BROOKLYN, NY 11249 4120
Owner Country:	UNITED STA
Owner Phone Number:	1-718-9632233
Owner Fax Number:	Not reported
Owner Email Address:	Not reported
Owner Business Type:	Unknown
Owner Tax Id:	Not reported
Owner Bankruptcy Code:	Not reported

Operator Records Not Found for this RegNo/Year:

Contact:

Contact Name:	Not reported
Contact Title:	Not reported
Contact Role:	OWNCON
Contact Address:	261 KENT AVE
Contact Address2:	Not reported
Conact City,St,Zip:	BROOKLYN, NY 11249 4120
Contact Phone:	1-718-9632233
Contact Fax:	Not reported
Contact Email:	Not reported

Contact:

Contact Name:	JOE MAHAL
Contact Title:	ENV SPECIALIST TRANSP MGR
Contact Role:	PRICONT
Contact Address:	261 KENT AVE
Contact Address2:	Not reported
Conact City,St,Zip:	BROOKLYN, NY 11249 4120
Contact Phone:	1-718-9632233
Contact Fax:	Not reported
Contact Email:	Not reported

Business Records Not Found for this RegNo/Year:

Unit Records Not Found for this RegNo/Year:

Activity Records Not Found for this RegNo/Year:

One Time Shipper Records Not Found for this RegNo/Year:

RADIAC ENVIRONMENTAL SERVICES (Continued) **S103613679**

Waste Records Not Found for this RegNo/Year:

Click this hyperlink while viewing on your computer to access
11 additional TX IHW: record(s) in the EDR Site Report.

AK189
NNE
1/8-1/4
0.220 mi.
1164 ft.

GRAND SUITES, LLC
128-134 GRAND STREET
BROOKLYN, NY 11211

Site 4 of 4 in cluster AK

NY UST **U004141891**
N/A

Relative:
Lower

Actual:
43 ft.

UST:

Id/Status:	2-611177 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	587610.93455999997
UTM Y:	4507644.5870200004

Affiliation Records:

Site Id:	419577
Affiliation Type:	Facility Owner
Company Name:	GRAND SUITES LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	116 NOSTRAND AVE.
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11205
Country Code:	001
Phone:	(718) 599-8300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/24/2010

Site Id:	419577
Affiliation Type:	Mail Contact
Company Name:	GRAND SUITES LLC
Contact Type:	Not reported
Contact Name:	MR. CHASKIEL STRULOVITCH
Address1:	116 NOSTRAND AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11205
Country Code:	001
Phone:	(718) 599-8300
EMail:	PEARL@CSREALESTATE.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/24/2010

Site Id:	419577
Affiliation Type:	On-Site Operator
Company Name:	GRAND SUITES, LLC

GRAND SUITES, LLC (Continued) **U004141891**

Contact Type:	Not reported
Contact Name:	MAYER GREENFELD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 641-1322
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/24/2010

Site Id:	419577
Affiliation Type:	Emergency Contact
Company Name:	GRAND SUITES LLC
Contact Type:	Not reported
Contact Name:	PEARL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 599-8300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/24/2010

Tank Info:

Tank Number:	001
Tank ID:	230813
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	03/29/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	06/24/2010

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

GRAND SUITES, LLC (Continued) **U004141891**

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
L00 - Piping Leak Detection - None

Tank Number:	002
Tank ID:	230814
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	03/29/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	06/24/2010

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
L00 - Piping Leak Detection - None

Tank Number:	003
Tank ID:	230815
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	09/30/2009
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil
Tightness Test Method:	NN
Date Test:	Not reported

GRAND SUITES, LLC (Continued) **U004141891**

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 06/24/2010

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
L00 - Piping Leak Detection - None

Tank Number: 004
Tank ID: 230999
Tank Status: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 09/30/2009
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 06/24/2010

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
L00 - Piping Leak Detection - None

Tank Number: 005
Tank ID: 231000
Tank Status: Closed - Removed
Capacity Gallons: 30

GRAND SUITES, LLC (Continued) **U004141891**

Install Date:	Not reported
Date Tank Closed:	09/30/2009
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0010
Common Name of Substance:	Hydraulic Oil
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	06/24/2010

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
L00 - Piping Leak Detection - None

AW190 **NYNEX** **NY MANIFEST** **1009233742**
NNE **GRAND ST & BERRY ST** **N/A**
1/8-1/4 **NEW YORK, NY 11211**
0.222 mi.
1173 ft. **Site 1 of 3 in cluster AW**

Relative:
Lower

Actual:
43 ft.

NY MANIFEST:

EPA ID:	NYP000919977
Country:	USA
Mailing Name:	NYNEX
Mailing Contact:	CRAIG DE MARCHIS
Mailing Address:	1095 AVE OF AMER
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10036
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-395-6040
Document ID:	NJA2066080
Manifest Status:	Completed copy
Trans1 State ID:	50060
Trans2 State ID:	Not reported
Generator Ship Date:	950421
Trans1 Recv Date:	950421
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950421

NYNEX (Continued) **1009233742**

Part A Recv Date:	Not reported
Part B Recv Date:	950505
Generator EPA ID:	NYP000919977
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

AW191 **CON ED-MH 14029** **RCRA NonGen / NLR** **1007205293**
NNE **GRAND ST & BERRY ST** **NY MANIFEST** **NYP000928838**
1/8-1/4 **BROOKLYN, NY 11211**
0.222 mi.
1173 ft. **Site 2 of 3 in cluster AW**

Relative:
Lower

Actual:
43 ft.

RCRA NonGen / NLR:

Date form received by agency:	02/28/1998
Facility name:	CON ED-MH 14029
Facility address:	GRAND ST & BERRY ST BROOKLYN, NY 112110000
EPA ID:	NYP000928838
Mailing address:	CONSOLIDATED EDISON INC 4 IRVING PL ROOM 300 NEW YORK, NY 100030000
Contact:	ANTHONY DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC NEW YORK, NY 100030000
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CON ED-MH 14029 (Continued) **1007205293**

Historical Generators:

Date form received by agency:	02/27/1998
Facility name:	CON ED-MH 14029
Classification:	Not a generator, verified
Date form received by agency:	02/26/1998
Facility name:	CON ED-MH 14029
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP000928838
Country:	USA
Mailing Name:	NYNEX
Mailing Contact:	ARTHUR DELPRETE
Mailing Address:	221 EAST 37TH STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10016
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-395-6040

Document ID:	NJA2618862
Manifest Status:	Completed copy
Trans1 State ID:	50060
Trans2 State ID:	Not reported
Generator Ship Date:	960910
Trans1 Recv Date:	960910
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960910
Part A Recv Date:	Not reported
Part B Recv Date:	961001
Generator EPA ID:	NYP000928838
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	CTF0387058
Manifest Status:	Completed copy
Trans1 State ID:	MA29407
Trans2 State ID:	Not reported
Generator Ship Date:	970318
Trans1 Recv Date:	970318
Trans2 Recv Date:	Not reported

CON ED-MH 14029 (Continued) **1007205293**

TSD Site Recv Date:	970320
Part A Recv Date:	970327
Part B Recv Date:	970328
Generator EPA ID:	NYP000928838
Trans1 EPA ID:	MAD039322250
Trans2 EPA ID:	Not reported
TSDF ID:	CTD000604488
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

AW192
NNE
1/8-1/4
0.222 mi.
1173 ft.

CONSOLIDATED EDISON CO.
GRAND ST & BERRY ST
BROOKLYN, NY 11211

CT MANIFEST **S109786380**
N/A

Site 3 of 3 in cluster AW

Relative:
Lower

Actual:
43 ft.

CT MANIFEST:

Waste:

Manifest No:	CTF0387058
Waste Occurence:	1
UNNA:	3077
Hazard Class:	9
US Dot Description:	ENVIRONMENTALLY HAZ. SUBSTANCES,SOLID
No of Containers:	001
Container Type:	DT
Quantity:	2400
Weight/Volume:	P
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTF0387058
Waste Occurence:	1
EPA Waste Code:	D008
Recycled Waste?:	F
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Detail:

Year:	1997
Manifest ID:	CTF0387058
TSDF EPA ID:	CTD000604488
TSDF Name:	CLEAN HARBORS OF CONNECTICUT, INC.
TSDF Address:	51 BRODERICK RD
TSDF City,St,Zip:	BRISTOL, CT 06010
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	3/18/1997

CONSOLIDATED EDISON CO. (Continued) **S109786380**

Transporter EPA ID:	MAD039322250
Transporter Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYP000928838
Generator Phone:	Not reported
Generator Mailing Addr:	BERRY + GRAND ST.
Generator Mailing Town:	BROOKLYN
Generator Mailing State:	NY
Generator Mailing Zip:	Not reported
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	Not reported
Date Shipped:	3/18/1997
Date Received:	3/18/1997
Last modified date:	4/26/2004
Last modified by:	IG
Comments:	Not reported

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193 **145 GRAND ST EXT** **NY AST** **U003388723**
NE **145 GRAND ST EXT** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11201**
0.223 mi.
1180 ft.

Relative:
Lower

Actual:
44 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-279501
Program Type:	PBS
UTM X:	585954.45031999995
UTM Y:	4506001.1968400003
Expiration Date:	2002/07/14

Affiliation Records:

Site Id:	12168
Affiliation Type:	Facility Owner
Company Name:	PETER BURGESS REALTY GRP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	140 CADMAN PLAZA WEST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201
Country Code:	001
Phone:	(071) 887-5405
EMail:	Not reported
Fax Number:	Not reported

145 GRAND ST EXT (Continued) **U003388723**

Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12168
Affiliation Type:	Mail Contact
Company Name:	PETER BURGESS REALTY GRP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	140 CADMAN PLAZA WEST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201
Country Code:	001
Phone:	(071) 887-5405
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12168
Affiliation Type:	On-Site Operator
Company Name:	145 GRAND ST EXT
Contact Type:	Not reported
Contact Name:	MARCO RIVAS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 875-4050
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12168
Affiliation Type:	Emergency Contact
Company Name:	PETER BURGESS REALTY GRP
Contact Type:	Not reported
Contact Name:	PETER BURGESS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 875-4050
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	100

145 GRAND ST EXT (Continued) **U003388723**

Tank Id: 14505
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 4500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

HIST AST:
PBS Number: 2-279501
SWIS Code: 6101
Operator: MARCO RIVAS
Facility Phone: (718) 875-4050
Facility Addr2: 145 GRAND ST EXT
Facility Type: Not reported
Emergency: PETER BURGESS
Emergency Tel: (718) 875-4050
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: PETER BURGESS REALTY GRP
Owner Address: 140 CADMAN PLAZA WEST
Owner City,St,Zip: BROOKLYN, NY 11201
Federal ID: Not reported
Owner Tel: (071) 887-5405
Owner Type: Not reported
Owner Subtype: Not reported
Mailing Contact: Not reported
Mailing Name: PETER BURGESS REALTY GRP
Mailing Address: 140 CADMAN PLAZA WEST
Mailing Address 2: Not reported
Mailing City,St,Zip: BROOKLYN, NY 11201
Mailing Telephone: (071) 887-5405
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist

145 GRAND ST EXT (Continued) **U003388723**

	or not at the facility.
Certification Flag:	False
Certification Date:	09/11/1997
Expiration:	07/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	4500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2
Tank ID:	100
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	4500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

AQ194 **184 SOUTH SECOND ST** **NY AST** **A100362317**
East **184 SOUTH SECOND ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.223 mi.
1180 ft. **Site 3 of 4 in cluster AQ**

Relative:
Higher

Actual:
49 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-611878
Program Type:	PBS
UTM X:	Not reported

184 SOUTH SECOND ST (Continued) **A100362317**

UTM Y: Not reported
Expiration Date: 1997/06/05

Affiliation Records:

Site Id: 468286
Affiliation Type: Facility Owner
Company Name: LOS SURES SIP HDFC
Contact Type: AGENT
Contact Name: CLEVIE A. STEWART
Address1: 1191 BROADWAY, 1ST FLR
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11221
Country Code: 001
Phone: (718) 443-4766
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 8/27/2012

Site Id: 468286
Affiliation Type: Mail Contact
Company Name: LOS SURES SIP HDFC C/O MHR MGMT INC
Contact Type: Not reported
Contact Name: MARTHA RODRIGUEZ, PROPERTY MGR
Address1: 1191 BROADWAY
Address2: 1ST FLR
City: BROOKLYN
State: NY
Zip Code: 11221
Country Code: 001
Phone: (718) 443-4766
EMail: MRODRIQUEZ@MHRMGMT.COM
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 9/17/2012

Site Id: 468286
Affiliation Type: On-Site Operator
Company Name: 184 SOUTH SECOND ST
Contact Type: Not reported
Contact Name: ERNESTO ALONSO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 578-1887
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 8/27/2012

Site Id: 468286
Affiliation Type: Emergency Contact
Company Name: LOS SURES SIP HDFC

184 SOUTH SECOND ST (Continued) **A100362317**

Contact Type:	Not reported
Contact Name:	MARTHA RODRIQUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 443-4766
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	10/9/2012

Tank Info:

Tank Number:	001
Tank Id:	245400
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/26/1989
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	08/27/2012

AU195 SW 1/8-1/4 0.225 mi. 1189 ft. | **PRINCE LACQUER & CHEMICAL CORP**
413 KENT AVE
BROOKLYN, NY 11211 | **RCRA NonGen / NLR**
FINDS
NY MANIFEST | **1000308041**
NYD001256379

Site 3 of 3 in cluster AU

Relative: Lower

Actual: 23 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	PRINCE LACQUER & CHEMICAL CORP
Facility address:	413 KENT AVE BROOKLYN, NY 112115939
EPA ID:	NYD001256379
Mailing address:	S 8TH ST BROOKLYN, NY 11211
Contact:	Not reported
Contact address:	S 8TH ST BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PRINCE LACQUER AND CHEMICAL CORP.
Owner/operator address:	31-35 SOUTH 8TH ST OPERCITY, NY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 387-8313
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	PRINCE LACQUER & CHEMICAL CORP
Owner/operator address:	31-35 S 8TH ST BROOKLYN, NY 11211
Owner/operator country:	US
Owner/operator telephone:	(212) 387-8313
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

PRINCE LACQUER & CHEMICAL CORP (Continued) **1000308041**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: PRINCE LACQUER & CHEMICAL CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: PRINCE LACQUER & CHEMICAL CORP
Classification: Not a generator, verified

Date form received by agency: 11/19/1980
Facility name: PRINCE LACQUER & CHEMICAL CORP
Classification: Not a generator, verified

Date form received by agency: 09/23/1980
Facility name: PRINCE LACQUER & CHEMICAL CORP
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/11/1985
Date achieved compliance: 01/02/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/05/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 02/23/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/11/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/02/1986
Evaluation lead agency: State

FINDS:

Registry ID: 110004332954

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

PRINCE LACQUER & CHEMICAL CORP (Continued) **1000308041**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD001256379
Country:	USA
Mailing Name:	PRINCE LACQUER & CHEMICAL CORP
Mailing Contact:	RICHTER SAMUEL VICE PRESI
Mailing Address:	31-35 SOUTH 8TH ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-387-8313

Document ID:	NYO3019806
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	830721
Trans1 Recv Date:	830721
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830721
Part A Recv Date:	030802
Part B Recv Date:	030802
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	83

Document ID:	NYA1235295
Manifest Status:	Completed copy
Trans1 State ID:	9082GF
Trans2 State ID:	Not reported
Generator Ship Date:	841003
Trans1 Recv Date:	841003
Trans2 Recv Date:	841003
TSD Site Recv Date:	841003
Part A Recv Date:	841010
Part B Recv Date:	841011
Generator EPA ID:	NYD001256379

PRINCE LACQUER & CHEMICAL CORP (Continued) **1000308041**

Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	84

Document ID:	NYO1521639
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	840127
Trans1 Recv Date:	840127
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840127
Part A Recv Date:	840131
Part B Recv Date:	840215
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	84

Document ID:	NYA3814751
Manifest Status:	Completed copy
Trans1 State ID:	PLATE#
Trans2 State ID:	57746GB
Generator Ship Date:	860625
Trans1 Recv Date:	860625
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860625
Part A Recv Date:	860630
Part B Recv Date:	860708
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.

PRINCE LACQUER & CHEMICAL CORP (Continued) **1000308041**

Specific Gravity:	100
Year:	86

Document ID:	NYA2143359
Manifest Status:	Completed copy
Trans1 State ID:	PLATE#
Trans2 State ID:	Not reported
Generator Ship Date:	850125
Trans1 Recv Date:	850125
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	850125
Part A Recv Date:	850206
Part B Recv Date:	850207
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	85

Document ID:	NYA3115686
Manifest Status:	Completed copy
Trans1 State ID:	PLATE#
Trans2 State ID:	57745GB
Generator Ship Date:	861020
Trans1 Recv Date:	861020
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	861020
Part A Recv Date:	861027
Part B Recv Date:	861110
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	86

Document ID:	NYA5744052
Manifest Status:	Completed copy
Trans1 State ID:	PLATE#
Trans2 State ID:	9082-GF
Generator Ship Date:	870331

PRINCE LACQUER & CHEMICAL CORP (Continued) **1000308041**

Trans1 Recv Date:	870331
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870331
Part A Recv Date:	870407
Part B Recv Date:	870407
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	87

Document ID:	NJO0008847
Manifest Status:	Generator copy
Trans1 State ID:	S5771
Trans2 State ID:	Not reported
Generator Ship Date:	810408
Trans1 Recv Date:	810409
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NJD990720658
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	01210
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	022
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	80-81

Document ID:	NYO1651797
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	821112
Trans1 Recv Date:	821112
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	821112
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334

PRINCE LACQUER & CHEMICAL CORP (Continued) **1000308041**

Waste Code:	F003 - UNKNOWN
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82

Document ID:	NYO1650357
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	820723
Trans1 Recv Date:	820723
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820723
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82

Document ID:	NYO2872521
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	840425
Trans1 Recv Date:	840425
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840430
Part A Recv Date:	840501
Part B Recv Date:	840507
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	84

PRINCE LACQUER & CHEMICAL CORP (Continued) **1000308041**

Document ID:	NYO2840157
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	830308
Trans1 Recv Date:	830308
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830308
Part A Recv Date:	030323
Part B Recv Date:	030323
Generator EPA ID:	NYD001256379
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	83

196
NE
1/8-1/4
0.226 mi.
1195 ft.

GEORGE WANAT
292 BEDFORD AVE
BROOKLYN, NY 11211

NY AST **U003395784**
NY HIST AST **N/A**

Relative:
Higher

Actual:
46 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600889
Program Type:	PBS
UTM X:	587758.66192999994
UTM Y:	4507553.7804899998
Expiration Date:	2017/09/24

Affiliation Records:

Site Id:	22860
Affiliation Type:	Facility Owner
Company Name:	GEORGE WANAT
Contact Type:	OWNER
Contact Name:	GEORGE WANAT
Address1:	114 BEDFORD AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 745-0981
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/11/2008

Site Id:	22860

GEORGE WANAT (Continued) **U003395784**

Affiliation Type:	Mail Contact
Company Name:	GEORGE WANAT
Contact Type:	Not reported
Contact Name:	GEORGE WANAT
Address1:	114 BEDFORD AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22860
Affiliation Type:	On-Site Operator
Company Name:	GEORGE WANAT
Contact Type:	Not reported
Contact Name:	NONE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22860
Affiliation Type:	Emergency Contact
Company Name:	GEORGE WANAT
Contact Type:	Not reported
Contact Name:	NONE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 963-3650
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	1
Tank Id:	44320
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

GEORGE WANAT (Continued) **U003395784**

Equipment Records:

B05 - Tank External Protection - Jacketed
L00 - Piping Leak Detection - None
I00 - Overfill - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A99 - Tank Internal Protection - Other
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/01/1970
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	11/06/2012

HIST AST:

PBS Number:	2-600889
SWIS Code:	6101
Operator:	NONE
Facility Phone:	(718) 963-3650
Facility Addr2:	292 BEDFORD AVE
Facility Type:	APARTMENT BUILDING
Emergency:	NONE
Emergency Tel:	(718) 963-3650
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	GEORGE WANAT
Owner Address:	114 BEDFORD AVE
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 745-0981
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	GEORGE WANAT
Mailing Name:	GEORGE WANAT
Mailing Address:	114 BEDFORD AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 963-3650
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist

GEORGE WANAT (Continued) **U003395784**

	or not at the facility.
Certification Flag:	False
Certification Date:	10/03/1997
Expiration:	09/24/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2
Tank ID:	1
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	9
Tank External:	05
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Other
Pipe External:	01
Tank Containment:	Not reported
Leak Detection:	Not reported
Overfill Protection:	Not reported
Dispenser Method:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

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197 **728-730 DRIGGS AVENUE** **NY AST** **U003394616**
ENE **728-730 DRIGGS AVENUE** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.227 mi.
1201 ft.

Relative:
Higher

Actual:
49 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-466603
Program Type:	PBS
UTM X:	587842.49182999996

728-730 DRIGGS AVENUE (Continued) **U003394616**

UTM Y: 4507397.3835100001
Expiration Date: 1994/02/15

Affiliation Records:

Site Id: 20258
Affiliation Type: On-Site Operator
Company Name: 728-730 DRIGGS AVENUE
Contact Type: Not reported
Contact Name: NYC HOUSING PRESERV & DEVEL
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 806-8565
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 20258
Affiliation Type: Emergency Contact
Company Name: NYC HOUSING PRESERV & DEVEL
Contact Type: Not reported
Contact Name: LEE KERBEL
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 636-3015
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 20258
Affiliation Type: Facility Owner
Company Name: NYC HOUSING PRESERV & DEVEL
Contact Type: Not reported
Contact Name: Not reported
Address1: 2089-2091 ARTHUR AVENUE
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10457
Country Code: 001
Phone: (718) 295-2178
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 11/19/2012

Site Id: 20258
Affiliation Type: Mail Contact
Company Name: NYC HOUSING PRESERV & DEVEL

728-730 DRIGGS AVENUE (Continued) **U003394616**

Contact Type:	Not reported
Contact Name:	Not reported
Address1:	2089-2091 ARTHUR AVENUE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10457
Country Code:	001
Phone:	(718) 295-2178
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/19/2012

Tank Info:

Tank Number:	001
Tank Id:	36904
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	I04 - Overfill - Product Level Gauge (A/G)
	H00 - Tank Leak Detection - None
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J02 - Dispenser - Suction Dispenser
	L09 - Piping Leak Detection - Exempt Suction Piping
	B00 - Tank External Protection - None
	G03 - Tank Secondary Containment - Vault (w/o access)
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-466603
SWIS Code:	6101
Operator:	NYC HOUSING PRESERV & DEVEL
Facility Phone:	(212) 806-8565
Facility Addr2:	728 DRIGGS AVENUE
Facility Type:	Not reported
Emergency:	LEE KERBEL
Emergency Tel:	(718) 636-3015
Old PBSNO:	Not reported

728-730 DRIGGS AVENUE (Continued) **U003394616**

Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYC HOUSING PRESERV & DEVEL
Owner Address:	75 MAIDEN LANE
Owner City,St,Zip:	NEW YORK, NY 10038
Federal ID:	Not reported
Owner Tel:	(212) 806-8565
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	NYC HOUSING PRESERV & DEVEL
Mailing Address:	75 MAIDEN LANE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10038
Mailing Telephone:	(212) 806-8565
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	02/15/1989
Expiration:	02/15/1994
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing

728-730 DRIGGS AVENUE (Continued) **U003394616**

Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

AX198 **197-201 BROADWAY** **NY UST** **U001842060**
SE **197-201 BROADWAY** **NY HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.229 mi.
1207 ft. **Site 1 of 2 in cluster AX**

Relative:
Higher

Actual:
48 ft.

UST:
Id/Status: 2-601721 / Unregulated
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 587726.22346000001
UTM Y: 4507035.8485700004

Affiliation Records:
Site Id: 23683
Affiliation Type: Facility Owner
Company Name: PETER LUGER, INC.
Contact Type: Not reported
Contact Name: Not reported
Address1: 185 BROADWAY
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 387-0500
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 23683
Affiliation Type: Mail Contact
Company Name: PETER LUGER, INC.
Contact Type: Not reported
Contact Name: MARILYN SPIERA
Address1: 185 BROADWAY
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 387-0500
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 23683

197-201 BROADWAY (Continued) **U001842060**

Affiliation Type:	On-Site Operator
Company Name:	197-201 BROADWAY
Contact Type:	Not reported
Contact Name:	MARILYN SPIERA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23683
Affiliation Type:	Emergency Contact
Company Name:	PETER LUGER, INC.
Contact Type:	Not reported
Contact Name:	MARILYN SPIERA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 387-0500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	47603
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	12/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	ZZ
Date Test:	10/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

197-201 BROADWAY (Continued) **U001842060**

G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None

Tank Number:	002
Tank ID:	47604
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	12/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None

Tank Number:	003
Tank ID:	47605
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	12/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

197-201 BROADWAY (Continued) **U001842060**

G00 - Tank Secondary Containment - None
I00 - Overfill - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	004
Tank ID:	47606
Tank Status:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	12/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	ZZ
Date Test:	10/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
I00 - Overfill - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None

HIST UST:

PBS Number:	2-601721
SPDES Number:	Not reported
Emergency Contact:	MARILYN SPIERA
Emergency Telephone:	(718) 387-0500
Operator:	MARILYN SPIERA
Operator Telephone:	(718) 387-0500
Owner Name:	PETER LUGER, INC.
Owner Address:	185 BROADWAY
Owner City,St,Zip:	BROOKLYN, NY 11211
Owner Telephone:	(718) 387-0500
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	PETER LUGER, INC.
Mailing Address:	185 BROADWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	MARILYN SPIERA

197-201 BROADWAY (Continued) **U001842060**

Mailing Telephone:	(718) 387-0500
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	197 BROADWAY
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	01/27/1999
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	12/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002

197-201 BROADWAY (Continued) **U001842060**

Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	12/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	12/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported

197-201 BROADWAY (Continued) **U001842060**

Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	10/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	12/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AX199 **PETER LUGER INC** **RCRA NonGen / NLR** **1000871591**
SE **197 BROADWAY** **FINDS** **NY0000074393**
1/8-1/4 **BROOKLYN, NY 11211**
0.229 mi.
1207 ft. **Site 2 of 2 in cluster AX**

Relative:
Higher

Actual:
48 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	PETER LUGER INC
Facility address:	197 BROADWAY BROOKLYN, NY 112116128
EPA ID:	NY0000074393
Mailing address:	BROADWAY BROOKLYN, NY 11211
Contact:	Not reported
Contact address:	BROADWAY BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PETER LUGER INC
Owner/operator address:	185 BROADWAY BROOKLYN, NY 11211
Owner/operator country:	US
Owner/operator telephone:	(718) 387-0500
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

PETER LUGER INC (Continued) **1000871591**

Owner/operator name: PETER LUGER INC
Owner/operator address: 185 BROADWAY
BROOKLYN, NY 11211
Owner/operator country: US
Owner/operator telephone: (718) 387-0500
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: PETER LUGER INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: PETER LUGER INC
Classification: Not a generator, verified

Date form received by agency: 12/09/1993
Facility name: PETER LUGER INC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/23/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004310157

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

PETER LUGER INC (Continued) **1000871591**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AT200 East 1/8-1/4 0.230 mi. 1212 ft. | **NYC BD OF ED - JHS 50 SCHOOL BLDG** | **RCRA NonGen / NLR** | **1000104044**
183 S 3RD ST | **NY MANIFEST** | **NYD159553346**
BROOKLYN, NY 11211

Site 2 of 3 in cluster AT

Relative: Higher

Actual: 47 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYC BD OF ED - JHS 50 SCHOOL BLDG
Facility address:	183 S 3RD ST BROOKLYN, NY 112115311
EPA ID:	NYD159553346
Mailing address:	QUEENS PLZ N LONG ISLAND CITY, NY 11101
Contact:	Not reported
Contact address:	QUEENS PLZ N LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYC BOARD OF EDUCATION
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYC BOARD OF EDUCATION
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

NYC BD OF ED - JHS 50 SCHOOL BLDG (Continued) **1000104044**

Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	NYC BD OF ED - JHS 50 SCHOOL BLDG
Classification:	Not a generator, verified
Date form received by agency:	07/08/1999
Facility name:	NYC BD OF ED - JHS 50 SCHOOL BLDG
Classification:	Not a generator, verified
Date form received by agency:	10/23/1989
Facility name:	NYC BD OF ED - JHS 50 SCHOOL BLDG
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYD159553346
Country:	USA
Mailing Name:	NYC BOARD OF EDUCATION
Mailing Contact:	MR CARDELLO
Mailing Address:	28-11 QUEENS PLAZA NO. RM 905
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-387-4186

Document ID:	NYB2180952
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891226
Trans1 Recv Date:	891226
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891226
Part A Recv Date:	900109
Part B Recv Date:	900109
Generator EPA ID:	NYD159553346
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00050

NYC BD OF ED - JHS 50 SCHOOL BLDG (Continued) **1000104044**

Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00011
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00017
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00250
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D005 - BARIUM 100.0 MG/L TCLP
Quantity:	01000
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89

Document ID:	NYB2181393
Manifest Status:	Completed copy
Trans1 State ID:	LC5437NY
Trans2 State ID:	Not reported
Generator Ship Date:	900103
Trans1 Recv Date:	900103
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900103
Part A Recv Date:	900109
Part B Recv Date:	900122
Generator EPA ID:	NYD159553346
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296

NYC BD OF ED - JHS 50 SCHOOL BLDG (Continued) **1000104044**

Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00300
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00060
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	90

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-10-25
Trans1 Recv Date:	2011-10-25
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-10-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD159553346
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	30.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142886FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

NYC BD OF ED - JHS 50 SCHOOL BLDG (Continued) **1000104044**

Mgmt Method Type Code: H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-10-25
Trans1 Recv Date:	2011-10-25
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-10-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD159553346
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	75.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	11.0
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142886FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

AT201 **P.S. 50** **NY AST** **U003394337**
East **183 SOUTH 3RD STREET** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.230 mi.
1212 ft. **Site 3 of 3 in cluster AT**

Relative:
Higher

Actual:
47 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-356239
Program Type:	PBS
UTM X:	587881.41011000006
UTM Y:	4507239.9476699997
Expiration Date:	2013/06/28

Affiliation Records:

Site Id:	17786
Affiliation Type:	On-Site Operator
Company Name:	JUNIOR HIGH SCHOOL 50 - BROOKLYN (K050)

P.S. 50 (Continued) **U003394337**

Contact Type:	Not reported
Contact Name:	PLANT OPERATIONS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 349-5400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/1/2011

Site Id:	17786
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	SCHOOL SAFETY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 935-3300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	4/1/2013

Site Id:	17786
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/26/2013

Site Id:	17786
Affiliation Type:	Mail Contact
Company Name:	NYC DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	MUNENDRA SHARMA
Address1:	FIELD OPERATIONS-FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY

P.S. 50 (Continued) **U003394337**

Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	MSHARMA@SCHOOLS,NYC.GOV
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/14/2013

Tank Info:

Tank Number:	01
Tank Id:	34802
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1959
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	01/11/2013

Tank Number:	02
Tank Id:	34803
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating

P.S. 50 (Continued) **U003394337**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1959
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	01/11/2013

HIST AST:

PBS Number:	2-356239
SWIS Code:	6101
Operator:	PLANT OPERATION
Facility Phone:	(718) 391-6000
Facility Addr2:	183 SOUTH 3RD STREET
Facility Type:	SCHOOL
Emergency:	SCHOOL SAFETY
Emergency Tel:	(212) 979-3300
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NEW YORK CITY BOARD OF EDUCATION
Owner Address:	28-11 QUEENS PLAZA NORTH
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 391-6832
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Contact:	FRANK CARDELLO/PLANT OPERNTROL
Mailing Name:	BOARD OF EDUCATION
Mailing Address:	28-11 QUEENS PLAZA NORTH
Mailing Address 2:	5 FLOOR
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 391-6832
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/02/1998
Expiration:	06/28/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	20000
FAMT:	True
Facility Screen:	No Missing Data

P.S. 50 (Continued) **U003394337**

Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	10000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	01
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	002
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	10000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	01
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data

P.S. 50 (Continued) **U003394337**

Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

AQ202 **188 SOUTH SECOND ST** **NY AST** **A100362318**
East **188 SOUTH SECOND ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.230 mi.
1217 ft. **Site 4 of 4 in cluster AQ**

Relative:
Higher

Actual:
49 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-611879
Program Type:	PBS
UTM X:	Not reported
UTM Y:	Not reported
Expiration Date:	2015/11/19

Affiliation Records:

Site Id:	468287
Affiliation Type:	Facility Owner
Company Name:	LOS SURES SIP HDFC
Contact Type:	AGENT
Contact Name:	CLEVIE A. STEWART
Address1:	1191 BROADWAY, 1ST FLOOR
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11221
Country Code:	001
Phone:	(718) 443-4766
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/27/2012

Site Id:	468287
Affiliation Type:	Mail Contact
Company Name:	LOS SURES SIP HDFC C/O MHR MGMT INC
Contact Type:	Not reported
Contact Name:	MARTHA RODRIGUEZ
Address1:	1191 BROADWAY, 1ST FLOOR
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11221
Country Code:	001
Phone:	(718) 443-4766
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	9/17/2012

188 SOUTH SECOND ST (Continued) **A100362318**

Site Id:	468287
Affiliation Type:	On-Site Operator
Company Name:	188 SOUTH SECOND ST
Contact Type:	Not reported
Contact Name:	ERNESTO ALONSO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 578-1887
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/27/2012

Site Id:	468287
Affiliation Type:	Emergency Contact
Company Name:	LOS SURES SIP HDFC
Contact Type:	Not reported
Contact Name:	MARTHA RODRIGUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 433-4766
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	9/17/2012

Tank Info:

Tank Number:	001
Tank Id:	245401
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

L00 - Piping Leak Detection - None
K00 - Spill Prevention - None
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser

Tank Location: 3

188 SOUTH SECOND ST (Continued) **A100362318**

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/19/2010
Capacity Gallons:	3500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	08/27/2012

203
NNE
1/8-1/4
0.231 mi.
1220 ft.

GARCIA-RIVERA PROPERTY
98 N 1ST ST
BROOKLYN, NY 11211

RCRA NonGen / NLR
FINDS
NY MANIFEST

1000171304
NYD981563737

Relative:
Lower

Actual:
39 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	GARCIA-RIVERA PROPERTY
Facility address:	98 N 1ST ST BROOKLYN, NY 112113936
EPA ID:	NYD981563737
Mailing address:	GRAND ST BROOKLYN, NY 11211
Contact:	Not reported
Contact address:	GRAND ST BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ELLEN & OSCAR GARCIA-RIVERA
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ELLEN & OSCAR GARCIA-RIVERA
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported

GARCIA-RIVERA PROPERTY (Continued) **1000171304**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: GARCIA-RIVERA PROPERTY
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: GARCIA-RIVERA PROPERTY
Classification: Not a generator, verified

Date form received by agency: 10/30/1986
Facility name: GARCIA-RIVERA PROPERTY
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/09/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004410021

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD981563737

GARCIA-RIVERA PROPERTY (Continued) **1000171304**

Country:	USA
Mailing Name:	GARCIA RIVERA
Mailing Contact:	GARCIA RIVERA
Mailing Address:	101 GRAND STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-782-2541

Document ID:	NYA3091566
Manifest Status:	Completed copy
Trans1 State ID:	NY92303-G
Trans2 State ID:	Not reported
Generator Ship Date:	861105
Trans1 Recv Date:	861105
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	861105
Part A Recv Date:	861118
Part B Recv Date:	861113
Generator EPA ID:	NYD981563737
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00150
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	86

204
SSW
1/8-1/4
0.236 mi.
1246 ft.

CON EDISON
BERRY ST & S 9TH ST
BROOKLYN, NY 11211

RCRA-CESQG **1014396235**
NYP004184156

Relative:
Lower

Actual:
32 ft.

RCRA-CESQG:

Date form received by agency:	07/14/2009
Facility name:	CON EDISON
Facility address:	BERRY ST & S 9TH ST BROOKLYN, NY 11211
EPA ID:	NYP004184156
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	CAROLINE ISKANDER

CON EDISON (Continued) **1014396235**

Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (718) 666-4714
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

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205 **195 SOUTH 4TH STREET** **NY AST** **U003394667**
ESE **195 SOUTH 4TH STREET** **NY HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11211**
0.237 mi.
1250 ft.

Relative:
Higher

Actual:
48 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-467146
Program Type:	PBS
UTM X:	587862.61762999999
UTM Y:	4507163.3859000001
Expiration Date:	2018/04/01

Affiliation Records:

Site Id:	20305

195 SOUTH 4TH STREET (Continued) **U003394667**

Affiliation Type:	On-Site Operator
Company Name:	195 SOUTH 4TH STREET
Contact Type:	Not reported
Contact Name:	195 SOUTH 4TH STREET HDFC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 806-8565
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20305
Affiliation Type:	Emergency Contact
Company Name:	195 SOUTH 4TH STREET HDFC
Contact Type:	Not reported
Contact Name:	BRIGIDO MARTINEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 384-2622
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/24/2005

Site Id:	20305
Affiliation Type:	Facility Owner
Company Name:	195 SOUTH 4TH STREET HDFC
Contact Type:	PRESIDENT 195 SO. 4TH ST HDFC
Contact Name:	BRIGIDO MARTINEZ, PRESIDENT
Address1:	195 SOUTH 4TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 384-2622
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/24/2005

Site Id:	20305
Affiliation Type:	Mail Contact
Company Name:	195 SOUTH 4TH STREET HDFC
Contact Type:	PRESIDENT 195 SO. 4TH ST HDFC
Contact Name:	BRIGIDO MARTINEZ, PRESIDENT
Address1:	195 SOUTH 4TH STREET
Address2:	Not reported

195 SOUTH 4TH STREET (Continued) **U003394667**

City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 384-2622
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/24/2005

Tank Info:

Tank Number:	001
Tank Id:	36982
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1920
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	03/18/2013

HIST AST:

PBS Number:	2-467146
SWIS Code:	6101
Operator:	195 SOUTH 4TH STREET HDFC
Facility Phone:	(212) 806-8565
Facility Addr2:	195 SOUTH 4TH STREET
Facility Type:	Not reported
Emergency:	BRIGIDO MARTINEZ
Emergency Tel:	(718) 782-6693
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported

195 SOUTH 4TH STREET (Continued) **U003394667**

Result of Inspection:	Not reported
Owner Name:	195 SOUTH 4TH STREET HDFC
Owner Address:	195 SOUTH 4TH STREET
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 782-6693
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	SUPER FACILITY MANAGER
Mailing Name:	195 SOUTH 4TH STREET HDFC
Mailing Address:	195 SOUTY 4TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 782-6693
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	04/02/1998
Expiration:	04/01/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	4000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported

195 SOUTH 4TH STREET (Continued) **U003394667**

Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

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206 NNW 1/4-1/2 0.264 mi. 1392 ft. | **D61 KENT AVE. BKLYN/RADIA 261 KENT AVE. NEW YORK CITY, NY** | **NY LTANKS** | **S100166970 N/A**

Relative: Lower

Actual: 19 ft.

LTANKS:

Site ID:	211204
Spill Number/Closed Date:	8605975 / 8/5/1987
Spill Date:	12/19/1986
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	8/5/1987
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	12/20/1986
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1/8/1987
Spill Record Last Update:	9/2/1987
Spiller Name:	Not reported
Spiller Company:	RADIAC RESEARCH
Spiller Address:	261 KENT AVE.
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	175066
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was " " Not reported
Remarks:	TANK TEST FAILURE -AIR PRESSURE TEST

Material:

Site ID:	211204
Operable Unit ID:	903342
Operable Unit:	01
Material ID:	475115
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1

D61 KENT AVE. BKLYN/RADIA (Continued) **S100166970**

Units: Not reported
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 211204
Spill Tank Test: 1530460
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

207
SE
1/4-1/2
0.274 mi.
1446 ft.

SOUTH 8TH ST
BROOKLYN, NY

NY LTANKS **S104782398**
N/A

Relative:
Higher

Actual:
47 ft.

LTANKS:
Site ID: 193984
Spill Number/Closed Date: 0007650 / 2/5/2004
Spill Date: 9/29/2000
Spill Cause: Tank Overfill
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 2401
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 9/29/2000
CID: 396
Water Affected: Not reported
Spill Notifier: Citizen
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 9/29/2000
Spill Record Last Update: 2/5/2004
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller County: 999
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 161691

(Continued) **S104782398**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"closed due to lack of information.

Remarks: spill on 8th st between roebling and driggs ave. on south side of street. largest build. near roebling...states that spill is alloverthe side walk and is getting into storm sewer.

Material:

Site ID:	193984
Operable Unit ID:	828386
Operable Unit:	01
Material ID:	545180
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

---

208 SW 1/4-1/2 0.293 mi. 1545 ft.

Relative: Lower

Actual: 15 ft.

EMPTY WAREHOUSE
431 KENT AVE
BROOKLYN, NY

NY HIST UST **U003074765**
NY AST **N/A**
NY HIST AST
NY MANIFEST
NY Spills
NY BROWNFIELDS

HIST UST:

PBS Number:	2-349275
SPDES Number:	Not reported
Emergency Contact:	CLIFFORD SALM
Emergency Telephone:	(908) 972-8491
Operator:	DOMSEY FIBER CORP
Operator Telephone:	(718) 384-6000
Owner Name:	DOMSEY TRADING CORP
Owner Address:	431 KENT AVENUE
Owner City,St,Zip:	BROOKLYN, NY 11211
Owner Telephone:	(718) 384-6000
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	DOMSEY TRADING CORP
Mailing Address:	431 KENT AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	CLIFFORD SALM
Mailing Telephone:	(718) 384-6000
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	431 KENT AVENUE
SWIS ID:	6101
Old PBS Number:	Not reported

EMPTY WAREHOUSE (Continued) **U003074765**

Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	05/07/1998
Expiration Date:	05/19/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	002
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	09/01/1988
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1991
Test Method:	Tank Auditor
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None

EMPTY WAREHOUSE (Continued) **U003074765**

Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	09/01/1988
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1991
Test Method:	Tank Auditor
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	09/01/1988
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1991
Test Method:	Tank Auditor
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON

EMPTY WAREHOUSE (Continued) **U003074765**

Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	09/01/1988
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1991
Test Method:	Tank Auditor
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1991
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-349275
Program Type:	PBS
UTM X:	587150.13644999999
UTM Y:	4506983.13344
Expiration Date:	N/A

Affiliation Records:

Site Id:	17188
Affiliation Type:	Mail Contact
Company Name:	NORTH TRU CONSTRUCTION MANAGEMENT
Contact Type:	Not reported

EMPTY WAREHOUSE (Continued) **U003074765**

Contact Name:	ISAAC HAGER
Address1:	217 HAVEMEYER STREET, 5TH FLOOR
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 599-8600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/20/2008

Site Id:	17188
Affiliation Type:	On-Site Operator
Company Name:	KENT WYTHE 9TH STREET, LLC
Contact Type:	Not reported
Contact Name:	N/A
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(999) 999-9999
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/20/2008

Site Id:	17188
Affiliation Type:	Emergency Contact
Company Name:	KENT WYTHE 9TH STREET, LLC
Contact Type:	Not reported
Contact Name:	N/A
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(999) 999-9999
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/20/2008

Site Id:	17188
Affiliation Type:	Facility Owner
Company Name:	KENT WYTHE 9TH STREET, LLC
Contact Type:	SITE MONITOR
Contact Name:	RICHARD BOMBARD / EBC
Address1:	217 HAVEMEYER STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211

EMPTY WAREHOUSE (Continued) **U003074765**

Country Code:	001
Phone:	(718) 599-8600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/20/2008

Tank Info:

Tank Number:	001
Tank Id:	33438
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

H04 - Tank Leak Detection - Groundwater Well
I05 - Overfill - Vent Whistle
G03 - Tank Secondary Containment - Vault (w/o access)
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
B01 - Tank External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	02
Date Test:	09/01/1988
Next Test Date:	Not reported
Date Tank Closed:	01/18/2008
Register:	True
Modified By:	dxliving
Last Modified:	05/20/2008

Tank Number:	002
Tank Id:	33439
Material Code:	0009
Common Name of Substance:	Gasoline

Equipment Records:

H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None

Tank Location:	6

EMPTY WAREHOUSE (Continued) **U003074765**

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	4000
Tightness Test Method:	02
Date Test:	09/01/1988
Next Test Date:	Not reported
Date Tank Closed:	06/01/1991
Register:	True
Modified By:	JMKRIMGO
Last Modified:	06/13/2008

Tank Number:	003
Tank Id:	33440
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

C02 - Pipe Location - Underground/On-ground
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	4000
Tightness Test Method:	02
Date Test:	09/01/1988
Next Test Date:	Not reported
Date Tank Closed:	06/01/1991
Register:	True
Modified By:	JMKRIMGO
Last Modified:	06/13/2008

Tank Number:	005
Tank Id:	33442
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

EMPTY WAREHOUSE (Continued) **U003074765**

	J02 - Dispenser - Suction Dispenser
	I00 - Overfill - None
	B00 - Tank External Protection - None
Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	4000
Tightness Test Method:	02
Date Test:	09/01/1988
Next Test Date:	Not reported
Date Tank Closed:	06/01/1991
Register:	True
Modified By:	JMKRIMGO
Last Modified:	06/13/2008

HIST AST:

PBS Number:	2-349275
SWIS Code:	6101
Operator:	DOMSEY FIBER CORP
Facility Phone:	(718) 384-6000
Facility Addr2:	431 KENT AVENUE
Facility Type:	MANUFACTURING
Emergency:	CLIFFORD SALM
Emergency Tel:	(908) 972-8491
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	DOMSEY TRADING CORP
Owner Address:	431 KENT AVENUE
Owner City,St,Zip:	BROOKLYN, NY 11211
Federal ID:	Not reported
Owner Tel:	(718) 384-6000
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	CLIFFORD SALM
Mailing Name:	DOMSEY TRADING CORP
Mailing Address:	431 KENT AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Telephone:	(718) 384-6000
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	05/07/1998
Expiration:	05/19/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data

EMPTY WAREHOUSE (Continued) **U003074765**

Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	01
Tank Containment:	Diking
Leak Detection:	03
Overfill Protection:	06
Dispenser Method:	Suction
Date Tested:	09/01/1988
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	06/01/1991
Test Method:	Tank Auditor
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYR000197756
Country:	USA
Mailing Name:	DOMSEY FIBER CORP SITE FORMER
Mailing Contact:	DOMSEY FIBER CORP SITE FORMER
Mailing Address:	144 SPENCER ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11205
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	631-504-6000

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	1112869
DER Facility ID:	415308
Facility Type:	ER
Site ID:	460835

EMPTY WAREHOUSE (Continued) **U003074765**

DEC Region:	2
Spill Date:	2/9/2012
Spill Number/Closed Date:	1112869 / Not Reported
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	RMPIPER
Referred To:	Not reported
Reported to Dept:	2/9/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	2/9/2012
Spill Record Last Update:	2/27/2012
Spiller Name:	UNKNOWNUSSEE
Spiller Company:	PROPERTY OWNER
Spiller Address:	431 KENT AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Contact Name:	UNKNOWN USE
Contact Phone:	Not reported
DEC Memo:	2/21/2012 - Owner: Wythe & Kent Realty LLC. Joel Braver Express Builders 144 spencer St, Brooklyn Sangesland spoke to Kevin Brussee at Environmental Business Consultants. He said the site is a former industrial site (between oil terminals). Site is now rezoned for residential towers. Soil borings done as part of the redevelopment Phase 2 discovered VOC, SVOC, PCE & TCE contamination. Developer has already given a presentaion and prepared a plan for the City office of OER. Since the city OER can not deal with PCE & TCE, the developer "may" apply to the NYSDEC Brownfield program. This is NOT a short term cleanup case.2/24/2012 Kevin Brussee at EBC said he's working with Shaminder (Former DEC now City OER) at 212-442-3007. Shaminder said he already sent the technical report outlining the contamination to Paul John (Copy has now been forwarded to Ryan Piper). After this report is reviewed and confirmed that it is NOT a short term cleanup, Randy Austin said it can be forwarded on to Remediation for action.
Remarks:	soil sample from 8-12 feet showing contaminations

Material:

Site ID:	460835
Operable Unit ID:	1210936
Operable Unit:	01
Material ID:	2208619
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported

EMPTY WAREHOUSE (Continued) **U003074765**

Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1213023
DER Facility ID:	415308
Facility Type:	ER
Site ID:	476189
DEC Region:	2
Spill Date:	12/4/2012
Spill Number/Closed Date:	1213023 / Not Reported
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	2401
Investigator:	snboller
Referred To:	Not reported
Reported to Dept:	12/4/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	12/4/2012
Spill Record Last Update:	12/5/2012
Spiller Name:	CHARLES SOSIK
Spiller Company:	STATE BROWNFIELD PROJECT
Spiller Address:	431 KENT AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Contact Name:	CHARLES SOSIK
Contact Phone:	(631) 504-6000
DEC Memo:	Not reported
Remarks:	Tank removal with impacted soil. Cleanup is pending. Sean Bollers (718-482-4608) DEC rep wanted case routed to him.

Material:

Site ID:	476189
Operable Unit ID:	1226022
Operable Unit:	01
Material ID:	2223385
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.01
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

EMPTY WAREHOUSE (Continued) **U003074765**

Tank Test:

BROWNFIELDS:
Program: BCP
Site Code: 462026
Site Description: Location:The Site is known as 431 Kent Avenue, and is comprised of a single tax parcel identified as Block 2135, Lot 1. The majority of the property is currently vacant but was previously occupied by Domsey Fiber Corp.The Site is located in the Williamsburg section of Brooklyn (Kings County) and is comprised of a single tax parcel totaling 135,025 square feet (3.09 acres). The lot has 237 feet of frontage on South 11th Street, 490 feet on Wythe Avenue, and 498 feet on Kent Avenue.Site Features:The subject site is developed with three buildings as follows:Two-story brick building - (44 South 9th Street) - The two-story brick building is located on the southwest corner of the intersection of Wythe Avenue and South 9th Street. The building was constructed prior to 1935. The building has no basement. The building is vacant, but finished.Four-story brick building - (36 to 38 South 9th Street) - The three-story brick building is adjacent to the two-story brick building, and fronts the northern portion of the lot that was formerly South 9th Street. The building has a full basement, which is currently empty. The building was constructed prior to 1918. A small open air alleyway is located between the two-story brick building and the four-story brick building. An old transformer shed is located at the rear of the alley.Warehouse building - The majority of the lot is developed with a one-story concrete blockwarehouse building that was constructed in 1959. The southern half of the building is currentlyutilized by Lucky Supply, Inc., which is a warehouse facility that sells plastic and aluminum food containers. The other half of the warehouse building is currently vacant. The northwestern portion of the warehouse building has a second floor which is set up as office space (also vacant).Properties located north and south of the subject property are developed as residential properties. Properties to the east and west along Wythe Avenue and Kent Avenue are mixed with commercial and residential properties.Current Zoning:In 2002 the subject Site and two additional parcels were rezoned from M3-1 heavy industrial to R7AResidential as part of the Domsey Rezoning Conditional Negative Declaration (CEQR No. 00DCP008K). Historical Uses:The subject site was utilized primarily for a variety of commercial and industrial uses from the late 1800s to the 1940s. Former on-site commercial/industrial operations included the following; machine shops, a pump works, leather goods manufacturing, pen manufacturing, coffin manufacturing, confectioners, paint and varnish manufacturing companies, a gas appliance manufacturing company, truck and auto repair shops, laboratories, and construction companies. All of the buildings within the footprint were demolished sometime before 1959 and then redeveloped with the warehouse building that currently occupies the site for use by the F & M Schaefer Brewing Co. for warehousing and shipping of beer. The last tenant was Domsey International Trading Co. (used clothing factory), which was reported to have moved in sometime between 1975 and 1986 and left by 2002.Site Geology and Hydrogeology:Subsurface soils at the Site consist of a silty non-native fill with bricks, wood and other rubble to approximately 5 feet below grade. A native fine brown silty-sand is

EMPTY WAREHOUSE (Continued) **U003074765**

present immediately below the fill material to adepth of approximately 12 feet below grade. The fine silty-sand layer is underlain by a fine tocoarse sand and gravel layer to the water table.The elevation of the property is approximately 16-25 feet above the National Geodetic Vertical Datum (NGVD). The topography in the immediate area of the property generally slopes downward from east to the west.Surface WaterThe nearest body of water to the subject site is Wallabout Channel (a portion of the East River) located approximately 358 feet to the west.GroundwaterThe depth to groundwater beneath the site is approximately 20 feet below grade. Groundwater flow is expected to flow west toward the East River.

Env Problem: The soil and groundwater at the site have been affected by a release(s) of petroleum, PCE andpossibly TCE. The sources of these releases have not been identified. TCE is also off-gassingfrom affected soil and or groundwater and is present in soil gas above concentrations of concern in many areas of the Site.In addition soil in the central area of the property may be affected with chromium and nickel as a result of past operations. Further investigation will be required to delineate the extent of contamination, identify sources and to assist in the development of a remedial program.

Health Problem: Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

209
SE
1/4-1/2
0.310 mi.
1639 ft.

240 BROADWAY
240 BROADWAY
BROOKLYN, NY

NY LTANKS **S104877138**
N/A

Relative:
Higher

Actual:
46 ft.

LTANKS:

Site ID:	323817
Spill Number/Closed Date:	0008979 / 9/27/2005
Spill Date:	11/2/2000
Spill Cause:	Tank Failure
Spill Source:	Non Major Facility > 1,100 gal
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	JRSTRANG
Referred To:	Not reported
Reported to Dept:	11/2/2000
CID:	312
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/2/2000
Spill Record Last Update:	9/27/2005
Spiller Name:	MARIA MANDARINO
Spiller Company:	BRIDGE TRANSPORTATION
Spiller Address:	176 27TH ST
Spiller City,St,Zip:	BROOKLYN, NY 11217-
Spiller County:	001

240 BROADWAY (Continued) **S104877138**

Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	260865
DEC Memo:	9/12/05 Transferred to StrangClosed less than 25 gallons, spill cleaned up.
Remarks:	PLUGGED VENT CAUSED BACK UP - BEING CLEANED UP

Material:

Site ID:	323817
Operable Unit ID:	829573
Operable Unit:	01
Material ID:	546482
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	10
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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210 ESE 1/4-1/2 0.332 mi. 1751 ft. | **CLOSED-LACKOF RECENT INFO** | **NY LTANKS** | **S106703480**
263 SOUTH 4TH STREET | **N/A**
BROOKLYN, NY

Relative: Lower

Actual: 42 ft.

LTANKS:

Site ID:	177231
Spill Number/Closed Date:	9008048 / 3/4/2003
Spill Date:	10/23/1990
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	ADMIN. CLOSED
Referred To:	Not reported
Reported to Dept:	10/23/1990
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	11/1/1990
Spill Record Last Update:	9/3/2003
Spiller Name:	Not reported

CLOSED-LACKOF RECENT INFO (Continued) **S106703480**

Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	148926
DEC Memo:	Not reported
Remarks:	2K TANK FAILED VACUTECH WITH A GROSS LEAK, WATER IN TANK.CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:

Site ID:	177231
Operable Unit ID:	948700
Operable Unit:	01
Material ID:	431878
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	177231
Spill Tank Test:	1537752
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AY211 **NORTH 1ST ST TERMINAL** **NY LTANKS** **S102145872**
North **NORTH 1ST ST & KENT AVE** **NY Spills** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.335 mi.
1769 ft. **Site 1 of 3 in cluster AY**

Relative:
Lower

Actual:
19 ft.

LTANKS:

Site ID:	230666
Spill Number/Closed Date:	9009234 / 11/24/1990
Spill Date:	11/24/1990
Spill Cause:	Tank Overfill
Spill Source:	Major Facility > 400,000 gal
Spill Class:	Not reported
Cleanup Ceased:	11/24/1990
Cleanup Meets Standard:	True
SWIS:	2401

NORTH 1ST ST TERMINAL (Continued) **S102145872**

Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	11/24/1990
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/28/1990
Spill Record Last Update:	4/18/1991
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	190093
DEC Memo:	Not reported
Remarks:	TANK OVERFILLED, AAA ON SCENE,NYCFD ON SCENE, TANK FARM B, TANK 600 TRANSFERRING TO 10K UST BOILER FEED TANK, ALARM WENT OFF BUT VALVE WASNOT CLOSED TO TANK CAUSING OVERFILL OF ~400 GALLONS.

Material:

Site ID:	230666
Operable Unit ID:	946430
Operable Unit:	01
Material ID:	432998
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	400
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	9004154
DER Facility ID:	190093
Facility Type:	ER
Site ID:	230664
DEC Region:	2
Spill Date:	7/15/1990
Spill Number/Closed Date:	9004154 / 7/15/1990
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	2401

NORTH 1ST ST TERMINAL (Continued) **S102145872**

Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	7/15/1990
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	7/15/1990
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/24/1990
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	FILLING TANK, MISGAUGED & CAUSED OVERFILL, AAA TO CLEAN UP, CONTAINED WITH ABSORBENTS.

Material:

Site ID:	230664
Operable Unit ID:	941956
Operable Unit:	01
Material ID:	435257
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	420
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9007240
DER Facility ID:	190093
Facility Type:	ER
Site ID:	230665
DEC Region:	2
Spill Date:	10/2/1990
Spill Number/Closed Date:	9007240 / 6/7/1995
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported

NORTH 1ST ST TERMINAL (Continued) **S102145872**

Reported to Dept:	10/2/1990
CID:	Not reported
Water Affected:	EAST RIVER
Spill Source:	Vessel
Spill Notifier:	Affected Persons
Cleanup Ceased:	6/7/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/10/1990
Spill Record Last Update:	4/9/2003
Spiller Name:	Not reported
Spiller Company:	BOUCHARD BARGE #115
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Remarks:	BARGE OFFLOADING, FUEL LEAKED FROM HOSE & WENT INTO RIVER.

Material:

Site ID:	230665
Operable Unit ID:	947761
Operable Unit:	01
Material ID:	434660
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AY212 **FYN PAINT AND LACQUER CO., INC.** **NY VCP** **S108524789**
North **230 KENT AVENUE** **NY CBS** **N/A**
1/4-1/2 **BROOKLYN, NY 11211**
0.340 mi.
1797 ft. **Site 2 of 3 in cluster AY**

Relative:
Lower

Actual:
19 ft.

VCP:

Program Type:	VCP
Site Code:	56974
HW Code:	V00380
Site Class:	A
SWIS:	2401
Region:	2
Town:	New York City
Acres:	.135
Date Record Added:	11/30/2000

FYN PAINT AND LACQUER CO., INC. (Continued) **S108524789**

Date Record Updated: 09/12/2011
Updated By: JHOCONNE
Site Description: Location:The 0.135 acre site is located in an urban area of Brooklyn at 230 Kent Avenue, Brooklyn, NY 11211 (Block 2362, Lot 1). It is bordered by Kent Avenue to the east, by River Street to the west, by North First Street to the south, and by Con Edison's former North First Street Oil Storage Terminal to the north. Site Features:On site it is a two story wood frame building with a partial basement. The building was used for paint and lacquer manufacturing. The site is an active RCRA facility (EPA # 001270867). Current Zonning:The current zoning is M3-1, heavy manufacturing. The site is located approximately 500 ft from the East River. The surrounding neighborhood consisted of warehouses, other manufacturing facilities, and residential buildings. In the last ten years, the neighborhood has transformed into a predominantly residential area. Historical Use:The site was a paint and lacquer manufacturing facility. The owner of the site entered into a Voluntary Cleanup Agreement (VCA) with the Department in April 2001. Geology and Hydrogeology: The site is located in the Atlantic Coastal Plain. The geology of this province is comprised of interbedded of sand clay and marl. The shallow soil beneath the site consists of 75 feet of medium and course sand, gravel and silt layers. The groundwater is 7 to 15 feet below grade. The groundwater flow direction is west towards East River.
Env Problem: Nature and Extent of Contamination:a) contamination: based on the investigations performed at the site it was revealed that the soil, soil vapor and groundwater are contaminated with volatile organic compounds (VOCs). The main VOCs are acetone, ethylbenzene, toluene, and mixed xylenes.b) areal/depth extent: the VOC plume from 14 closed-in-place underground storage tanks (USTs), and from spills which occurred during the manufacture of paint and lacquer, extends across the foot print of the Fyn Paint building into the adjacent sidewalks and Con Ed parking lot. c) concentrations: Groundwater monitoring conducted in 2006 revealed non-aqueous phase liquid (NAPL) and dissolved-phase contamination in three of the on-site and off-site monitoring wells. In March 2007, an Interim Remedial Measure (IRM) consisting of a groundwater pump and treatment system with an activated carbon filtration stage was installed and operated. The Remedial Investigation (RI) was completed in January 2008. A Remedial Action Work Plan (RAWP) to address on-site and off-site contamination was approved by the Department in October 2009. In 2010, a pilot test for soil vapor extraction and dual phase extraction system was performed for additional remedial system design. In July 2011, the RCRA closure work plan was approved.
Health Problem: It is unlikely that people will drink contaminated groundwater since the area is provided with public water. It is also unlikely that area residents will come in contact with contaminated soil and subsurface material since the site and the surrounding area are covered with buildings and pavement. If the site is redeveloped, construction workers or future site occupants may come in contact with site related contamination in soil if it is not handled properly. The potential for nearby residents and building occupants to breathe site-related contaminants that may migrate into nearby buildings via soil vapor intrusion will be evaluated.

CBS:
CBS Number: 2-000151

FYN PAINT AND LACQUER CO., INC. (Continued) **S108524789**

Program Type:	CBS
Facility Status:	Unregulated
Expiration Date:	N/A
Dec Region:	2
UTMX:	587396.11664999
UTMY:	4507872.9093899

AY213 **FYN PAINT AND LACQUER CO., INC.** **CERCLIS** **1014914854**
North **230 KENT AVENUE** **NYC200400950**
1/4-1/2 **BROOKLYN, NY 10007**
0.340 mi.
1797 ft. **Site 3 of 3 in cluster AY**

Relative:
Lower

Actual:
19 ft.

CERCLIS:

Site ID:	0206513
EPA ID:	NYC200400950
Facility County:	KINGS
Short Name:	FYN PAINT AND LACQUER CO.
Congressional District:	08
IFMS ID:	A294
SMSA Number:	Not reported
USGC Hydro Unit:	Not reported
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	Not reported
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	T
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	02
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date:	10/25/11
Site Fips Code:	36047
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported
Alias Comments:	Not reported

Site Description: Not reported

CERCLIS Assessment History:

Action Code:	001
Action:	REMOVAL ASSESSMENT
Date Started:	/ /
Date Completed:	11/29/11
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed

FYN PAINT AND LACQUER CO., INC. (Continued) **1014914854**

Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started: 11/16/11
Date Completed: 01/13/12
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Emergency
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Click this hyperlink while viewing on your computer to access
21 additional US CERCLIS Financial: record(s) in the EDR Site Report.

214
SSW
1/4-1/2
0.356 mi.
1880 ft.

APT BLDG
60 DIVISION AVE
BROOKLYN, NY

NY LTANKS **S105998976**
NY Spills **N/A**

Relative:
Lower

Actual:
35 ft.

LTANKS:
Site ID: 60593
Spill Number/Closed Date: 0301649 / 6/7/2004
Spill Date: 5/15/2003
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 2401
Investigator: SMSANGES
Referred To: Not reported
Reported to Dept: 5/15/2003
CID: 211
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 5/15/2003
Spill Record Last Update: 6/7/2004
Spiller Name: RICKY BRONS
Spiller Company: Not reported
Spiller Address: 60 DIVISION AV
Spiller City,St,Zip: BROOKLYN, NY
Spiller County: 001
Spiller Contact: RICKY BRONS
Spiller Phone: (718) 387-7007

APT BLDG (Continued) **S105998976**

Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 326882
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"5/15/03 - ROSSAN, DDO - Tank test failure letter prepared and sent to: Mr Ricky Brons Kent Village Housing Inc. 60 Division Avenue Brooklyn, NY 112114/23/2004 Sangesland saw that the PBS records show that tank #1 passed it's TT in May 2003 and Tank #2 failed in May 2003 and retested and passed in June 2003. Letter sent to owner requesting info on passing tank #2, so DEC can close out the case.6/7/2004 Sangesland received a package of info from Kent Village Housing Inc. Robert Kotara (718-387-8213). Package has a summary of the work done along with copies of the various tank testing.It says the "failure" was in the fill line of tank #2 "approx 2 feet from the fill cup - corroded threading".DEC contacted PTC to ask about the repair of this location. Ray at PTC says this work was done by someone else. PTC was called back to retest the system after the fill line pipe had been repaired.Sangesland spoke with Robert Kotara (Director of Physical Operations at Kent Village) He said the fill line was replaced/ repaired by the building super. He says there was NO CONTAMINATION SEEN IN THE SOIL AROUND THIS LOCATION. A written statement saying this was faxed to the DEC today.Spill Closed
Remarks: Not reported

Material:
Site ID: 60593
Operable Unit ID: 868205
Operable Unit: 01
Material ID: 506141
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 60593
Spill Tank Test: 1528378
Tank Number: 002
Tank Size: 20000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

SPILLS:
Facility ID: 0612468
DER Facility ID: 326882
Facility Type: ER

APT BLDG (Continued) **S105998976**

Site ID:	377329
DEC Region:	2
Spill Date:	2/15/2007
Spill Number/Closed Date:	0612468 / 4/13/2007
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	2401
Investigator:	VSZHUNE
Referred To:	Not reported
Reported to Dept:	2/15/2007
CID:	73
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/15/2007
Spill Record Last Update:	7/2/2007
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	RICK
Contact Phone:	(347) 672-7384
DEC Memo:	15/07-Vought-Seconday reponsder training DEC Zhune. This spill closed and referred to open spill #0612464 at same location.
Remarks:	CAUSE UNKNOWN. SPILL IS IN AN OUTDOOR COURT YARD. SPILL IS CONTAINED. EAST COAST PETRO IS ON SCENE.

Material:

Site ID:	377329
Operable Unit ID:	1134872
Operable Unit:	01
Material ID:	2124754
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

215 SW 1/4-1/2 0.360 mi. 1901 ft. | **PEOPLES WORKS** | **EDR MGP** | **1008407896** | **N/A**
KENT AVE. S. 10TH ST., S. 11TH ST.
BROOKLYN, NY 11211

Relative: Lower

Actual: 12 ft.

Manufactured Gas Plants:
No additional information available

AZ216 North 1/4-1/2 0.373 mi. 1969 ft. | **46-11 METROPOLITAN AVE** | **NY LTANKS** | **S104275741** | **N/A**
46-11 METROPOLITAN AVE
BROOKLYN, NY

Site 1 of 2 in cluster AZ

Relative: Lower

Actual: 16 ft.

LTANKS:

Site ID:	303971
Spill Number/Closed Date:	9505833 / 12/12/1996
Spill Date:	7/28/1995
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	8/11/1995
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	9/12/1995
Spill Record Last Update:	5/15/1997
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	245597
DEC Memo:	Not reported
Remarks:	10-12 550 GAL TANKS ON SITE - SOIL SAMPLES INDICATE GASOLINE IN -SOIL BELIEVED TANKS HAVE LEAKED OVER THE YEARS - SITE IS BEING CLOSED

Material:

Site ID:	303971
Operable Unit ID:	1016724
Operable Unit:	01
Material ID:	363820

46-11 METROPOLITAN AVE (Continued) **S104275741**

Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AZ217 **WILLIAMS MASPETH TERMINAL INC.** **NY MOSF** **S108413245**
North **46-75 METROPOLITAN AVE** **N/A**
1/4-1/2 **BROOKLYN, NY 11237**
0.373 mi.
1971 ft. **Site 2 of 2 in cluster AZ**

Relative:
Lower

Actual:
16 ft.

MOSF:

Facility ID:	2-1820
Program Type:	MOSF
Tank Status:	Inactive
Expiration Date:	N/A
Dec Region:	2
UTMX:	590841.47074000
UTMY:	4507575.3803399

BA218 **APARTMENT BUILDING** **NY LTANKS** **S107789096**
East **265 SOUTH 2ND ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.389 mi.
2052 ft. **Site 1 of 4 in cluster BA**

Relative:
Lower

Actual:
35 ft.

LTANKS:

Site ID:	362170
Spill Number/Closed Date:	0600214 / 11/17/2006
Spill Date:	4/6/2006
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	4/6/2006
CID:	406
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/6/2006

APARTMENT BUILDING (Continued) **S107789096**

Spill Record Last Update:	11/20/2006
Spiller Name:	CHUCK MERRITT
Spiller Company:	APARTMENT BUILDING
Spiller Address:	265 SOUTH 2ND ST.
Spiller City,St,Zip:	BROOKLYN, NY 11201
Spiller County:	001
Spiller Contact:	CHUCK MERRITT
Spiller Phone:	(718) 767-7997
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	312408
DEC Memo:	04/07/06-Hiralkumar Patel. Spoke with Jim at Protest and he found that tank was leaking. this is 4000 gal AST vaulted in Concrete. haven't heard after tank test. Left message for Chuck Merritt at Merritt Engineering.04/17/06-Hiralkumar Patel. Left message for Ms. Marian at Merritt Engineering. Received call from Maryann Wagh from Merritt Engineering. she gave me following information about owner of property:Super REalty LLCMr. Abe Lasker(917) 753-8996. Left message for Chuck at Merritt as Maryann doesn't have latest information on case.Spoke with Abe Lasker at Super Realty. as per Mr. Lasker, somebody did work at site on Thursday to find out leakage. he doesn't know who did it. He is the Manager of property and his address is:Abe LaskerSuper Realty LLCPO Box 110525Brooklyn, NY 11211Ph. (917) 753-8996FAX (718) 336-8983Received call from Chuck (FAX: 718-767-7996) from Merritt Engineering. as per him, Protest did isolation test and found leakage in pipings.Spoke with John at Pro Test. these are two different buildings and as per him, he found leakage in Vent pipe and remote fill. one building has vent pipe only leakage and another has vent pipe and remote fill. he doesn't know which one has what problem, so he will fax me that information with copies of test results. he still waiting to get approval for repair work. 05/11/06-Hiralkumar Patel. Left message for Jim at Protest. Received message from Jim. they haven't heard from owner yet. left message for Mr. Merritt.06/01/06-Hiralkumar Patel. Spoke at Protest. Jim is out of office and will be back tomorrow.06/02/06-Hiralkumar Patel. Spoke to John at Protest. He will call back with more information.07/06/06-Hiralkumar Patel. spoke to Mr. Lasker and asked to send work invoice and test result. Mr. Lasker will call back. spoke to Maria at Protest. she will call back with updates.08/01/06-Hiralkumar Patel. left message for Mr. Lasker. received call from Mr. Lasker. he will call protest and will call back with updates.08/29/06-Hiralkumar Patel. spoke with John. they will be going onsite for repair work in next two weeks. if find any contamination, will remove it and if necessary will take endpoint samples. will send lab analyticals by first week of Oct. 2006.09/25/06-Hiralkumar Patel. spoke with Bob at Protest. he will check and call back. received call from Bob. he found that Protest has done some piping replacement work and he couldn't find test results. he will ask John to call the Department.11/08/06-Hiralkumar Patel. left message for John at Protest.11/17/06-Hiralkumar Patel. received letter and tank test result from Ted from Protest. as per Ted, leak was at remote fill above grade. they have relocate the remote fill and replaced some aboveground pipings.no PBS record. spoke with Mr. Lasker. this building has been sold out in Aug. 06 and has new management. Mr. Lasker has new management company's information in office and will fax this information. sent fax to Mr. Lasker requesting new management's information and asked him to

APARTMENT BUILDING (Continued) **S107789096**

contact DEC Falvey.sent email to DEC Falvey with Mr. Lasker's contact number and detail about tank and site. Mr. Falvey will contact new management about tank registration.based on available documents, case closed.11/20/06-Hiralkumar Patel. received fax from Mr. Lasker. as per Mr. Lasker, tank is registered. new management is:Mag Realty Corp475 Washington AVenueBrooklyn, NY 11238Ph. (718) 622-6157Fax (718) 789-3500Contact: Mitch Asherspoke with Mr. Asher. he doesn't know about registration. he will check and will do registration if not registered. Mr. Asher asked to send application form.

Remarks: Tank test failure.

Material:

Site ID:	362170
Operable Unit ID:	1120272
Operable Unit:	01
Material ID:	2109768
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	362170
Spill Tank Test:	1549872
Tank Number:	1
Tank Size:	4000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	4/6/2006
Test Method:	Horner EZ Check I or II

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219 North 1/4-1/2 0.393 mi. 2077 ft.

Relative: Lower

Actual: 15 ft.

IN FRONT OF 214 KENT AVENUE BROOKLYN, NY

NY MANIFEST **S102240470**
NY Spills **N/A**
NY SPDES
NY AIRS
NY MOSF
NY CBS

NY MANIFEST:

EPA ID:	NYD986931624
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported

IN FRONT OF (Continued) **S102240470**

Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-10-07
Trans1 Recv Date:	2011-10-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-10-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986931624
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	6.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142928FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-10-07
Trans1 Recv Date:	2011-10-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-10-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986931624
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	58.0
Units:	P - Pounds

IN FRONT OF (Continued) **S102240470**

Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142928FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

SPILLS:

Facility ID:	9606882
DER Facility ID:	58320
Facility Type:	ER
Site ID:	97054
DEC Region:	2
Spill Date:	8/29/1996
Spill Number/Closed Date:	9606882 / 12/12/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	8/29/1996
CID:	349
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/29/1996
Spill Record Last Update:	12/12/2005
Spiller Name:	TIM SOILCH
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Update 12/12/05Original report stated that spill was caused by a loose flange on fitting; spill was onto blacktop only; cleanup was expected to be completed by 2:00 PM the same day.No evidence of spill was seen during inspection on 11/17/04. (SKA)
Remarks:	loose flange on fitting - blacktop only - to be completely cleaned up

IN FRONT OF (Continued) **S102240470**

by 14:00

Material:

Site ID:	97054
Operable Unit ID:	1034692
Operable Unit:	01
Material ID:	346151
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9604977
DER Facility ID:	58320
Facility Type:	ER
Site ID:	304350
DEC Region:	2
Spill Date:	7/15/1996
Spill Number/Closed Date:	9604977 / 7/10/2003
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	7/17/1996
CID:	257
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/17/1996
Spill Record Last Update:	7/10/2003
Spiller Name:	Not reported
Spiller Company:	PAINT FACTORY
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	LISA PRIMEGGIA
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Sees spill # 9910798.
Remarks:	soil samples were taken and the above were in the sample caller beliaves it is coming from the paint factory next door

IN FRONT OF (Continued) **S102240470**

Material:

Site ID:	304350
Operable Unit ID:	1032542
Operable Unit:	01
Material ID:	347733
Material Code:	0017A
Material Name:	PCB OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	304350
Operable Unit ID:	1032542
Operable Unit:	01
Material ID:	347736
Material Code:	0041B
Material Name:	TOLUOL
Case No.:	00108883
Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	304350
Operable Unit ID:	1032542
Operable Unit:	01
Material ID:	347734
Material Code:	0030A
Material Name:	LEAD
Case No.:	07439921
Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0103037
DER Facility ID:	58320
Facility Type:	ER
Site ID:	304349
DEC Region:	2
Spill Date:	6/19/2001
Spill Number/Closed Date:	0103037 / 6/20/2001
Spill Cause:	Abandoned Drums
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	KMFOLEY

IN FRONT OF (Continued) **S102240470**

Referred To:	Not reported
Reported to Dept:	6/19/2001
CID:	389
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/19/2001
Spill Record Last Update:	11/25/2002
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"DEC INSPECTOR'S NOTES6-19-01Update from ERT Mike Kessler: FYN paint is moving drums inside their property. Spoke with Dan Buzea. He stated that drums are being moved inside by FYN Paint- Analysis is back, he will fax. Ioana & Shaminder have been working with him.6-20-01Checked to see if drums were removed, drums were not on street.
Remarks:	CALLER REPORTING FINDING 10 (55 GAL) DRUMS ABANDON NEXT TO CON ED 2 OF THE DRUMS ARE MARKED MONTORING WELL 1,4,6 AND 2 DRUMS LABELED RIVER ST NON-HAZARDOUS WASTE AND THE REMAINING 6 ARE UNLABELED NO SPILLAGE

Material:

Site ID:	304349
Operable Unit ID:	841726
Operable Unit:	01
Material ID:	535135
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	550
Units:	Gallons
Recovered:	550
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9901816
DER Facility ID:	58320
Facility Type:	ER
Site ID:	304353
DEC Region:	2
Spill Date:	5/17/1999

IN FRONT OF (Continued) **S102240470**

Spill Number/Closed Date:	9901816 / 2/9/2004
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS:	2401
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	5/17/1999
CID:	257
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/17/1999
Spill Record Last Update:	2/9/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	MR SNAGGS
Contact Phone:	(718) 384-4034
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"2/9/04 TJDSpill Originally assigned to Engelhardt. Due to the nature of event, 5yr old street spill, no further action is required. Spill closed.
Remarks:	LOOKS LIKE A PASSING TRUCK LEAKED HYDRO OIL IN STREET

Material:

Site ID:	304353
Operable Unit ID:	1080576
Operable Unit:	01
Material ID:	305344
Material Code:	0010
Material Name:	Hydraulic Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9700566
DER Facility ID:	96356
Facility Type:	ER
Site ID:	109895
DEC Region:	2
Spill Date:	4/12/1997

IN FRONT OF (Continued) **S102240470**

Spill Number/Closed Date:	9700566 / 4/17/1997
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	4/12/1997
CID:	322
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/12/1997
Spill Record Last Update:	10/19/1998
Spiller Name:	MIKE CESARE
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Contact Name:	MIKE CESARE
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"4/15/97: PERFORMED MOSF INSPECTION. OIL HAD BEEN CLEANED UP FROM STATION FLOOR.
Remarks:	LEAKING SEAL ON OIL PUMP - SPILL CONTAINED IN MOAT AND CLEANED UP

Material:

Site ID:	109895
Operable Unit ID:	1043310
Operable Unit:	01
Material ID:	337160
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	20
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

SPDES:

Permit Number:	NY0200999
State-Region:	02

IN FRONT OF (Continued) **S102240470**

Expiration Date:	10/31/2011
Current Major Minor Status:	Minor
Primary Facility SIC Code:	5171
State Water Body Name:	EAST R
Limit Set Status Flag:	Active
Total Actual Average Flow(MGD):	Not reported
Total App Design Flow(MGD):	Not reported
UDF1:	EDT
Lat/Long:	40.717778 / -73.965917
DMR Cognizant Official:	YI-CHANG SHAO
UDF2:	001702
UDF3:	I
FIPS County Code:	NY047
Non-Gov Permit Affiliation Type Desc:	DMR Mailing Address
Non-Gov Permit Org Formal Name:	CONSOLIDATED EDISON CHEM LAB
Non-Gov Permit Street Address:	NORTH 1ST ST FUEL OIL TERMINAL
Non-Gov Permit Supplemental Location:	4 IRVING PLACE, ROOM 1325
Non-Gov Permit City:	NEW YORK
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	10003
Non-Gov Facility Affiliation Type Desc:	Owner
Non-Gov Facility Org Formal Name:	CONSOLIDATED EDISON CO OF NY
Non-Gov Facility Street Address:	NORTH 1ST ST FUEL OIL TERMINAL
Non-Gov Facility Supplemental Location:	4 IRVING PLACE, ROOM 300
Non-Gov Facility City:	NEW YORK
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	10003
State Water Body:	02030201010
UDF2:	001702
UDF3:	I
FIPS County Code:	NY047
Non-Gov Permit Affiliation Type Desc:	Permittee
Non-Gov Permit Org Formal Name:	CONSOLIDATED EDISON OF NY
Non-Gov Permit Street Address:	4 IRVING PLACE
Non-Gov Permit Supplemental Location:	RM 300
Non-Gov Permit City:	NEW YORK
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	10003
Non-Gov Facility Affiliation Type Desc:	Mailing Address
Non-Gov Facility Org Formal Name:	CONSOLIDATED EDISON CO OF NY
Non-Gov Facility Street Address:	NORTH 1ST ST FUEL OIL TERMINAL
Non-Gov Facility Supplemental Location:	4 IRVING PLACE ROOM 1445-S
Non-Gov Facility City:	NEW YORK
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	10003
State Water Body:	02030201010
UDF2:	001702
UDF3:	I
FIPS County Code:	NY047
Non-Gov Permit Affiliation Type Desc:	Permittee
Non-Gov Permit Org Formal Name:	CONSOLIDATED EDISON OF NY
Non-Gov Permit Street Address:	4 IRVING PLACE

IN FRONT OF (Continued) **S102240470**

Non-Gov Permit Supplemental Location:	RM 300
Non-Gov Permit City:	NEW YORK
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	10003
Non-Gov Facility Affiliation Type Desc:	Owner
Non-Gov Facility Org Formal Name:	CONSOLIDATED EDISON CO OF NY
Non-Gov Facility Street Address:	NORTH 1ST ST FUEL OIL TERMINAL
Non-Gov Facility Supplemental Location:	4 IRVING PLACE, ROOM 300
Non-Gov Facility City:	NEW YORK
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	10003
State Water Body:	02030201010
UDF2:	001702
UDF3:	I
FIPS County Code:	NY047
Non-Gov Permit Affiliation Type Desc:	DMR Mailing Address
Non-Gov Permit Org Formal Name:	CONSOLIDATED EDISON CHEM LAB
Non-Gov Permit Street Address:	NORTH 1ST ST FUEL OIL TERMINAL
Non-Gov Permit Supplemental Location:	4 IRVING PLACE, ROOM 1325
Non-Gov Permit City:	NEW YORK
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	10003
Non-Gov Facility Affiliation Type Desc:	Mailing Address
Non-Gov Facility Org Formal Name:	CONSOLIDATED EDISON CO OF NY
Non-Gov Facility Street Address:	NORTH 1ST ST FUEL OIL TERMINAL
Non-Gov Facility Supplemental Location:	4 IRVING PLACE ROOM 1445-S
Non-Gov Facility City:	NEW YORK
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	10003
State Water Body:	02030201010

AIRS:

Permit Type:	Air Title V Facility
Permit Status:	Issued
Issue Date:	01/11/2008
Expiration Date:	01/10/2013
County Fips:	Not reported
DEC Id:	2610100187
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Permit Type:	Air Title V Facility
Permit Status:	Issued
Issue Date:	01/11/2008
Expiration Date:	01/10/2013
County Fips:	Not reported
DEC Id:	2610100187
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported

IN FRONT OF (Continued) **S102240470**

Contol Eff: Not reported
Emissions: Not reported
Unit: Not reported

MOSF:
Facility ID: 2-1480
Program Type: MOSF
Tank Status: Inactive
Expiration Date: N/A
Dec Region: 2
UTMX: 587402.67457999
UTMY: 4507903.6514699

CBS:
CBS Number: 2-000330
Program Type: CBS
Facility Status: Unregulated
Expiration Date: N/A
Dec Region: 2
UTMX: 588501.87239000
UTMY: 4509432.2334899

BA220 **274 SOUTH 2ND ST** **NY LTANKS** **S102662645**
East **274 SOUTH 2ND ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.400 mi.
2114 ft. **Site 2 of 4 in cluster BA**

Relative:
Lower

Actual:
34 ft.

LTANKS:
Site ID: 280545
Spill Number/Closed Date: 9607724 / 10/29/1996
Spill Date: 9/19/1996
Spill Cause: Tank Overfill
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 2401
Investigator: LUCE
Referred To: Not reported
Reported to Dept: 9/19/1996
CID: 297
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 9/19/1996
Spill Record Last Update: 11/19/1996
Spiller Name: TONY CARUCCI
Spiller Company: AJ LIBERTY PARK OIL CO
Spiller Address: 67-70 73RD PLACE
Spiller City,St,Zip: MIDDLE VILLAGE, NY 11379-
Spiller County: 001
Spiller Contact: TONY CARUCCI

274 SOUTH 2ND ST (Continued) **S102662645**

Spiller Phone:	(718) 894-9218
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	227791
DEC Memo:	Not reported
Remarks:	DRIVER OVERFILLED THE OIL TANK - ABSORBANTS ARE BEING APPLIED TO THE SPILL

Material:

Site ID:	280545
Operable Unit ID:	1035842
Operable Unit:	01
Material ID:	346985
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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221 ENE 1/4-1/2 0.402 mi. 2124 ft. | **METROPOLITAIN AVE AND ROEBLING ST BROOKLYN, NY** | **NY LTANKS** | **S103038509 N/A**

Relative: Lower

Actual: 26 ft.

LTANKS:

Site ID:	299218
Spill Number/Closed Date:	9713408 / 3/4/1998
Spill Date:	3/3/1998
Spill Cause:	Tank Overfill
Spill Source:	Passenger Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	KGHALE
Referred To:	Not reported
Reported to Dept:	3/3/1998
CID:	371
Water Affected:	Not reported
Spill Notifier:	Fire Department
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/3/1998
Spill Record Last Update:	3/5/1998
Spiller Name:	Not reported
Spiller Company:	UNKNOWN

METROPOLITAIN AVE AND (Continued) **S103038509**

Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	242090
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "HALE"
Remarks:	someone overfilled their cars gas tank - cleanup in progress

Material:

Site ID:	299218
Operable Unit ID:	1056267
Operable Unit:	01
Material ID:	324426
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

BA222 **273 SOUTH SECOND STREET** **NY LTANKS** **S102959974**
East **273 SOUTH SECOND STREET** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.403 mi.
2126 ft. **Site 3 of 4 in cluster BA**

Relative:
Lower

Actual:
34 ft.

LTANKS:

Site ID:	276183
Spill Number/Closed Date:	9712027 / 4/4/2005
Spill Date:	1/20/1998
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	1/28/1998
CID:	204
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0

273 SOUTH SECOND STREET (Continued) **S102959974**

Date Entered In Computer:	1/28/1998
Spill Record Last Update:	4/4/2005
Spiller Name:	MR STIMETZ
Spiller Company:	273 SOUTH SECOND STREET
Spiller Address:	273 SOUTH SECOND STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	JOHN LEDDY
Spiller Phone:	(516) 321-4670
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	224543
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"NO PBS.3/11/03 - SAMUEL- File available in active unassigned spill files.3/3/05 - Austin - Reassigned to Rahman04/04/05-SR//No Further Action was issued on 03/24/1999 by Christopher P. Tomasello. Records are in the file.
Remarks:	TANK TEST FAILURE

Material:

Site ID:	276183
Operable Unit ID:	1054698
Operable Unit:	01
Material ID:	326658
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

BA223 **APARTMENT BLDG** **NY LTANKS** **S103274791**
East **278 SOUTH 2ND ST** **NY Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.408 mi.
2154 ft. **Site 4 of 4 in cluster BA**

Relative:
Lower

Actual:
33 ft.

LTANKS:

Site ID:	362171
Spill Number/Closed Date:	0600215 / 11/17/2006
Spill Date:	4/6/2006
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	4/6/2006

APARTMENT BLDG (Continued) **S103274791**

CID:	406
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/6/2006
Spill Record Last Update:	11/20/2006
Spiller Name:	CHUCK MERRITT
Spiller Company:	APARTMENT BUILDING
Spiller Address:	278 SOUTH 2ND ST
Spiller City,St,Zip:	BROOKLYN, NY 11201
Spiller County:	001
Spiller Contact:	CHUCK MERRITT
Spiller Phone:	(718) 767-7997
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	312409
DEC Memo:	04/07/06-Hiralkumar Patel. Spoke with Jim at Protest and he found that tank was leaking. this is 4000 gal AST vaulted in Concrete. haven't heard after tank test. Left message for Chuck Merritt at Merritt Engineering.04/17/06-Hiralkumar Patel. Left message for Ms. Marian at Merritt Engineering. Received call from Maryann Wagh from Merritt Engineering. she gave me following information about owner of property:Super REalty LLCMr. Abe Lasker(917) 753-8996. Left message for Chuck at Merritt as Maryann doesn't have latest information on case.Spoke with Abe Lasker at Super Realty. as per Mr. Lasker, somebody did work at site on Thursday to find out leakage. he doesn't know who did it. He is the Manager of property and his address is:Abe LaskerSuper Realty LLCPO Box 110525Brooklyn, NY 11211Ph. (917) 753-8996FAX (718) 336-8983Received call from Chuck (FAX: 718-767-7996) from Merritt Engineering. as per him, Protest did isolation test and found leakage in pipings.Spoke with John at Pro Test. these are two different buildings and as per him, he found leakage in Vent pipe and remote fill. one building has vent pipe only leakage and another has vent pipe and remote fill. he doesn't know which one has what problem, so he will fax me that information with copies of test results. he still waiting to get approval for repair work. 05/11/06-Hiralkumar Patel. Left message for Jim at Protest. Received message from Jim. they haven't heard from owner yet. left message from Mr. Merritt.06/02/06-Hiralkumar Patel. Spoke to John at Protest. He will call back with more information.07/06/06-Hiralkumar Patel. spoke to Mr. Lasker and asked to send work invoice and test result. Mr. Lasker will call back. spoke to Maria at Protest. she will call back with updates.08/01/06-Hiralkumar Patel. left message for Mr. Lasker. received call from Mr. Lasker. he will call protest and will call back with updates.08/29/06-Hiralkumar Patel. spoke with John at protest. they will be going onsite for repair work in next two weeks. if find any contamination, will remove it and if necessary will take endpoint samples. will send lab analyticals by first week of Oct. 2006.09/25/06-Hiralkumar Patel. spoke with Bob at Protest. he will check and call back. received call from Bob. he found that Protest has done some piping replacement work and he couldn't find test results. he will ask John to call the Department.11/08/06-Hiralkumar Patel. left message for John at Protest.11/17/06-Hiralkumar Patel. received letter and tank test

APARTMENT BLDG (Continued) **S103274791**

result from Ted from Protest. as per Ted, leak was at vent pipe. they have replaced leaking vent pipe portion.no PBS record. spoke with Mr. Lasker. this building has been sold out in Aug. 06 and has new management. Mr. Lasker has new management company's information in office and will fax this information. sent fax to Mr. Lasker requesting new management's information and asked him to contact DEC Falvey.sent email to DEC Falvey with Mr. Lasker's contact number and detail about tank and site. Mr. Falvey will contact new management about tank registration.based on available documents, case closed.11/20/06-Hiralkumar Patel. received fax from Mr. Lasker. as per Mr. Lasker, tank is registered. new management is:Mag Realty Corp475 Washington AVenueBrooklyn, NY 11238Ph. (718) 622-6157Fax (718) 789-3500Contact: Mitch Asherspoke with Mr. Asher. he doesn't know about registration. he will check and will do registration if not registered. Mr. Asher asked to send application form.

Remarks: Tank test failure.

Material:

Site ID:	362171
Operable Unit ID:	1120273
Operable Unit:	01
Material ID:	2109769
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	362171
Spill Tank Test:	1549873
Tank Number:	1
Tank Size:	4000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	4/6/2006
Test Method:	Horner EZ Check I or II

SPILLS:

Facility ID:	9802594
DER Facility ID:	312409
Facility Type:	ER
Site ID:	119390
DEC Region:	2
Spill Date:	5/29/1998
Spill Number/Closed Date:	9802594 / 5/29/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

APARTMENT BLDG (Continued) **S103274791**

SWIS:	2401
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	5/29/1998
CID:	270
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/29/1998
Spill Record Last Update:	6/1/1998
Spiller Name:	UNKNOWN
Spiller Company:	APARTMENT BLDG
Spiller Address:	278 SO 2ND ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	UNKNOWN
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	BROKEN FUEL GUAGE CAUSED SPILL

Material:

Site ID:	119390
Operable Unit ID:	1060544
Operable Unit:	01
Material ID:	320921
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	8
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

224
South
1/4-1/2
0.411 mi.
2169 ft.

INDEPENDENCE TOWERS
130 CLYMER STREET
BROOKLYN, NY

NY LTANKS **S104073512**
NY Spills **N/A**

Relative:
Higher

Actual:
50 ft.

LTANKS:

Site ID:	338269
Spill Number/Closed Date:	0412712 / 3/7/2005
Spill Date:	3/4/2005
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported

INDEPENDENCE TOWERS (Continued) **S104073512**

Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	3/4/2005
CID:	444
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/4/2005
Spill Record Last Update:	3/7/2005
Spiller Name:	KEVIN DARBY
Spiller Company:	INDEPENDENCE TOWERS
Spiller Address:	130 CLIMER STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	KEVIN DARBY
Spiller Phone:	(718) 384-7777
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	247446
DEC Memo:	According to Charles McInnis of NYCHA, broken gauge on tank has been repaired and NYCHA staff has cleaned up spill. Oil got into sump, but sump wasn't on, so no oil was discharged to NYC sewer system. NYCHA staff vacuumed out the sump and hosed it down with biosolve.OK to close. - J. Kolleeny 3/7/05
Remarks:	BROKEN PRESSURE GAUGE ON THE TANK: HAS BEEN REPAIRED, CLEAN UP IN PROGRESS AT THIS TIME:

Material:

Site ID:	338269
Operable Unit ID:	1100220
Operable Unit:	01
Material ID:	580469
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	140826
Spill Number/Closed Date:	9500365 / 6/19/1995
Spill Date:	4/10/1995
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other

INDEPENDENCE TOWERS (Continued) **S104073512**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	6/19/1995
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	4/10/1995
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/10/1995
Spill Record Last Update:	12/14/2005
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	247446
DEC Memo:	Not reported
Remarks:	TANK #1 - UNABLE TO MAINTAIN LEVEL. SEE SPILL #9503391.

Material:

Site ID:	140826
Operable Unit ID:	1011123
Operable Unit:	01
Material ID:	368984
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	140826
Spill Tank Test:	1543729
Tank Number:	001
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

INDEPENDENCE TOWERS (Continued) **S104073512**

Site ID:	306370
Spill Number/Closed Date:	9503391 / Not Reported
Spill Date:	6/19/1995
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	jkkann
Referred To:	WP RCVD ON 10/5/10
Reported to Dept:	6/19/1995
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	6/19/1995
Spill Record Last Update:	5/29/2012
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	247446
DEC Memo:	12/14/05: This spill transferred from J.Kolleeny to S.Kraszewski.03/23/06: This spill transferred to K.Tang - SK12/10/07: J.Kann - spill reassigned to J.Kann. Spill 9803323 was closed and consolidated with this spill.10/14/10: J.Kann - Investigative Work Plan received on 10/5/10.05/29/12: J.Kann - priority P0 assigned to site
Remarks:	TANK #1

Material:

Site ID:	306370
Operable Unit ID:	1014625
Operable Unit:	01
Material ID:	368443
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

INDEPENDENCE TOWERS (Continued) **S104073512**

Site ID:	306370
Spill Tank Test:	1543931
Tank Number:	001
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	306369
Spill Number/Closed Date:	9315458 / 4/20/1995
Spill Date:	10/4/1991
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	4/20/1995
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	3/30/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/5/1994
Spill Record Last Update:	6/23/1995
Spiller Name:	Not reported
Spiller Company:	NYCHA - JOE MONTELLA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	247446
DEC Memo:	Not reported
Remarks:	LEAK RATE OF 0.06 GPH - REPORTED AS PASSED BY TESTER. SEE SPILL # 9503391

Material:

Site ID:	306369
Operable Unit ID:	993564
Operable Unit:	01
Material ID:	387210
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum

INDEPENDENCE TOWERS (Continued) **S104073512**

Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	306369
Spill Tank Test:	1542563
Tank Number:	001
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	306371
Spill Number/Closed Date:	9601867 / 12/11/2007
Spill Date:	5/7/1996
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	jkkann
Referred To:	CONSOLIDATED WITH 9503391
Reported to Dept:	5/7/1996
CID:	282
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	5/7/1996
Spill Record Last Update:	12/11/2007
Spiller Name:	FRANK OCELLO
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	250 BROADWAY
Spiller City,St,Zip:	MAHATTAN, NY
Spiller County:	001
Spiller Contact:	MR DISANTO
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	247446
DEC Memo:	12/14/05: This spill transferred from J.Kolleeny to S.Kraszewski.03/23/06: This spill transferred to K.Tang - SK
Remarks:	the tank failed the test nothing was spilled.the tank was used fornumber 2 fuel oil.

INDEPENDENCE TOWERS (Continued) **S104073512**

Material:

Site ID:	306371
Operable Unit ID:	1033419
Operable Unit:	01
Material ID:	351667
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	306371
Spill Tank Test:	1544524
Tank Number:	2
Tank Size:	20000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

SPILLS:

Facility ID:	0103963
DER Facility ID:	247446
Facility Type:	ER
Site ID:	306368
DEC Region:	2
Spill Date:	7/13/2001
Spill Number/Closed Date:	0103963 / 3/25/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JMROMMEL
Referred To:	Not reported
Reported to Dept:	7/13/2001
CID:	282
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/13/2001
Spill Record Last Update:	1/21/2005
Spiller Name:	N/A

INDEPENDENCE TOWERS (Continued) **S104073512**

Spiller Company:	RAD OIL VENDOR
Spiller Address:	287 BOMEN AVE
Spiller City,St,Zip:	NEW YORK, NY 10577-
Spiller Company:	001
Contact Name:	FRANK INOA
Contact Phone:	(718) 707-5718
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"ACCORDING TO NYCHA, DURING DELIVERY BY RAD OIL'S SUBCONTRACTOR, MODEL TRUCKING, ABOUT 20 GALLONS SPILLED FROM HOSE WHEN DISCONNECTING DUE TO DEFECTIVE OVER-FILL PROTECTOR. SPILL CONTAINED TO CONCRETE PAD AREA; CATCH BASIN AND SEWER WERE NOT AFFECTED. SPILL CLEANED UP BY MODEL TRUCKING WITH ABSORBENT MATERIAL.OK TO CLOSE.
Remarks:	While driver was making a delivery a safety valve closed and oil backed up. call complaint.

Material:

Site ID:	306368
Operable Unit ID:	842499
Operable Unit:	01
Material ID:	532471
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	8909465
DER Facility ID:	247446
Facility Type:	ER
Site ID:	281456
DEC Region:	2
Spill Date:	12/31/1989
Spill Number/Closed Date:	8909465 / 8/16/1995
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	12/31/1989
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	8/16/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

INDEPENDENCE TOWERS (Continued) **S104073512**

Remediation Phase:	0
Date Entered In Computer:	1/16/1990
Spill Record Last Update:	12/14/2005
Spiller Name:	Not reported
Spiller Company:	NYCHA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	20K TK-SPLIT SEAM IN TK-NOTIFIED EMERGENCY SERVICES & FIELD SUPER. 5 AM 12/30/89 OFF LINE-103" ON STICK, 12/31/89 - 101" IN TK = 175 GALS. UPDATE: SITE INVESTIGATION FOUND NO CONTAMINATION.

Material:

Site ID:	281456
Operable Unit ID:	934388
Operable Unit:	01
Material ID:	442631
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	281456
Spill Tank Test:	1536626
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Facility ID:	0210637
DER Facility ID:	247446
Facility Type:	ER
Site ID:	281455
DEC Region:	2
Spill Date:	1/23/2003
Spill Number/Closed Date:	0210637 / 11/4/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SWKRASZE
Referred To:	Not reported
Reported to Dept:	1/23/2003

INDEPENDENCE TOWERS (Continued) **S104073512**

CID:	257
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/23/2003
Spill Record Last Update:	11/4/2005
Spiller Name:	MARIO MANDALONE
Spiller Company:	INDEPENDENCE HOUSES
Spiller Address:	130 CLYMER ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	MARIO MANDALONE
Contact Phone:	(718) 707-7839
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"Rommel DO 1/23/03Spoke to Steve Sacaccio and Mario Mandalone from the Housing Authority. Vertical check pipe from sump to sewer is clean, no evidenc of oil. Oil found in 4' by 4' sump pit (about 9"), estimated at 90 gallons. NYCHA's vac truck is on-site; speedy dry applied and being collected into drums. Mario cell phone #: 917-923-5659, pager 917-641-8003; Steve Saccacio: 718-707-5722 (office). 11/04/05: This spill transferred from J.Kolleeny to S.Kraszewski.
Remarks:	About 1 gal from a gauge spilled and did get into a floor drain.

Material:

Site ID:	281455
Operable Unit ID:	863986
Operable Unit:	01
Material ID:	514018
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9611892
DER Facility ID:	247446
Facility Type:	ER
Site ID:	281457
DEC Region:	2
Spill Date:	1/2/1997
Spill Number/Closed Date:	9611892 / 1/6/1997
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

INDEPENDENCE TOWERS (Continued) **S104073512**

	Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1/2/1997
CID:	351
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/2/1997
Spill Record Last Update:	12/14/2005
Spiller Name:	FRANK OCELLO
Spiller Company:	NYC HOUSING
Spiller Address:	250 BROADWAY
Spiller City,St,Zip:	MANHATTAN, ZZ
Spiller Company:	001
Contact Name:	GLENN SROUR
Contact Phone:	(212) 306-3233
DEC Memo:	Not reported
Remarks:	OIL LINE LEADING TO BURNER FAILED SPILLING OIL TO FLOOR - OIL MIXED WITH WATER WHICH WAS ALSO IN CELLAR - CLEAN UP CREW ENROUTE

Material:

Site ID:	281457
Operable Unit ID:	1043244
Operable Unit:	01
Material ID:	340539
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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225 North 1/4-1/2 0.421 mi. 2221 ft. **V. M. TRANSFER; LTD.(CARDELLA)** **NY SWF/LF** **S104880840**
175 KENT AVE **NY Spills** **N/A**
BROOKLYN, NY 11211

Relative: Lower

Actual: 13 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	5162863322
Owner Name:	Not reported
Owner Type:	Not reported

V. M. TRANSFER; LTD.(CARDELLA) (Continued) **S104880840**

Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	VINCENT MORIBITO; OWNER
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - permit
Activity Number:	[24T64]
Active:	No
East Coordinate:	587400
North Coordinate:	4508000
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	2-6101-00066
Authorization Date:	Not reported
Expiration Date:	Not reported

SPILLS:

Facility ID:	0009981
DER Facility ID:	201491
Facility Type:	ER
Site ID:	245280
DEC Region:	2
Spill Date:	12/4/2000
Spill Number/Closed Date:	0009981 / 12/4/2000
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	12/4/2000
CID:	281
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/4/2000
Spill Record Last Update:	12/15/2000
Spiller Name:	UNKNOWN
Spiller Company:	ANTHONY CONCRETE
Spiller Address:	175 KENT AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	MARIE WALLIN

V. M. TRANSFER; LTD.(CARDELLA) (Continued) **S104880840**

Contact Phone: (718) 389-0009
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"REFERRED TI MR MITREY FROM THE AIR UNIT AS WELL AS TO DEP DUE TO POSSIBLE RUNOFF FROM CEMENT PLANT INTO SEWER
Remarks: CALLER HAS RECEIVED NUMEROUS COMPLAINTS IN REFERENCE TO CONCRETEAT ABOVE LOCATION. CALLER IS REQUESTING CALL FROM DEC REGIONALOFFICE IN REFERENCE TO SITUATION.

Material:
Site ID: 245280
Operable Unit ID: 830950
Operable Unit: 01
Material ID: 543908
Material Code: 0507A
Material Name: CONCRETE PRODUCTS
Case No.: Not reported
Material FA: Other
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

226
SSW
1/4-1/2
0.437 mi.
2309 ft.

#3 BORING HOLE
500 KENT AVE
BROOKLYN, NY

NY TANKS **S102663001**
NY Spills **N/A**
NY VCP

Relative:
Lower

Actual:
15 ft.

TANKS:
Facility Id: 2-452734
Region: STATE
DEC Region: 2
Site Status: Unregulated
Program Type: PBS
Expiration Date: N/A
UTM X: 587178.38697999995
UTM Y: 4506669.1484700004

SPILLS:
Facility ID: 0604169
DER Facility ID: 109475
Facility Type: ER
Site ID: 367087
DEC Region: 2
Spill Date: 7/14/2006
Spill Number/Closed Date: 0604169 / 1/9/2008
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 2401
Investigator: JHOCONNE
Referred To: Not reported
Reported to Dept: 7/14/2006

#3 BORING HOLE (Continued) **S102663001**

CID:	410
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/14/2006
Spill Record Last Update:	1/9/2008
Spiller Name:	ERTS
Spiller Company:	CON EDISON
Spiller Address:	500 KENT AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Contact Name:	ERTS
Contact Phone:	(212) 580-8383
DEC Memo:	201150. see eDocs12/13/06: Transferred from Breen to O'Connell. Spill submitted for closure by Con Ed. This site was a former Con Ed generating station, and previous investigations (circa 1999 through 2002) have found evidence of metals, SVOCs and VOCs in soil and groundwater, however the site is NOT in any remedial program. See also spill nos. 9910753, 9910993, 9911014 and 9911046. (JHO)12/14/06: spoke with David Rubin, Con Ed Remediation project manager. Apparently the site is undergoing second "Phase II" for property transfer. Con Ed also plans on demolishing the former gen station building. They expect a summary report of investigation with recommendations for remediation from consultant during 1Q07. I told Dave to make sure DEC receives a copy, since we have a number of outstanding spills related to the site. (JHO)1/9/08: This spill is closed, track under spill no. 9911014. (MA)
Remarks:	SPILL WAS ROUGLY 2 GALLONS OF OIL MIXED IN SOIL AT OLD CONED PLANT, NO LONGER IN USE. CON ED NUIMBER 201150:

Material:

Site ID:	367087
Operable Unit ID:	1125011
Operable Unit:	01
Material ID:	2114518
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9702032
DER Facility ID:	109475
Facility Type:	ER

#3 BORING HOLE (Continued) **S102663001**

Site ID:	126690
DEC Region:	2
Spill Date:	5/16/1997
Spill Number/Closed Date:	9702032 / 11/10/2003
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	5/16/1997
CID:	322
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/16/1997
Spill Record Last Update:	11/12/2003
Spiller Name:	TIM SOILCH
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Contact Name:	MR MESTER
Contact Phone:	(718) 834-3858
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"E2MIS 107432R.A.MESTER 01400 11:54 HRS..10:45 OPERATOR M.NASTRI FOUND DIELECTRIC OIL SPILLED ON CONRETE PAD BELOW CUT CABLES FROM THE RETIRED FREQ CHANGER ATKENT AVE. THERE IS NO SIGN OF ANY OIL LEAKING AND THERE IS APPROXIMATELY 1 QUART OF OIL ON THE PAD. HE REPORTED IT TOT.O'CONNOR ENV MANAGER. THE OIL IS CONTAINED AND THERE IS NO THREAT TO THE WATER WAYS. T.O'CONNOR TOOK SAMPLE OF THE OILTO CHECK FOR PCB. AWAITING RESULTS OF SAMPLE.*** Sample deliveried to the Astoria TSL at 1430 hrs; lab id 97-05977******Sample results 6 ppm PCB.***May 19, 1997Vendor, Clean Venture wiped clean oil on concrete and cable box; capped (6) retired and cut feeder cables. Cleanup complete.*** Update entered by T. O'Connor #73275 6/3/97***
Remarks:	SPILL ON CONCRETE - UNK SOURCE BELIEVE ITS COMING FROM CUT CABLESABOVE THE SPILL AREA BUT THEY DO NOT APPEAR TO BE LEAKING AT THISTIME - CLEAN UP PENDING LAB ANALYSIS - 1 QUART ONLY

Material:

Site ID:	126690
Operable Unit ID:	1047975
Operable Unit:	01
Material ID:	334965
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No

#3 BORING HOLE (Continued) **S102663001**

Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0401013
DER Facility ID:	109475
Facility Type:	ER
Site ID:	126689
DEC Region:	2
Spill Date:	4/29/2004
Spill Number/Closed Date:	0401013 / 4/30/2004
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	4/29/2004
CID:	403
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/29/2004
Spill Record Last Update:	4/30/2004
Spiller Name:	ERT DESK
Spiller Company:	Not reported
Spiller Address:	500 KENT AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 153133:At 0820 the Stations Safety Adminstrator, Jim Mathieson, discovered what appeared to be asbestos tape on the sidewalk in front of 500 Kent Avenue. After initial discovery the Station's EHS group contacted asbestos contractors to sample the PACMand clean it up. The cleanup was complete by 12:00 hours.
Remarks:	no sewers or waterways affected. delta environmental is in to clean up the spill.

Material:

Site ID:	126689
Operable Unit ID:	885192
Operable Unit:	01
Material ID:	492239
Material Code:	0026A
Material Name:	ASBESTOS
Case No.:	01332214
Material FA:	Hazardous Material

#3 BORING HOLE (Continued) **S102663001**

Quantity:	1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1113086
DER Facility ID:	109475
Facility Type:	ER
Site ID:	461058
DEC Region:	2
Spill Date:	2/16/2012
Spill Number/Closed Date:	1113086 / 8/23/2012
Spill Cause:	Human Error
Spill Class:	No spill occured. No DEC Response. No corrective action required.
SWIS:	2401
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2/16/2012
CID:	Not reported
Water Affected:	EAST RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/16/2012
Spill Record Last Update:	8/23/2012
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	ERT
Contact Phone:	(212) 580-8383
DEC Memo:	8/23/12 - Austin - This was not a petroleum or haz. substances spill - Con Ed was dismantling a firefighting foam line along the shoreline of this former MOSF site when 1 gal. of water drained out and impacted river Con Ed did not effect cleanup (water into water), but did make provision to assure that no other liquids from this operation impacted the river - See eDocs for further information - Spill closed - end
Remarks:	spill to river, booms in place/NRC 1003144

Material:

Site ID:	461058
Operable Unit ID:	1211156
Operable Unit:	01
Material ID:	2208862
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL

#3 BORING HOLE (Continued) **S102663001**

Case No.:	Not reported
Material FA:	Other
Quantity:	1
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9910753
DER Facility ID:	109475
Facility Type:	ER
Site ID:	126692
DEC Region:	2
Spill Date:	12/9/1999
Spill Number/Closed Date:	9910753 / 1/9/2008
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	12/9/1999
CID:	205
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/9/1999
Spill Record Last Update:	1/9/2008
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"12/9/99: Spoke with Pete Tokarz (Hudson Ave Env. Mgr.) - Drum found while excavating test pit for Phase II investigation. Drum found at about 4 ft below grade. Drum was somewhat porous - some staining on soil and brick/debris. All visible contamiantion was removed, placed on plastic sheeting with drum and covered. Sample taken from drum for oil ID and PCB analysis.(JHO)12/10/99 - voice mail update from Rich Roach, Con Ed CIG: quantity of spill upgraded to 25 gallons. Called Stan Piczszatowski (CE ERT) - this estimate is based on amount of contamianted soil surrounding drum, not free-flowing oil. (JHO)12/14/06: spoke with David Rubin, Con Ed Remediation project manager. Apparently the site is undergoing second "Phase II" for property transfer. Con Ed also plans on demolishing

#3 BORING HOLE (Continued) **S102663001**

Remarks: the former gen station building. They expect a summary report of investigation with recommendations for remediation from consultant during 1Q07. I told Dave to make sure DEC receives a copy, since we have a number of outstanding spills related to the site. (JHO)01/09/08: This spill is closed, track under spill # 9911014.(MA) excavation site encountered contaminated soil. samples. cleanup completed. unknown where the drum is from but was found during the escavation

Material:

Site ID:	126692
Operable Unit ID:	1085519
Operable Unit:	01
Material ID:	296234
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

VCP:

Program Type:	VCP
Site Code:	436486
HW Code:	V00732
Site Class:	A
SWIS:	2401
Region:	2
Town:	New York City
Acres:	2.640
Date Record Added:	06/23/2010
Date Record Updated:	01/08/2013
Updated By:	GWCROSS
Site Description:	Location: The site is located in a mixed-use area of Brroklyn. It is bounded by Kent Ave. to the east, Wallabout Channel to the west, Division Ave. to the north, and the Brooklyn Navy Yard to the south. Site Features: The site is a currently vacant with no above grade structures on it. There is a large pit, used for ash storage in the northwest corner of the site.Current zoning/use. The site is zoned for industrial use, but is currently sitting vacant. It is surrounded by commercial and multiple occupancy residences. Historical Uses: The site was previously an electrical generating station and substation until the late 1990's. The site was razed to the ground from 2007 to 2009. The main sources of contamination are from the ash pit storage area and from by-products of the electrical generating process which are scattered across the site. At this time remedial investigation work has been performed to determing the nature and extent of contamination and an IRM is scheduled to empty and stabilize the ash

#3 BORING HOLE (Continued) **S102663001**

pit. The site was recently added on to Con Edison's multi-site Voluntary Cleanup Agreement and is now being administered out of the central office. Site geology and hydrogeology: The site is underlain by a 5 to 10 foot layer of fill and the far western edge is built out, on piles, over the bank of the Wallabout Channel. Under the fill are intermingled layers of silt and sand down to roughly 100 feet below grade. Beneath the silt and sand is a clay confining unit. Groundwater at the site is roughly 8' and is probably tidally influenced.

Env Problem: Nature and Extent of contamination: The site is impacted by SVOCs, Metals, and PCBs, all by-products of the electrical generating and distribution that occurred on site. The contaminants are distributed across the site. There is also evidence of asbestos in the shallow subsurface. The site is also immediately adjacent to the former Nassau Manufactured Gas Plant and is likely impacted by that site as well. Special Resources Threatened: Given the site's location, adjacent to the Wallabout Channel, it is likely that contaminants have made their way into the channel.

Health Problem: Not reported

227
SSE
1/4-1/2
0.444 mi.
2343 ft.

X
190 WILSON ST
BROOKLYN, NY

NY LTANKS **S106000046**
N/A

Relative:
Higher

Actual:
51 ft.

LTANKS:

Site ID:	161016
Spill Number/Closed Date:	0306837 / 3/27/2008
Spill Date:	9/29/2003
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	rmpiper
Referred To:	Not reported
Reported to Dept:	9/29/2003
CID:	257
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/29/2003
Spill Record Last Update:	3/27/2008
Spiller Name:	MRS PAVEL
Spiller Company:	Not reported
Spiller Address:	190 WILSON ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	MRS PAVEL
Spiller Phone:	(718) 384-7335
Spiller Extention:	Not reported
DEC Region:	2

X (Continued) **S106000046**

DER Facility ID: 135941
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"TTF letter sent.11/25/05- DEC Piper sent out ttf letter to Moses Pavel. 181 Rutledge st., Brooklyn, NY 1121112/16/05- DEC Piper spoke W/ moses Pavel. He will provide documentation.3/27/08- DECP iper performed visit. Tank is aobve ground vaulted w. weep holes. It is 3500 gal and holds #2 oil. PBS info has to be corrected. No signs of a discharge was noted. Closed.
Remarks: will clean and retest - above ground tank

Material:
Site ID: 161016
Operable Unit ID: 875592
Operable Unit: 01
Material ID: 500457
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

228
North
1/4-1/2
0.447 mi.
2359 ft.

JORAL CARTING INC.
157 KENT AVE.
BROOKLYN, NY 12211

NY SWF/LF **S109205024**
NY Spills **N/A**

Relative:
Lower

Actual:
12 ft.

SWF/LF:
Flag: INACTIVE
Region Code: 2
Phone Number: 7186267907
Owner Name: Not reported
Owner Type: Not reported
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: Not reported
Owner Email: Not reported
Owner Phone: Not reported
Contact Name: ANTHONY SPENSIERI; SUPERVISOR
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Email: Not reported
Contact Phone: Not reported
Activity Desc: Transfer station - permit
Activity Number: [24T62]
Active: No
East Coordinate: 587500
North Coordinate: 4508000
Accuracy Code: Not reported

JORAL CARTING INC. (Continued) **S109205024**

Regulatory Status: Not reported
Waste Type: Not reported
Authorization #: 2-6101-00021
Authorization Date: Not reported
Expiration Date: Not reported

SPILLS:

Facility ID:	0802695
DER Facility ID:	348200
Facility Type:	ER
Site ID:	398858
DEC Region:	2
Spill Date:	6/9/2008
Spill Number/Closed Date:	0802695 / Not Reported
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	2401
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	6/9/2008
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	6/9/2008
Spill Record Last Update:	11/3/2011
Spiller Name:	HARDIK PAREKH
Spiller Company:	VACANT LOT
Spiller Address:	157 KENT AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	HARDIK PAREKH
Contact Phone:	(518) 746-4400
DEC Memo:	Sangesland spoke to Hardik Parekh at EEA Inc.He said the site is a vacant lotCSL sent to owner: Joe Matarese, 484 Union Ave, Brooklyn, NY 11211EEA forwarded to DEC a copy of the Phase 2 report (see E-Docs)Case reassigned from Sangesland to Ahmed10/27/11 - Austin - Spill Transferred from Ahmed to Rahman - end
Remarks:	DURING SOIL BORINGS FOUND CONTAMINATED SOIL :

Material:

Site ID:	398858
Operable Unit ID:	1155726
Operable Unit:	01
Material ID:	2146608
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0

JORAL CARTING INC. (Continued) **S109205024**

Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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229 NE 1/4-1/2 0.483 mi. 2550 ft. | **ST VINCENT DE PAUL R C CHURCH** | **NY LTANKS** | **U000412658**
167 N 6TH ST | **NY UST** | **N/A**
BROOKLYN, NY 11211 | **NY HIST UST**

Relative: Lower

Actual: 29 ft.

LTANKS:

Site ID:	177051
Spill Number/Closed Date:	0301163 / 12/21/2005
Spill Date:	5/1/2003
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	JBLISTER
Referred To:	Not reported
Reported to Dept:	5/1/2003
CID:	322
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	5/1/2003
Spill Record Last Update:	1/6/2006
Spiller Name:	FR. KING
Spiller Company:	ST VINCENT DEPAUL CHURCH
Spiller Address:	167 N. 6TH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	FR. KING
Spiller Phone:	(718) 388-4218
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	148793
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"05/02/03 - ROSSAN, DDO - Tank test failure letter was sent 5/2/03Letter was sent to: Fr. King St Vincent De Paul Church 167 N 6th Street Brooklyn, NY 11211 END4/30/2004 SS sent a new ttf ltr12/06/05 called for Father King who I was informed was no longer at the church. Bishop Manuel will call me when he returns. J Lister12/21/05 Spill closed after receiving documentation that tank was retested and passed. J Lister
Remarks:	tank test failure

ST VINCENT DE PAUL R C CHURCH (Continued) **U000412658**

Material:

Site ID:	177051
Operable Unit ID:	867566
Operable Unit:	01
Material ID:	509219
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	177051
Spill Tank Test:	1528335
Tank Number:	001
Tank Size:	5000
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

UST:

Id/Status:	2-400203 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	1997/10/15
UTM X:	588063.03978999995
UTM Y:	4507832.5112300003

Affiliation Records:

Site Id:	19086
Affiliation Type:	Facility Owner
Company Name:	ST VINCENT DE PAUL CHURCH
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	167 N 6TH ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 388-4218
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19086

ST VINCENT DE PAUL R C CHURCH (Continued) **U000412658**

Affiliation Type:	Mail Contact
Company Name:	ST VINCENT DE PAUL CHURCH
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	167 N 6TH ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11211
Country Code:	001
Phone:	(718) 388-4218
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19086
Affiliation Type:	On-Site Operator
Company Name:	ST VINCENT DE PAUL R C CHURCH
Contact Type:	Not reported
Contact Name:	ST.VINCENT DE PAUL CHURCH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-4218
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19086
Affiliation Type:	Emergency Contact
Company Name:	ST VINCENT DE PAUL CHURCH
Contact Type:	Not reported
Contact Name:	ST.VINCENT DE PAUL CHURCH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 388-4218
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	24598
Tank Status:	In Service
Capacity Gallons:	5000
Install Date:	11/01/1967

ST VINCENT DE PAUL R C CHURCH (Continued) **U000412658**

Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	12/27/1987
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

H04 - Tank Leak Detection - Groundwater Well
B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle

HIST UST:

PBS Number:	2-400203
SPDES Number:	Not reported
Emergency Contact:	ST.VINCENT DE PAUL CHURCH
Emergency Telephone:	(718) 388-4218
Operator:	ST.VINCENT DE PAUL CHURCH
Operator Telephone:	(718) 388-4218
Owner Name:	ST VINCENT DE PAUL CHURCH
Owner Address:	167 N 6TH ST
Owner City,St,Zip:	BROOKLYN, NY 11211
Owner Telephone:	(718) 388-4218
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	ST VINCENT DE PAUL CHURCH
Mailing Address:	167 N 6TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	Not reported
Mailing Telephone:	(718) 388-4218
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	167 N 6TH ST
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	SCHOOL
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/10/1992

ST VINCENT DE PAUL R C CHURCH (Continued) **U000412658**

Expiration Date:	10/15/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19671101
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	Groundwater Well
Overfill Prot:	Vent Whistle
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	12/27/1987
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

230
NNE
1/4-1/2
0.487 mi.
2572 ft.

149 KENT AVENUE LLC **FINDS** **1011923119**
149 KENT AVE **NY MANIFEST** **N/A**
BROOKLYN, NY 11211 **NY BROWNFIELDS**

Relative:
Lower

Actual:
16 ft.

FINDS:

Registry ID: 110037432123

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

149 KENT AVENUE LLC (Continued) **1011923119**

HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:

EPA ID:	NYR000160242
Country:	USA
Mailing Name:	149 KENT AVENUE LLC
Mailing Contact:	149 KENT AVENUE LLC
Mailing Address:	202 WYTHE AVE
Mailing Address 2:	202 wythe ave
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11211
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-06
Trans1 Recv Date:	2009-01-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	55.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186568JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412

149 KENT AVENUE LLC (Continued) **1011923119**

Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-05
Trans1 Recv Date:	2009-01-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	8280.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186567JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-06
Trans1 Recv Date:	2009-01-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186568JJK
Import Ind:	N

149 KENT AVENUE LLC (Continued) **1011923119**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-05
Trans1 Recv Date:	2009-01-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	8280.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186567JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-06
Trans1 Recv Date:	2009-01-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-06
Part A Recv Date:	Not reported

149 KENT AVENUE LLC (Continued) **1011923119**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186568JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-06
Trans1 Recv Date:	2009-01-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	55.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186568JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

149 KENT AVENUE LLC (Continued) **1011923119**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-06
Trans1 Recv Date:	2009-01-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186568JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-06
Trans1 Recv Date:	2009-01-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported

149 KENT AVENUE LLC (Continued) **1011923119**

Quantity:	55.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186568JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-06
Trans1 Recv Date:	2009-01-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186568JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

149 KENT AVENUE LLC (Continued) **1011923119**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-05
Trans1 Recv Date:	2009-01-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	8280.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186567JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-06
Trans1 Recv Date:	2009-01-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	55.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0

149 KENT AVENUE LLC (Continued) **1011923119**

Year:	2009
Manifest Tracking Num:	000186568JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000044412
Trans2 State ID:	Not reported
Generator Ship Date:	2009-01-05
Trans1 Recv Date:	2009-01-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-01-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	8280.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000186567JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

BROWNFIELDS:

Program:	BCP
Site Code:	463657
Site Description:	Site Location: The site is located at 149 Kent Avenue in the Williamsburg area of Brooklyn, Kings County. It is along the north side of 5th Street between Kent and Wythe Avenues and is 0.92 acres in size. Site Features: An existing warehouse encompasses the

149 KENT AVENUE LLC (Continued) **1011923119**

property, and the property is currently vacant.Current Zoning/Uses: The current use of the site is commercial, and it is located in an M1-2/R6A mixed use district. The subject property was assigned a NYC E-designation as part of the Greenpoint-Williamsburg Rezoning.Historical Uses: The site operated as a rail terminal for approximately 100 years prior to becoming a warehouse in 1988, with two to three tracks over time. The site has a recently listed large quantity generator ID NYR0001600242, which was related to the disposal of investigation-derived waste. Site Geology/Hydrology: United States Geological Survery reports indicate the depth of the bedrock is expected to be approximately 100 feet below ground surface. Based on local topography, groundwater most likely flows in the west-southwest direction toward the East River, located approximately 500 feet from the subject site.

Env Problem: Nature and Extent of Contamination:a) contaminants - Based upon investigations conducted to date, the primary contaminants of concerns for the site include tetrachloroethylene (PCE), trichloroethylene (TCE), polychlorinated biphenyls (PCBs), lead, and polycyclic aromatic hydrocarbons (PAH). b) areal/depth extent - from the limited investigations performed by AKRF (2008) and Roux (2009) the area and depth of the contamination has not been determined yet.c)concentrations - The PCE concentrations in soil ranged from non-detect to 78,000 ppm; lead ranged from non-detect to 12,000 ppm. The PCE concentration in groundwater ranged from non detect to 72,000 ppb; the PCE concentration in the subslab soil gas was determined to be as high as 95,000 micrograms per cubic meter.

Health Problem: Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

BB231 **NY LTANKS** **S105135025**
NE **179 N 6TH STREET** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.493 mi.
2601 ft. **Site 1 of 2 in cluster BB**

Relative:
Lower

Actual:
25 ft.

LTANKS:

Site ID:	306031
Spill Number/Closed Date:	0104288 / 12/12/2003
Spill Date:	7/23/2001
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	7/23/2001
CID:	207
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/23/2001

(Continued) **S105135025**

Spill Record Last Update:	12/12/2003
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	MARY JANE TREVZEN
Spiller Phone:	(718) 387-2316
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	247190
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"11/28/2001 Tank passed EZY 3 LP test on 9/7/01. jz12/12/03 TJDSpill closed based on above entry.
Remarks:	tank contained #2 fuel oil

Material:

Tank Test:

Site ID:	306031
Spill Tank Test:	1526473
Tank Number:	1
Tank Size:	4000
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

BB232 **MARTIN GURSHON** **NY LTANKS** **U003835965**
NE **179 NORTH 6TH STREET** **NY TANKS** **N/A**
1/4-1/2 **BROOKLYN, NY** **NY HIST UST**
0.493 mi.
2601 ft. **Site 2 of 2 in cluster BB**

Relative:
Lower

Actual:
25 ft.

LTANKS:

Site ID:	414529
Spill Number/Closed Date:	0902485 / 11/20/2009
Spill Date:	6/1/2009
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	6/1/2009
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False

MARTIN GURSHON (Continued) **U003835965**

Remediation Phase:	0
Date Entered In Computer:	6/1/2009
Spill Record Last Update:	11/20/2009
Spiller Name:	Not reported
Spiller Company:	MARTIN GURSHON
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	MARTIN GURSHON
Spiller Phone:	(212) 267-4459
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	363668
DEC Memo:	TTF sent to property manager:Mr. Martin Gurshon233 Broadway - Suite 2704New York, NY 1027911/20/09. J.Krimgold reviewed the letter report submitted by Pro Test Enviro and dated 10/30/09. According to the letter the tank system failed the test due to a leak in the supply and/or return lines. The damaged portions of these line were replaced and the tank system retested and passed. During excavation of piping contaminated soil was encountered. This soil was excavated, drummed and properly disposed of. End point samples show no contaminant above TAGM limits. Case closed.
Remarks:	1518 The caller advised dispatch the tank has failed their test and requested to obtain a spill number. No water ways have been affected. This was just a tank test failure. The owner will be incharge of the fixing of the system. At this time chemicals have spilled. 4000 gallon underground tank.

Material:

Site ID:	414529
Operable Unit ID:	1170913
Operable Unit:	01
Material ID:	2162696
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

TANKS:

Facility Id:	2-606143
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2016/06/28
UTM X:	588102.16813999997
UTM Y:	4507802.9375499999

MARTIN GURSHON (Continued) **U003835965**

HIST UST:

PBS Number:	2-606143
SPDES Number:	Not reported
Emergency Contact:	MARTIN GENSHON
Emergency Telephone:	(212) 267-4459
Operator:	MARY JANE TREVIZAN
Operator Telephone:	(718) 387-2316
Owner Name:	NORTHWEST BKLYN COLATION FOR SENIOR HOUSING,INC
Owner Address:	C/O MARTIN GERSHON, 377 BROADWAY 9TH FL.
Owner City,St,Zip:	NEW YORK, NY 10013
Owner Telephone:	(212) 267-4459
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	NORTHWEST BKLYN. COALITION FOR SENIOR HOUSING, INC
Mailing Address:	377 BROADWAY 9TH FLOOR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10013
Mailing Contact:	MARTIN GENSHON, 9TH FL.
Mailing Telephone:	(212) 267-4459
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	179 NORTH 6TH ST.
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/30/2001
Expiration Date:	06/28/2006
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None

MARTIN GURSHON (Continued) **U003835965**

Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	09/07/2001
Next Test Date:	09/07/2006
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	21
Deleted:	False
Updated:	True
Lat/long:	Not reported

233
SSW
1/2-1
0.508 mi.
2682 ft.

BU-NASSAU BRANCH **EDR MGP** **1008407884**
KENT AVE AND CROSS, DIVISION **N/A**
BROOKLYN, NY 11211

Relative:
Lower

Actual:
12 ft.

Manufactured Gas Plants:
No additional information available

234
ENE
1/2-1
0.611 mi.
3228 ft.

BQE/ANSBACHER COLOR & DYE FACTORY **NY SHWS** **S106780917**
MEEKER AVENUE **N/A**
BROOKLYN, NY

Relative:
Lower

Actual:
15 ft.

SHWS:

Program:	HW
Site Code:	55913
Classification:	DOES NOT PRESENT A SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR THE ENVIRONMENT - ACTION MAY BE DEFERRED.
Region:	2
Acres:	.600
HW Code:	224016
Record Add:	11/18/1999
Record Upd:	01/11/2008
Updated By:	JAAVERSA

Site Description: This site lies underneath the elevated Brooklyn - Queens Expressway (I-278) along Meeker Avenue between Metropolitan and Union Avenues in the Williamsburg Section of Brooklyn. It is believed that during the construction of the BQE, waste material and debris from the former Ansbacher Color & Dye Factory may have been used as fill material in the project area. A Phase II - type investigation was conducted by the New York State Department of Transportation in 1988. The investigation found hazardous levels of arsenic and lead in the soil and elevated levels of arsenic, lead and cyanide in the groundwater. During the reconstruction of the BQE in the early 1990s, the NYSDOT completed an IRM (soil removal) within the project's right-of way.

BQE/ANSBACHER COLOR & DYE FACTORY (Continued) **S106780917**

The remaining contaminated soil is located beneath asphalt and concrete.A Preliminary Site Assessment was completed during the summer of 1999 to evaluate the areas outside the BQE footprint. The sampling results indicate that the subsurface soils within the footprint of the former Ansbacher Plant contain elevated levels of arsenic, lead, and mercury. The groundwater in this area is also contaminated with these metals, but the contaminated groundwater has not migrated significantly beyond the footprint of the former factory.
Not reported

Env Problem: The primary contaminants of concern at this site are arsenic, lead, mercury and cyanide.Investigations indicate that the subsurface soils within the footprint of the former Ansbacher Plant contain elevated levels of arsenic, lead, and mercury. The groundwater in this area is also contaminated with these metals.The site does not constitute a significant threat to the environment as the contaminated soil is covered by existing layers of asphalt and concrete, and the contaminated groundwater has not migrated significantly beyond the footprint of the former factory.

Health Problem: Residual arsenic and lead contamination remain under the BQE and is covered with several layers of concrete and asphalt, thereby preventing direct contact. Contaminated soil also underlies several on-site buildings formerly used by Ansbacher. Groundwater in the area is not used, since public water is available. Off-site sampling of surface soils from residential yards adjacent to the site indicated the presence of metals (particularly arsenic and lead) at concentrations above the range of concentrations typically encountered in urban neighborhoods. However, the exact source of the metals in the soils could not be determined from the data collected. The NYSDOH gave the residents advice on how to minimize their exposure to these surface soil contaminants.

Dump:	False
Structure:	False
Lagoon:	False
Landfill:	True
Pond:	False
Disp Start:	unknown
Disp Term:	unknown
Lat/Long:	40:42:52:0 / 73:57:12:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	ANSBACHER COLOR & DYE FACTORY
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Ansbacher Color & Dye Factory
Owner Address:	Meeker Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11211

BQE/ANSBACHER COLOR & DYE FACTORY (Continued) **S106780917**

Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	B99
Owner Name:	Not reported
Owner Company:	ANSBACHER COLOR & DYE FACTORY
Owner Address:	MEEKER AVENUE
Owner Addr2:	Not reported
Owner City,St,Zip:	BROOKLYN, NY
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	NYS Department of Transportation
Owner Address:	State Campus - Building 5
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12232
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	B99
Owner Name:	Not reported
Owner Company:	NYS Department of Transportation
Owner Address:	STATE CAMPUS, BUILDING 5
Owner Addr2:	Not reported
Owner City,St,Zip:	ALBANY, NY 12232
Owner Country:	United States of America
HW Code:	224016
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224016
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

235
South
1/2-1
0.730 mi.
3852 ft.

KEAP ST. STATION **EDR MGP** **1008407893**
KEAP ST. WYTHE AVE. HOOPER ST. AND KENT AVE **N/A**
BROOKLYN, NY 11211

Relative:
Lower

Actual:
15 ft.

Manufactured Gas Plants:
No additional information available

236
NNE
1/2-1
0.804 mi.
4245 ft.

WYTHE AVE. (BERRY ST.) STATION
WYTHE AVE., BERRY ST., N 12TH AND 13TH ST
BROOKLYN, NY 11211

EDR MGP **1008407903**
N/A

Relative:
Lower

Actual:
17 ft.

Manufactured Gas Plants:
No additional information available

237
NNE
1/2-1
0.812 mi.
4287 ft.

K - WILLIAMSBURG WORKS
KENT AVE & 12TH STREET
BROOKLYN, NY 11211

NY SHWS **S109209078**
N/A

Relative:
Lower

Actual:
11 ft.

SHWS:

Program:	HW
Site Code:	372653
Classification:	ACTIVE
Region:	2
Acres:	4.700
HW Code:	224055
Record Add:	10/27/2006
Record Upd:	08/09/2011
Updated By:	GWCROSS

Site Description: Transition from V00704 and C224055. The Williamsburg Works Manufactured Gas Plant (MGP) site is composed of three parcels of land located on the east bank of the East River in Brooklyn New York in Kings County. The site is located between North 11th and North 12th Streets on the west side of Kent Avenue. A manufactured gas plant operated om the site from at least 1887 to 1916 according to Sanborn Fire Insurance(Sanborn) maps. Current land use includes a document storage warehouse, an inactive petroleum terminal, and one vacant lot which until recently housed a Sanitation Dep't garage.The City of NY has identified this site for construction of a proposed waterfront park, which would extend far beyound site boundaries to the north and south. One parcel (50 Kent Avenue) has already been acquired. An IRM is slated for this parcel in late 2012.

Env Problem: According to the USEPA, a preliminary assessment (PA) was prepared for the site dated September 24, 1986. A copy of the PA was not supplied with the application. The environmental assessment for this site has not yet been completed. The site is the confirmed location of a historic MGP. MGPs have known onsite by products of DNAPL and purifier waste. The materials are made up of BTEX, PAHs, and cyanide. The DNAPL causes contravention of both groundwater and soil SCGs. The site is also adjacent to the East River and several public and private buildings, including residences. DNAPL is known to migrate into surface water bodies, contaminating sediment. The BTEX components are also known to contribute to soil vapor issues. There are already reports of tar seeping into the East River and tar has been found on an adjacent property.

Health Problem: The NYSDOH will evaluate the potential for impacts to public health from exposure to site contaminants once sufficient information from the investigation of the site becomes available for review.

Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported

K - WILLIAMSBURG WORKS (Continued) **S109209078**

Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Not reported
Sub Type:	Not reported
Owner Name:	Not reported
Owner Company:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Country:	Not reported
HW Code:	224055
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224055
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	224028
Cross Ref Type Code:	02
Cross Ref Type:	HW Site ID
Record Added Date:	11/20/2009 3:19:00 PM
Record Updated:	11/20/2009 3:19:00 PM
Updated By:	MOBARRIE

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238 South 1/2-1 0.908 mi. 4794 ft. | **NAVAL STATION-BROOKLYN, TRANSFORMER AREA** | **NY SHWS** | **S105586295**
FLUSHING AVENUE | **NY INST CONTROL** | **N/A**
BROOKLYN, NY 11205

Relative: Lower

Actual: 16 ft.

SHWS:

Program:	HW
Site Code:	55915
Classification:	COMPLETED
Region:	2
Acres:	.500
HW Code:	224018A
Record Add:	11/18/1999
Record Upd:	11/13/2012
Updated By:	BXANDERS

Site Description: Location: Naval Station - Brooklyn is located in a flat industrial area within the New York Naval Shipyard in the Williamsburg section of Brooklyn, north of Flushing Avenue, between Clinton Avenue and Williamsburg Place. Site Features: The East River is 1500 feet west of the site. There are two working electrical substations at the site which have three transformers employing dielectric fluid which formerly contained PCBs. Each of the substations is contained within an area surrounded by concrete walls. They are located in the northern portion of the property, adjacent to the property line. Current Zoning/Use(s): IndustrialHistoric Use(s): A 1987 Phase I investigation showed that the PCB content of the dielectric fluid in

NAVAL STATION-BROOKLYN, TRANSFORMER AREA (Continued) **S105586295**

the transformers ranged from 250 to 590 parts per million (ppm). Transformer spills stained slabs and soil located beneath the transformers, with soil contamination ranging from 0.5 to 870 ppm. The PCB containing transformers were subsequently retro-filled. Remedial work began in the summer of 1994 and concluded in 1995 and included power-washing the transformers and stained slabs and removing hazardous levels of PCB contaminated soils. The areas were then backfilled with crushed stone and secured. Three monitoring wells were installed to determine whether PCBs had contaminated the groundwater beneath the site at Building 7. Three rounds of groundwater samples collected in September 1996, December 1996, and March 1997, showed no detectable concentrations of PCBs. It was determined that further monitoring at this site was not warranted. In July 2012 NYSDEC placed an Environmental Notice on the Transformer Area which requires written approval from NYSDEC prior to any disturbance or excavation of the soil, proper management and/or disposal of any contaminated materials exposed or removed, and prior approval by NYSDEC for any change in use. The Transformer Area has been delisted from the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete, to extent that the Navy was able to work around the active transformers. The primary contaminants of concern at the site, PCB's, were addressed by the removal action completed in 1995. Due to the location in a walled transformer yard beneath the crushed stone site cover, and the limited amounts remaining in the soil, residual PCB contamination in the soils will not impact the East River. Three rounds of groundwater samples were non-detect for PCBs. Special Resources Impacted/ Threatened: None
Health Problem:	Since some contaminated soils remain at the site below concrete or clean backfill, people will not come in contact with contaminated soils unless they dig below the surface materials. In addition, the site is fenced, which restricts public access.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	unknown
Disp Term:	1994
Lat/Long:	40:41:57:0 / 73:57:59:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	12/23/2004 9:05:00 AM
Updated By:	JMOCONNE
Own Op:	Disp. Owner
Sub Type:	D
Owner Name:	Nina Johnson
Owner Company:	Department of the Navy
Owner Address:	Naval Facilities Engineering Command
Owner Addr2:	9742 Maryland Ave.
Owner City,St,Zip:	Norfolk, VA 23511-3095
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	05
Owner Name:	Francis A. Decoteau
Owner Company:	The City of New York

NAVAL STATION-BROOKLYN, TRANSFORMER AREA (Continued) **S105586295**

Owner Address: City Hall
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10007
Owner Country: United States of America
HW Code: 224018A
Waste Type: PCB-AROCLOR 1260
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: Not reported
Cross Ref Type: Not reported
Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

INST CONTROL:
Site Code: 55915
Control Name: Landuse Restriction
HW Code: 224018A
Control Code: 25
Control Type: INST
Dt record added: 06/22/2011
Dt rec updated: 10/17/2011
Updated By: JBSWARTO
Site Code: 55915
Site Description: Location: Naval Station - Brooklyn is located in a flat industrial area within the New York Naval Shipyard in the Williamsburg section of Brooklyn, north of Flushing Avenue, between Clinton Avenue and Williamsburg Place.
Site Features: The East River is 1500 feet west of the site. There a re two working electrical substations at the site which have three transformers employing dielectric fluid which formerly contained PCBs. Each of the substations is contained within an area surrounded by concrete walls. They are located in the northern portion of the property, adjacent to the property line.
Current Zoning/Use(s): Industrial Historic Use(s): A 1987 Phase I i nvestigation showed that the PCB content of the dielectric fluid in the transformers ranged from 250 to 590 parts per million (ppm). Transformer spills stained slabs and soil located beneath the transformers, with soil contamination ranging from 0.5 to 870 ppm. The PCB containing transformers were subsequently retro-filled. Remedial work began in the summer of 1994 and concluded in 1995 and included power-washing the transformers and stained slabs and removing hazardous levels of PCB contaminated soils. The areas were then backfilled with crushed stone and secured. Three monitoring wells were installed to determine whether PCBs had contaminated the groundwater beneath the site at Building 7. Three rounds of groundwater samples collected in September 1996, December 1996, and March 1997, showed no detectable concentrations of PCBs. It was determined that further monitoring at this site was not warranted. In July 2012 NYSDEC placed an Environmental Notice on the Transformer Area which requires written approval from NYSDEC prior to any disturbance or excavation of the soil, proper management and/or disposal of any contaminated materials exposed or removed, and prior approval by NYSDEC for any change in use. The Transformer Area has been delisted from the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

NAVAL STATION-BROOKLYN, TRANSFORMER AREA (Continued) **S105586295**

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete, to extent that the Navy was able to work around the active transformers. The primary contaminants of concern at the site, PCB's, were addressed by the removal action completed in 1995. Due to the location in a walled transformer yard beneath the crushed stone site cover, and the limited amounts remaining in the soil, residual PCB contamination in the soils will not impact the East River. Three rounds of groundwater samples were non-detect for PCBs.
Special Resources Impacted/ Threatened: None

Health Problem: Since some contaminated soils remain at the site below concrete or clean backfill, people will not come in contact with contaminated soils unless they dig below the surface materials. In addition, the site is fenced, which restricts public access.

Site Code: 55915
Control Name: Environmental Notice
HW Code: 224018A
Control Code: N
Control Type: INST
Dt record added: 06/22/2011
Dt rec updated: 10/17/2011
Updated By: JBSWARTO
Site Code: 55915

Site Description: Location: Naval Station - Brooklyn is located in a flat industrial area within the New York Naval Shipyard in the Williamsburg section of Brooklyn, north of Flushing Avenue, between Clinton Avenue and Williamsburg Place.
Site Features: The East River is 1500 feet west of the site. There a re two working electrical substations at the site which have three transformers employing dielectric fluid which formerly contained PCBs. Each of the substations is contained within an area surrounded by concrete walls. They are located in the northern portion of the property, adjacent to the property line.
Current Zoning/Use(s): Industrial Historic Use(s): A 1987 Phase I i nvestigation showed that the PCB content of the dielectric fluid in the transformers ranged from 250 to 590 parts per million (ppm). Transformer spills stained slabs and soil located beneath the transformers, with soil contamination ranging from 0.5 to 870 ppm. The PCB containing transformers were subsequently retro-filled. Remedial work began in the summer of 1994 and concluded in 1995 and included power-washing the transformers and stained slabs and removing hazardous levels of PCB contaminated soils. The areas were then backfilled with crushed stone and secured. Three monitoring wells were installed to determine whether PCBs had contaminated the groundwater beneath the site at Building 7. Three rounds of groundwater samples collected in September 1996, December 1996, and March 1997, showed no detectable concentrations of PCBs. It was determined that further monitoring at this site was not warranted. In July 2012 NYSDEC placed an Environmental Notice on the Transformer Area which requires written approval from NYSDEC prior to any disturbance or excavation of the soil, proper management and/or disposal of any contaminated materials exposed or removed, and prior approval by NYSDEC for any change in use. The Transformer Area has been delisted from the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete, to extent that the Navy was able to work around the active

NAVAL STATION-BROOKLYN, TRANSFORMER AREA (Continued) **S105586295**

transformers. The primary contaminants of concern at the site, PCB's, were addressed by the removal action completed in 1995. Due to the location in a walled transformer yard beneath the crushed stone site cover, and the limited amounts remaining in the soil, residual PCB contamination in the soils will not impact the East River. Three rounds of groundwater samples were non-detect for PCBs.
Special Resources Impacted/ Threatened: None

Health Problem: Since some contaminated soils remain at the site below concrete or clean backfill, people will not come in contact with contaminated soils unless they dig below the surface materials. In addition, the site is fenced, which restricts public access.

Site Code: 55915
Control Name: Soil Management Plan
HW Code: 224018A
Control Code: 14
Control Type: INST
Dt record added: 06/22/2011
Dt rec updated: 10/17/2011
Updated By: JBSWARTO
Site Code: 55915
Site Description: Location: Naval Station - Brooklyn is located in a flat industrial area within the New York Naval Shipyard in the Williamsburg section of Brooklyn, north of Flushing Avenue, between Clinton Avenue and Williamsburg Place.
Site Features: The East River is 1500 feet west of the site. There a re two working electrical substations at the site which have three transformers employing dielectric fluid which formerly contained PCBs. Each of the substations is contained within an area surrounded by concrete walls. They are located in the northern portion of the property, adjacent to the property line.
Current Zoning/Use(s): Industrial Historic Use(s): A 1987 Phase I i nvestigation showed that the PCB content of the dielectric fluid in the transformers ranged from 250 to 590 parts per million (ppm). Transformer spills stained slabs and soil located beneath the transformers, with soil contamination ranging from 0.5 to 870 ppm. The PCB containing transformers were subsequently retro-filled. Remedial work began in the summer of 1994 and concluded in 1995 and included power-washing the transformers and stained slabs and removing hazardous levels of PCB contaminated soils. The areas were then backfilled with crushed stone and secured. Three monitoring wells were installed to determine whether PCBs had contaminated the groundwater beneath the site at Building 7. Three rounds of groundwater samples collected in September 1996, December 1996, and March 1997, showed no detectable concentrations of PCBs. It was determined that further monitoring at this site was not warranted. In July 2012 NYSDEC placed an Environmental Notice on the Transformer Area which requires written approval from NYSDEC prior to any disturbance or excavation of the soil, proper management and/or disposal of any contaminated materials exposed or removed, and prior approval by NYSDEC for any change in use. The Transformer Area has been delisted from the Registry of Inactive Hazardous Waste Disposal Sites in New York State.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete, to extent that the Navy was able to work around the active transformers. The primary contaminants of concern at the site, PCB's, were addressed by the removal action completed in 1995. Due to

NAVAL STATION-BROOKLYN, TRANSFORMER AREA (Continued) **S105586295**

the location in a walled transformer yard beneath the crushed stone site cover, and the limited amounts remaining in the soil, residual PCB contamination in the soils will not impact the East River. Three rounds of groundwater samples were non-detect for PCBs.
Special Resources Impacted/ Threatened: None

Health Problem: Since some contaminated soils remain at the site below concrete or clean backfill, people will not come in contact with contaminated soils unless they dig below the surface materials. In addition, the site is fenced, which restricts public access.

239
SSE
1/2-1
0.914 mi.
4826 ft.

RUTLEDGE STATION **EDR MGP** **1008407898**
RUTLEDGE ST. WYTHE AND KENT AVE AND WALLABOUT AND HEYARD ST **N/A**
BROOKLYN, NY 11205

Relative:
Lower

Actual:
14 ft.

Manufactured Gas Plants:
No additional information available

240
WSW
1/2-1
0.974 mi.
5143 ft.

BROOKLYN GAS AND LIGHT **EDR MGP** **1008407881**
MARSHALL ST., ST. JOHN ST. AND LITTLE ST. **N/A**
BROOKLYN, NY 11201

Relative:
Lower

Actual:
17 ft.

Manufactured Gas Plants:
No additional information available

241
SSE
1/2-1
0.991 mi.
5230 ft.

SKILLMAN STATION **EDR MGP** **1008407900**
SKILLMAN ST. FLUSHING AND BEDFORD AVES., AND PARK ST **N/A**
BROOKLYN, NY 11205

Relative:
Lower

Actual:
15 ft.

Manufactured Gas Plants:
No additional information available

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	1000872886	NY TELEPHONE	360 GREET ST	99999	FINDS,RCRA-NLR
BROOKLYN	1001113446	NYCTA - 977 BROADWAY	977 BROADWAY EMPTY LOT CLEANUP	11206	FINDS,RCRA-NLR,MANIFEST
BROOKLYN	1001202911	MTA NYCT - BEDFORD & NOSTRAND AVE	BEDFORD & NOSTRAND AVE	11205	FINDS,RCRA-NLR,MANIFEST
BROOKLYN	1001482992	NYCTA	23RD ST & BROADWAY AVE	11201	FINDS,MANIFEST,RCRA-NLR
BROOKLYN	1001961422	PRODUCT & DESIGN NY	BROOKLYN NAVY YARD BLDG 618	11205	FINDS,RCRA-NLR
BROOKLYN	1003863816	BROOKLYN WHITE LEAD CO	FRONT & WATER STS	11201	CERCLIS-NFRAP
BROOKLYN	1003863856	BROOKLYN GAS LIGHT CO WORKS	MARSHALL LITTLE JOHN ST & E RI	11201	CERCLIS-NFRAP
BROOKLYN	1007208397	CONSOLIDATED EDISON	MH38210-KINGS HWY & W 7TH ST		RCRA-NLR,MANIFEST
BROOKLYN	1009233737	NYNEX	CORTELYOU RD E 2ND ST	11201	MANIFEST
BROOKLYN	1009238175	CONSOLIDATED EDISON	MH38445-E 25TH ST & KINGS HWY	11201	MANIFEST
BROOKLYN	1014918063	CON EDISON MANHOLE 6295	CORTELYOU RD & E 4TH ST SW COR	11201	RCRA-NLR
BROOKLYN	S106737045	BETW/AVE X &	KINGS HIGHWAY AVE U		SPILLS
BROOKLYN	S107407580	KINGS HIGHWAY MOBIL	KINGS HIGHWAY		SPILLS
NEW YORK CITY	S108146270	ROUTE 9A - MANHATTAN	WEST SIDE HIGHWAY	10002	HSWDS
BROOKLYN	S108933281	CONSOLIDATED EDISON	E 4TH & CORTELYOU RD MH6295	11201	MANIFEST
BROOKLYN	S109064521	BELL ATLANTIC-NY	E 94 ST/BET CLARKSON AVE KINGS		MANIFEST
	S109207895	205842; KINGS HWY	KINGS HWY		SPILLS
BROOKLYN	S110046423	CONSOLIDATED EDISON	KINGS HWY & CHURCH AVE - MH384	11201	MANIFEST
BROOKLYN	S111011715	ROADWAY	KINGS HIGHWAY AND OCEAN PARKWA		SPILLS
BROOKLYN	S112209774	CONSOLIDATED EDISON OF NY	NEC NOSTRAND KINGS HWY MH38335	11251	MANIFEST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 05/09/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 05/09/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 04/10/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 05/09/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/20/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 03/21/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/23/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 05/24/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/07/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 04/05/2013
Date Data Arrived at EDR: 04/05/2013
Date Made Active in Reports: 05/08/2013
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/23/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 162

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/01/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 04/02/2013
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 04/02/2013
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 04/02/2013
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 04/02/2013
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 04/02/2013
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 03/21/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/23/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 03/21/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/23/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Quarterly

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/11/2011
Number of Days to Update: 50

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 03/29/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 03/21/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 05/23/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 03/21/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/23/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 03/21/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 05/23/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/26/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 01/07/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/03/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 59

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/03/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: Quarterly

DEL SHWS: Delisted Registry Sites
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 03/21/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/23/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 02/22/2013
Date Data Arrived at EDR: 02/27/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 16

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 05/13/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 04/05/2013
Date Data Arrived at EDR: 04/05/2013
Date Made Active in Reports: 05/08/2013
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/23/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/11/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 04/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/04/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/29/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/28/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 114

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/09/2013
Date Data Arrived at EDR: 04/11/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/11/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 06/13/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/30/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Biennially

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 03/11/2013
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 06/11/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 02/07/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/09/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 04/19/2013
Date Data Arrived at EDR: 04/19/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 06/14/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 01/28/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/20/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 35

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 03/26/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: N/A

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Quarterly

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/20/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/17/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 01/08/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/14/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 04/11/2013
Date Data Arrived at EDR: 04/11/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 12/02/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/04/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/03/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 03/12/2013
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 51

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 03/12/2013
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 05/03/2013
Number of Days to Update: 51

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 05/03/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 05/03/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 04/08/2013
Date Data Arrived at EDR: 04/10/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 30

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 04/08/2013
Date Data Arrived at EDR: 04/10/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 30

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 05/03/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Annually

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 05/03/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 02/20/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 22

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 02/20/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 22

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/18/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/21/2013
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/21/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/23/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 02/15/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/14/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

337 BERRY STREET & 99 SOUTH 5TH STREET, BROOKLYN, NY
337 BERRY STREET
BROOKLYN, NY 11211

TARGET PROPERTY COORDINATES

Latitude (North):	40.7122 - 40˚ 42' 43.92''
Longitude (West):	73.9646 - 73˚ 57' 52.56''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	587459.4
UTM Y (Meters):	4507113.5
Elevation:	45 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

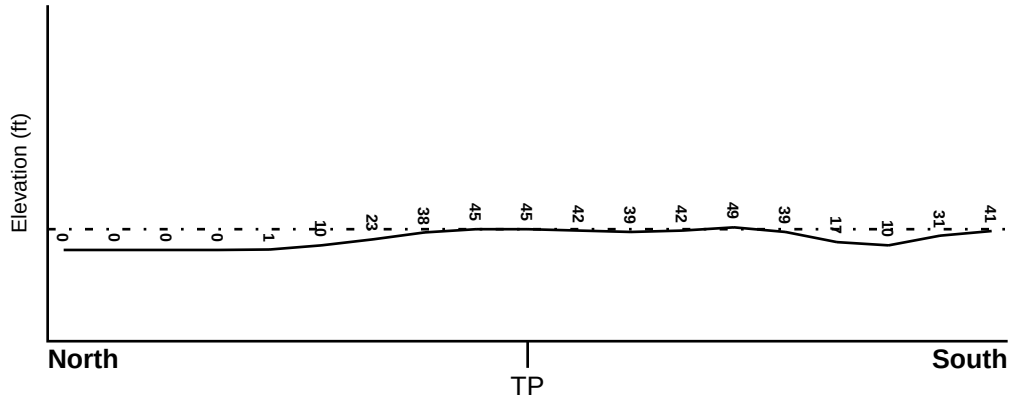
TOPOGRAPHIC INFORMATION

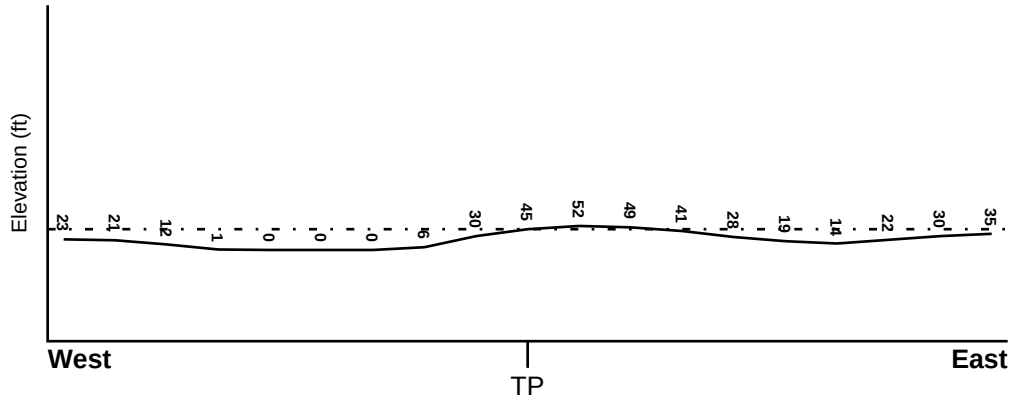
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

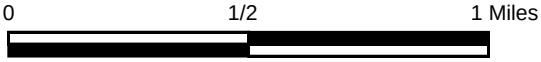
General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 45 ft.



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
KINGS, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	360497 - FEMA DFIRM Flood data
Additional Panels in search area:	3604970047B - FEMA Q3 Flood data 3604970048B - FEMA Q3 Flood data 3604970055B - FEMA Q3 Flood data 3604970056B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BROOKLYN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles SSW
Site Name:	Naval Station Ny
Site EPA ID Number:	NY5170022250
Groundwater Flow Direction:	NOT AVAILABLE.
Measured Depth to Water:	14 feet in a well located 1 mile southeast of the site.
Hydraulic Connection:	Information is not available about the hydraulic connection between the surficial aquifer (upper glacial till) and underlying aquifer(s). Bedrock is present at an estimated depth of 100 feet.
Sole Source Aquifer:	A sole source aquifer is persent at or near the site
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Ordovician
Series:	Ordovician
Code:	Oe *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000829352	1/8 - 1/4 Mile SSE
2	USGS40000829529	1/8 - 1/4 Mile NNW
3	USGS40000829409	1/8 - 1/4 Mile WSW
4	USGS40000829616	1/4 - 1/2 Mile North
A5	USGS40000829572	1/4 - 1/2 Mile NE
A6	USGS40000829561	1/4 - 1/2 Mile NE
7	USGS40000829248	1/4 - 1/2 Mile SE
8	USGS40000829117	1/2 - 1 Mile SSW
9	USGS40000829373	1/2 - 1 Mile East
10	USGS40000829139	1/2 - 1 Mile SSE
12	USGS40000829816	1/2 - 1 Mile North
13	USGS40000829263	1/2 - 1 Mile ESE
14	USGS40000829118	1/2 - 1 Mile SSW
15	USGS40000829091	1/2 - 1 Mile SSE
B16	USGS40000829478	1/2 - 1 Mile East
B17	USGS40000829485	1/2 - 1 Mile East
18	USGS40000829203	1/2 - 1 Mile SE
C19	USGS40000829806	1/2 - 1 Mile NNE
C20	USGS40000829792	1/2 - 1 Mile NE
21	USGS40000829042	1/2 - 1 Mile South
D22	USGS40000829805	1/2 - 1 Mile NE
23	USGS40000829486	1/2 - 1 Mile West
24	USGS40000829019	1/2 - 1 Mile SSE
D25	USGS40000829834	1/2 - 1 Mile NNE
26	USGS40000829578	1/2 - 1 Mile ENE
E27	USGS40000829065	1/2 - 1 Mile SE
28	USGS40000829538	1/2 - 1 Mile WNW
E29	USGS40000829064	1/2 - 1 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
11	NY0007257	1/2 - 1 Mile ENE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

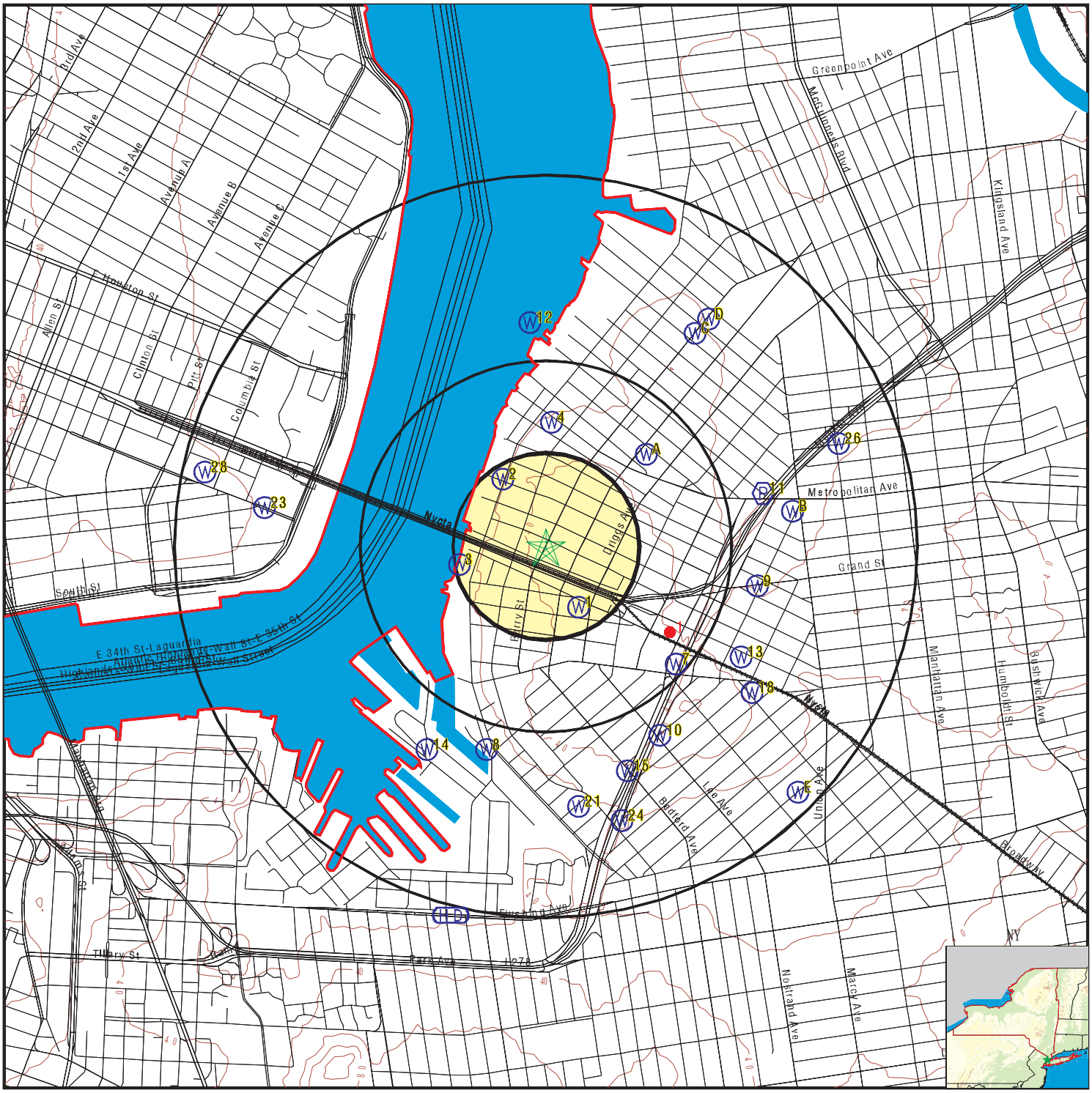
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NYOG70000000029	1/4 - 1/2 Mile SE

PHYSICAL SETTING SOURCE MAP - 3642113.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME: 337 Berry Street & 99 South 5th Street, Brooklyn, NY	CLIENT: Hillmann Environmental Co.
ADDRESS: 337 Berry Street Brooklyn NY 11211	CONTACT: Joanne Bedkowski INQUIRY #: 3642113.2s
LAT/LONG: 40.7122 / 73.9646	DATE: June 20, 2013 12:28 pm

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Map ID Direction Distance Elevation		Database	EDR ID Number
1 **SSE** **1/8 - 1/4 Mile** **Higher**		**FED USGS**	**USGS40000829352**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404236073574601		
Monloc name:	K 1301. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7098248
Longitude:	-73.9629161	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	52.5
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	19420120	Welldepth:	92
Welldepth units:	ft	Wellholedepth:	101
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 232

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-15		4.47	2004-11-23		4.03
2004-10-21		3.94	2004-09-21		2.83
2004-04-29		2.83	2003-12-18		3.89
2003-11-25		4.20	2003-10-29		4.08
2003-09-24		2.80	2003-08-25		3.00
2003-07-21		3.08	2003-05-19		3.62
2003-04-28		4.17	2003-02-27		4.37
2003-01-28		4.37	2002-12-27		4.42
2002-11-26		4.42	2002-10-21		4.21
2002-09-25		4.05	2002-08-30		3.99
2002-07-22		4.04	2002-06-18		3.93
2002-05-29		3.89	2002-03-22		4.18
2002-02-27		4.20	2002-01-28		4.20
2001-12-28		4.29	2001-10-24		4.10
2001-09-26		4.16	2001-08-29		4.09
2001-07-24		4.04	2001-05-24		4.03
2001-04-25		4.11	2001-02-22		4.19
2001-01-17		4.17	2000-11-28		4.27
2000-10-24		4.33	2000-09-27		4.09
2000-07-27		4.23	2000-06-28		4.10
2000-05-23		4.12	2000-03-22		4.07
2000-02-29		4.11	1999-12-13		4.27
1999-11-23		4.29	1999-10-19		4.24
1999-09-23		4.07	1999-08-17		3.87

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1999-07-20		3.94
1999-05-18		4.06
1999-03-02		4.14
1998-11-24		4.15
1998-06-10		4.25
1998-03-31		4.47
1997-09-29		4.03
1997-06-26		4.04
1997-02-28		5.36
1997-01-07		4.56
1996-07-02		4.17
1996-01-23		4.37
1995-09-26		4.10
1995-05-23		3.51
1995-01-25		4.29
1994-10-18		4.39
1994-08-24		4.15
1994-06-20		4.09
1994-04-26		4.56
1994-02-22		4.38
1993-12-27		4.33
1993-10-28		4.49
1993-08-18		4.07
1993-06-22		4.08
1993-04-29		4.59
1992-12-29		4.50
1992-10-28		4.35
1992-08-25		4.06
1992-06-23		3.87
1992-04-14		4.16
1992-02-19		4.24
1991-12-18		4.35
1991-10-16		4.55
1991-08-15		4.34
1991-06-12		3.67
1991-04-15		4.39
1991-02-21		4.44
1990-12-10		2.99
1990-10-10		3.23
1990-08-14		4.61
1990-05-25		4.20
1990-04-04		4.45
1990-01-24		4.46
1989-11-21		3.87
1989-09-29		2.44
1989-07-25		4.68
1989-05-22		4.31
1989-03-29		0.54
1989-01-17		2.37
1988-11-16		4.39
1988-09-14		4.67
1988-07-22		4.21
1988-06-01		4.42
1987-03-10		2.95
1986-06-13		2.74

Date	Feet below Surface	Feet to Sealevel
1999-06-24		3.92
1999-04-28		4.14
1999-01-27		4.08
1998-07-28		4.15
1998-04-29		4.48
1997-11-05		4.32
1997-07-23		4.01
1997-05-29		3.97
1997-01-24		5.42
1996-09-19		4.14
1996-03-13		4.40
1995-11-28		3.70
1995-07-19		3.99
1995-03-14		4.24
1994-12-13		4.31
1994-09-21		4.04
1994-07-27		4.17
1994-05-17		4.56
1994-03-25		4.57
1994-02-02		4.43
1993-11-18		4.40
1993-09-15		4.06
1993-07-15		4.08
1993-05-20		4.11
1993-01-26		4.46
1992-11-24		4.38
1992-09-16		4.11
1992-07-15		3.97
1992-05-12		4.17
1992-03-18		4.13
1992-01-22		4.23
1991-11-14		4.41
1991-09-17		3.63
1991-07-16		4.38
1991-05-15		3.40
1991-03-20		4.62
1991-01-24		4.68
1990-11-13		3.60
1990-09-12		4.60
1990-06-20		4.27
1990-04-24		4.38
1990-02-26		4.32
1989-12-28		4.51
1989-10-27		3.51
1989-08-31		4.74
1989-06-22		4.50
1989-04-28		4.15
1989-02-28		1.24
1988-12-09		4.46
1988-10-19		4.50
1988-08-31		1.27
1988-06-17		4.17
1987-09-10		4.30
1986-09-10		4.00
1986-03-11		3.81

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-12-03		4.38	1985-10-03		4.20
1985-05-21		4.05	1984-12-18		1.82
1984-10-05		2.37	1984-06-28		2.67
1984-03-16		4.91	1984-01-05		5.97
1983-09-29		5.09	1983-06-29		5.47
1983-03-25		5.33	1982-12-21		4.68
1982-10-06		4.37	1982-06-30		5.07
1982-04-02		4.60	1981-12-29		2.47
1981-09-23		4.72	1981-06-24		4.10
1981-03-20		4.97	1980-12-30		4.67
1980-09-23		4.59	1980-06-19		4.42
1980-03-13		4.55	1979-12-18		5.80
1979-09-17		4.09	1979-06-28		3.87
1979-03-26		4.95	1978-12-22		4.57
1978-10-02		6.08	1978-06-23		5.26
1978-04-04		5.37	1978-01-03		5.05
1977-09-23		3.77	1977-07-06		4.61
1977-03-28		4.47	1976-12-22		4.27
1976-09-23		4.48	1976-06-28		3.38
1976-03-23		4.18	1975-12-16		4.37
1975-10-07		4.60	1975-06-30		4.09
1975-03-26		4.40	1974-12-19		4.69
1974-09-04		3.20	1974-06-26		4.48
1974-03-19		4.40	1974-01-09		4.57
1973-09-24		4.09	1973-07-09		4.28
1973-04-03		4.47	1972-12-27		3.58
1972-09-29		3.84	1972-07-10		3.58
1972-03-28		4.95	1972-01-13		4.84
1971-10-12		4.67	1969-09-03		3.29
1969-04-22		2.95	1968-11-06		2.77
1968-04-22		2.77	1967-10-20		1.64
1967-03-28		2.11	1966-10-24		1.72
1966-05-03		1.49	1965-10-28		1.65
1965-09-14		1.43	1965-05-03		1.69
1964-10-30		1.65	1964-04-23		1.61
1963-04-29		1.43	1962-04-26		0.67
1961-12-28		-0.62	1961-01-19		-7.72

2
NNW
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000829529**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404253073580201		
Monloc name:	K 458. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7148247
Longitude:	-73.9668051	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	1053
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

3
WSW **FED USGS** **USGS40000829409**
1/8 - 1/4 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404241073581001		
Monloc name:	K 686. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7114914
Longitude:	-73.9690274	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	146
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

4
North **FED USGS** **USGS40000829616**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404301073575301		
Monloc name:	K 2591. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7170469
Longitude:	-73.964305	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	2.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A5
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000829572**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404257073573701		
Monloc name:	K 2262. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7159358
Longitude:	-73.9598605	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	8.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	61
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A6
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000829561**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404256073573401		
Monloc name:	K 1303. 1		
Monloc type:	Well		
Monloc desc:	3401		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.715658
Longitude:	-73.9590271	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	16.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	90
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

7
SE **FED USGS** **USGS40000829248**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404227073573001		
Monloc name:	K 67. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7076026
Longitude:	-73.957916	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	47.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 475

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1975-10-07		13.99	1975-06-30		14.09
1975-03-26		15.35	1974-12-19		9.86
1974-09-04		9.70	1974-06-26		9.64
1974-03-19		9.89	1974-01-09		8.60
1973-10-02		10.47	1973-09-25		11.70
1973-07-09		4.20	1973-04-03		4.51
1972-12-27		4.38	1972-10-02		5.00
1972-07-10		4.90	1972-03-28		4.71
1972-01-13		4.63	1971-09-23		4.81
1971-03-08		6.91	1970-11-02		7.01

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1970-03-13		4.41
1969-09-03		3.48
1968-11-06		2.61
1967-10-20		2.07
1966-10-24		1.29
1965-10-27		1.02
1965-05-03		0.89
1964-04-23		1.15
1963-04-29		1.18
1962-04-26		-0.25
1961-10-02		-2.51
1961-03-28		-6.02
1960-09-28		-3.96
1960-03-31		-0.96
1959-10-07		-1.05
1959-03-18		-1.14
1958-01-10		-2.02
1957-03-27		-1.90
1956-11-29		-1.52
1956-10-02		-1.15
1956-07-03		-0.34
1956-05-15		-0.44
1956-02-07		-1.17
1955-11-15		-1.89
1955-08-25		-3.01
1955-06-23		-3.46
1955-04-26		-3.64
1955-02-21		-4.20
1954-12-27		-4.60
1954-08-25		-5.63
1954-06-29		-5.50
1954-04-28		-5.10
1954-02-25		-4.83
1953-12-23		-4.80
1953-10-28		-5.00
1953-08-28		-5.82
1953-06-24		-6.31
1953-04-27		-6.88
1953-02-27		-7.71
1952-12-23		-8.77
1952-11-03		-9.45
1952-08-25		-10.52
1952-06-24		-11.04
1952-04-29		-11.60
1952-02-20		-12.48
1951-12-20		-13.14
1951-11-02		-13.69
1951-08-28		-14.33
1951-06-28		-14.42
1951-05-02		-14.49
1951-02-26		-14.94
1950-12-20		-15.31
1950-10-31		-15.55
1950-08-29		-16.10
1950-06-29		-15.88

Date	Feet below Surface	Feet to Sealevel
1969-11-12		4.06
1969-04-22		3.00
1968-04-22		2.52
1967-03-28		1.72
1966-05-03		1.12
1965-09-14		0.85
1964-10-02		1.10
1963-10-19		0.89
1962-11-23		1.03
1961-12-28		-0.96
1961-06-28		-4.80
1960-12-27		-5.64
1960-07-05		-2.45
1960-01-14		-1.24
1959-07-16		-1.34
1958-04-16		-2.07
1957-09-24		-2.67
1956-12-18		-1.57
1956-10-25		-1.45
1956-08-02		-0.67
1956-06-05		-0.35
1956-03-05		-1.05
1955-12-22		-1.36
1955-10-07		-2.36
1955-07-26		-3.37
1955-05-25		-3.49
1955-03-28		-3.89
1955-01-25		-4.29
1954-12-02		-4.73
1954-07-29		-5.70
1954-05-27		-5.26
1954-03-30		-5.00
1954-01-28		-4.82
1953-12-02		-4.80
1953-10-02		-5.39
1953-08-03		-6.07
1953-05-25		-6.51
1953-03-24		-7.38
1953-02-05		-8.10
1952-12-05		-8.99
1952-09-22		-10.08
1952-07-23		-10.92
1952-05-27		-11.28
1952-03-24		-12.02
1952-01-29		-12.74
1951-11-28		-13.42
1951-09-26		-14.15
1951-07-26		-14.38
1951-05-29		-14.38
1951-03-27		-14.80
1951-01-30		-15.10
1950-11-28		-15.40
1950-09-27		-15.80
1950-07-27		-16.05
1950-06-05		-15.58

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1950-04-27		-15.63
1950-03-01		-15.70
1949-12-28		-16.00
1949-10-31		-16.29
1949-08-31		-16.98
1949-06-30		-17.15
1949-04-28		-17.18
1949-02-21		-17.65
1948-12-28		-18.04
1948-11-04		-18.32
1948-08-30		-18.97
1948-06-30		-19.22
1948-04-27		-19.68
1947-11-26		-20.13
1947-10-31		-20.30
1947-10-07		-20.41
1947-09-15		-20.91
1947-08-13		-20.80
1947-07-23		-20.80
1947-07-07		-20.57
1947-07-01		-20.50
1947-05-27		-20.30
1947-04-04		-20.10
1947-01-24		-19.86
1946-11-26		-19.75
1946-09-26		-20.14
1946-07-26		-19.90
1946-06-10		-19.50
1946-04-12		-19.44
1946-02-15		-19.58
1945-12-04		-19.64
1945-09-28		-19.70
1945-08-08		-19.73
1945-06-04		-19.17
1945-04-04		-19.40
1945-01-02		-19.38
1944-10-28		-19.29
1944-09-02		-19.57
1944-07-05		-19.24
1944-05-05		-19.16
1944-02-26		-18.94
1944-01-01		-18.97
1943-10-30		-18.98
1943-08-28		-19.18
1943-06-26		-19.19
1943-05-01		-19.25
1943-02-27		-19.27
1943-01-02		-19.30
1942-12-12		-19.15
1942-11-28		-19.14
1942-11-14		-19.11
1942-10-31		-19.13
1942-10-17		-19.16
1942-09-26		-19.17
1942-09-12		-19.18

Date	Feet below Surface	Feet to Sealevel
1950-03-29		-15.65
1950-01-26		-15.80
1949-11-28		-16.15
1949-09-28		-16.54
1949-07-28		-17.06
1949-06-01		-16.97
1949-04-05		-17.32
1949-01-27		-17.82
1948-12-09		-18.25
1948-10-04		-18.80
1948-07-26		-19.32
1948-06-01		-19.32
1947-12-16		-20.05
1947-11-20		-20.14
1947-10-14		-20.34
1947-09-30		-20.48
1947-08-27		-20.84
1947-07-30		-20.80
1947-07-16		-20.68
1947-07-02		-20.53
1947-06-24		-20.47
1947-05-07		-20.17
1947-03-05		-20.00
1946-12-27		-19.83
1946-10-22		-19.90
1946-09-16		-20.10
1946-07-01		-19.69
1946-05-10		-19.42
1946-03-18		-19.46
1946-01-08		-19.55
1945-11-06		-19.64
1945-09-12		-19.84
1945-07-03		-19.53
1945-04-27		-19.30
1945-03-03		-19.35
1944-12-06		-19.77
1944-10-04		-19.39
1944-07-31		-19.52
1944-05-27		-19.17
1944-03-30		-19.01
1944-01-29		-18.87
1943-11-27		-18.99
1943-09-25		-19.12
1943-07-31		-19.22
1943-05-29		-19.20
1943-03-27		-19.28
1943-01-30		-19.27
1942-12-26		-19.26
1942-12-05		-19.15
1942-11-21		-19.13
1942-11-07		-19.13
1942-10-24		-19.15
1942-10-10		-19.16
1942-09-19		-19.18
1942-09-05		-19.19

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1942-08-29		-19.22
1942-08-15		-19.39
1942-08-01		-19.34
1942-07-18		-19.42
1942-07-04		-19.55
1942-06-20		-19.71
1942-06-06		-19.88
1942-05-23		-19.95
1942-05-09		-20.04
1942-04-25		-20.11
1942-04-11		-20.15
1942-03-28		-20.21
1942-03-14		-20.24
1942-02-28		-20.30
1942-02-14		-20.35
1942-01-31		-20.46
1942-01-17		-20.52
1942-01-03		-20.59
1941-12-20		-20.63
1941-12-06		-20.69
1941-11-22		-20.74
1941-11-08		-20.74
1941-10-25		-20.74
1941-10-11		-20.75
1941-09-27		-20.74
1941-09-13		-20.73
1941-08-30		-20.71
1941-08-16		-20.69
1941-08-02		-20.67
1941-07-19		-20.62
1941-07-05		-20.58
1941-06-21		-20.54
1941-06-07		-20.50
1941-05-24		-20.48
1941-05-10		-20.45
1941-04-26		-20.41
1941-04-12		-20.38
1941-03-29		-20.35
1941-03-15		-20.33
1941-03-01		-20.31
1941-02-15		-20.32
1941-02-01		-20.30
1941-01-18		-20.29
1941-01-04		-20.28
1940-12-21		-20.26
1940-12-07		-20.25
1940-11-23		-20.22
1940-11-09		-20.21
1940-10-26		-20.22
1940-10-12		-20.20
1940-09-28		-20.19
1940-09-14		-20.13
1940-08-31		-20.07
1940-08-17		-20.03
1940-08-03		-19.99

Date	Feet below Surface	Feet to Sealevel
1942-08-22		-19.25
1942-08-08		-19.31
1942-07-25		-19.38
1942-07-11		-19.48
1942-06-27		-19.62
1942-06-13		-19.80
1942-05-30		-19.93
1942-05-16		-19.99
1942-05-02		-20.08
1942-04-18		-20.14
1942-04-04		-20.16
1942-03-21		-20.24
1942-03-07		-20.26
1942-02-21		-20.30
1942-02-07		-20.37
1942-01-24		-20.49
1942-01-10		-20.55
1941-12-27		-20.61
1941-12-13		-20.66
1941-11-29		-20.71
1941-11-15		-20.74
1941-11-01		-20.74
1941-10-18		-20.74
1941-10-04		-20.74
1941-09-20		-20.73
1941-09-06		-20.73
1941-08-23		-20.69
1941-08-09		-20.67
1941-07-26		-20.64
1941-07-12		-20.60
1941-06-28		-20.56
1941-06-14		-20.52
1941-05-31		-20.49
1941-05-17		-20.45
1941-05-03		-20.45
1941-04-19		-20.41
1941-04-05		-20.37
1941-03-22		-20.35
1941-03-08		-20.31
1941-02-22		-20.31
1941-02-08		-20.35
1941-01-25		-20.30
1941-01-11		-20.28
1940-12-28		-20.28
1940-12-14		-20.27
1940-11-30		-20.25
1940-11-16		-20.21
1940-11-02		-20.22
1940-10-19		-20.21
1940-10-05		-20.19
1940-09-21		-20.14
1940-09-07		-20.10
1940-08-24		-20.05
1940-08-10		-20.02
1940-07-27		-19.99

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1940-07-20		-19.98
1940-07-06		-19.96
1940-06-22		-19.92
1940-06-08		-19.88
1940-05-25		-19.90
1940-05-11		-19.85
1940-04-27		-19.84
1940-04-13		-19.82
1940-03-30		-19.81
1940-03-16		-19.79
1940-03-02		-19.73
1940-02-17		-19.72
1940-02-03		-19.73
1940-01-20		-19.71
1940-01-06		-19.72
1939-12-23		-19.74
1939-12-09		-19.67
1939-11-25		-19.67
1939-11-11		-19.66
1939-10-28		-19.63
1939-10-14		-19.54
1939-09-30		-19.57
1939-09-16		-19.47
1939-09-01		-19.34
1939-08-18		-19.23
1939-08-04		-19.08
1939-07-21		-19.00
1939-07-07		-18.85
1939-06-23		-18.65
1939-06-09		-18.61
1939-05-26		-18.63
1939-05-12		-18.65
1939-04-28		-18.64
1939-04-08		-18.63
1939-03-24		-18.73
1939-03-10		-18.73
1939-02-17		-18.70
1939-02-03		-18.78
1939-01-13		-18.85
1938-12-30		-18.90
1938-12-09		-18.89
1938-11-18		-18.89
1938-11-04		-18.89
1938-10-21		-18.85
1938-10-07		-18.86
1938-09-16		-18.91
1938-09-02		-18.90
1938-08-12		-18.83
1938-07-29		-18.76
1938-07-01		-18.71
1938-04-23		-18.57
1938-04-09		-18.51
1938-03-26		-18.49
1938-03-12		-18.58
1938-02-26		-18.65

Date	Feet below Surface	Feet to Sealevel
1940-07-13		-19.97
1940-06-29		-19.91
1940-06-15		-19.91
1940-06-01		-19.91
1940-05-18		-19.87
1940-05-04		-19.87
1940-04-20		-19.80
1940-04-06		-19.78
1940-03-23		-19.80
1940-03-09		-19.78
1940-02-24		-19.69
1940-02-10		-19.74
1940-01-27		-19.71
1940-01-13		-19.71
1939-12-30		-19.72
1939-12-16		-19.70
1939-12-02		-19.66
1939-11-18		-19.65
1939-11-04		-19.67
1939-10-21		-19.62
1939-10-07		-19.63
1939-09-23		-19.63
1939-09-08		-19.43
1939-08-25		-19.29
1939-08-11		-19.10
1939-07-28		-19.13
1939-07-14		-18.86
1939-06-30		-18.65
1939-06-16		-18.63
1939-06-02		-18.63
1939-05-19		-18.62
1939-05-05		-18.63
1939-04-21		-18.64
1939-03-31		-18.73
1939-03-17		-18.73
1939-02-24		-18.75
1939-02-10		-18.72
1939-01-27		-18.82
1939-01-06		-18.90
1938-12-16		-18.90
1938-11-25		-18.93
1938-11-11		-18.90
1938-10-28		-18.88
1938-10-14		-18.86
1938-09-30		-18.85
1938-09-09		-18.87
1938-08-19		-18.83
1938-08-05		-18.78
1938-07-22		-18.75
1938-06-25		-18.69
1938-04-16		-18.55
1938-04-02		-18.51
1938-03-19		-18.55
1938-03-05		-18.60
1938-02-19		-18.64

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1938-02-12		-18.67	1938-02-04		-18.65
1938-01-28		-18.66	1938-01-21		-18.64
1938-01-14		-18.67	1938-01-07		-18.66
1937-12-31		-18.68	1937-12-24		-18.66
1937-12-18		-18.56	1937-12-11		-18.63
1937-12-04		-18.62	1937-11-27		-18.61
1937-11-20		-18.56	1937-11-13		-18.60
1937-11-08		-18.60			

8
SSW **FED USGS** **USGS40000829117**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404215073580501		
Monloc name:	K 611. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7042693
Longitude:	-73.9676385	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	130
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

9
East **FED USGS** **USGS40000829373**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404238073571501		
Monloc name:	K 672. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7106581
Longitude:	-73.9537492	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	170
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

10
SSE **FED USGS** **USGS40000829139**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404217073573301		
Monloc name:	K 666. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7048249
Longitude:	-73.9587493	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	55.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	214
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

11
ENE **FRDS PWS** **NY0007257**
1/2 - 1 Mile
Lower

PWS ID:	NY0007257		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	MANSFIELD BUNG COLONY GALE ROAD, BOX 123 MONGAUP VALLEY, NY 12762		

Addressee / Facility:	System Owner/Responsible Party ROSENBERG MAYER C/O MAYER ROSENBURG 570 BEDFORD AVE BROOKLYN, NY 11211		
Facility Latitude:	40 42 51	Facility Longitude:	073 57 14
City Served:	BETHEL (T)		
Treatment Class	Not Reported	Population:	Not Reported

Violations information not reported.

12
North
1/2 - 1 Mile
Lower

FED USGS **USGS40000829816**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404315073575701		
Monloc name:	K 688. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7209357
Longitude:	-73.9654162	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	111
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

13
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS40000829263**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404228073571801		
Monloc name:	K 670. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7078804
Longitude:	-73.9545825	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	165
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

14
SSW **FED USGS** **USGS40000829118**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404215073581601		
Monloc name:	K 2173. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7042693
Longitude:	-73.9706941	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	115
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

15
SSE **FED USGS** **USGS40000829091**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404212073573901		
Monloc name:	K 687. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.703436
Longitude:	-73.960416	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	43.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	200
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B16
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000829478**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404248073570901		
Monloc name:	K 898. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7134358
Longitude:	-73.9520825	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	7.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	46
Welldepth units:	ft	Wellholedepth:	74
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B17
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000829485**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404249073570801		
Monloc name:	K 673. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7137136
Longitude:	-73.9518047	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	14.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	196
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

18
SE **FED USGS** **USGS40000829203**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404223073571601		
Monloc name:	K 717. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7064915
Longitude:	-73.954027	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	45.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	202
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C19
NNE **FED USGS** **USGS40000829806**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404314073572801		
Monloc name:	K 50. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7206579
Longitude:	-73.9573604	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	16.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	157
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C20
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000829792**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404313073572508		
Monloc name:	K 463. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7203801
Longitude:	-73.956527	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	32
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 106

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1939-11-18		3.22	1939-11-11		3.18
1939-11-04		3.26	1939-10-28		3.28
1939-10-25		3.27	1939-10-18		3.26
1939-10-11		3.39	1939-10-04		3.76
1939-09-23		3.83	1939-09-16		3.77
1939-09-08		3.75	1939-09-01		3.85
1939-08-25		4.13	1939-08-18		4.26
1939-08-11		4.39	1939-08-04		4.52
1939-07-28		4.57	1939-07-21		4.58
1939-07-14		4.59	1939-07-07		4.59

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1939-06-30		4.56	1939-06-23		4.58
1939-06-16		4.60	1939-06-09		4.61
1939-06-02		4.58	1939-05-26		4.60
1939-05-19		4.61	1939-05-12		4.62
1939-05-05		4.62	1939-04-28		4.63
1939-04-21		4.64	1939-04-15		4.64
1939-04-08		4.67	1939-03-31		4.72
1939-03-24		4.70	1939-03-17		4.69
1939-03-10		4.73	1939-03-03		4.76
1939-02-24		4.72	1939-02-17		4.73
1939-02-10		4.74	1939-02-03		4.76
1939-01-27		4.78	1939-01-20		4.81
1939-01-13		4.83	1939-01-06		4.85
1938-12-30		4.88	1938-12-23		4.91
1938-12-16		4.91	1938-12-09		4.94
1938-12-02		4.95	1938-11-25		5.03
1938-11-18		5.01	1938-11-11		5.04
1938-11-04		5.09	1938-10-28		5.20
1938-10-21		5.30	1938-10-14		5.97
1938-10-07		5.19	1938-09-30		5.24
1938-09-23		5.27	1938-09-16		4.91
1938-09-09		4.41	1938-09-02		4.41
1938-08-26		4.42	1938-08-19		4.42
1938-08-12		4.40	1938-08-05		4.41
1938-07-29		4.41	1938-07-22		4.40
1938-07-15		4.41	1938-07-08		4.40
1938-07-01		4.42	1938-06-25		4.42
1938-06-18		4.43	1938-06-11		4.43
1938-06-04		4.46	1938-05-28		4.48
1938-05-21		4.60	1938-05-14		4.78
1938-05-07		4.79	1938-04-30		4.81
1938-04-23		4.87	1938-04-16		4.88
1938-04-09		5.12	1938-04-02		5.05
1938-03-26		4.65	1938-03-19		4.63
1938-03-12		4.63	1938-03-05		4.66
1938-02-26		4.67	1938-02-19		4.68
1938-02-04		4.72	1938-01-28		4.72
1938-01-21		4.74	1938-01-14		4.77
1938-01-07		4.81	1937-12-31		4.81
1937-12-24		4.86	1937-12-18		4.88
1937-12-11		4.87	1937-12-04		4.80
1937-11-27		4.76	1937-11-20		4.73
1937-11-13		4.40	1937-11-08		4.40

21
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000829042**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404207073574801		
Monloc name:	K 664. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7020472
Longitude:	-73.9629161	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	179
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

D22
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000829805**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404314073572301		
Monloc name:	K 1112. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7206579
Longitude:	-73.9559715	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	7.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	55
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

23
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000829486**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404249073584601		
Monloc name:	NY 146		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7137136
Longitude:	-73.9790277	Sourcemap scale:	24000

Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	48
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

24
SSE **FED USGS** **USGS40000829019**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404205073574001		
Monloc name:	K 1662. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7014916
Longitude:	-73.9606938	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	6.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	147
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

D25
NNE **FED USGS** **USGS40000829834**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404317073572501		
Monloc name:	K 49. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7214912
Longitude:	-73.956527	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	18.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	333
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

26
ENE **FED USGS** **USGS40000829578**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404258073570001		
Monloc name:	K 691. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7162136
Longitude:	-73.9495824	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	18.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	195
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

E27
SE **FED USGS** **USGS40000829065**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404209073570908		
Monloc name:	K 65. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7026027
Longitude:	-73.9520825	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	59
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 468

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1968-11-06		0.65	1967-10-20		0.51
1966-10-24		5.43	1966-05-03		-0.40
1965-10-27		-0.59	1965-09-14		-0.71
1965-05-03		6.73	1964-10-30		-1.63
1964-04-23		-0.90	1963-10-19		-1.07
1963-04-29		-0.68	1962-11-09		-0.71
1962-04-26		-0.70	1961-12-27		-1.75
1961-10-02		-2.95	1961-06-29		-3.94
1960-09-28		-2.66	1960-07-05		-3.44
1960-03-30		-3.13	1960-01-14		-2.56
1959-10-07		-3.82	1959-07-16		-3.40
1959-03-18		-2.75	1958-01-10		-4.35
1957-09-24		-4.66	1957-06-27		-4.47
1957-03-27		-4.08	1956-12-18		-3.97
1956-11-29		-3.93	1956-10-25		-3.90
1956-10-02		-3.73	1956-08-02		-3.44
1956-07-03		-3.89	1956-06-05		-3.79
1956-05-15		-3.39	1956-03-05		-3.44
1956-02-07		-3.93	1955-12-22		-4.25
1955-11-15		-4.60	1955-10-07		-5.48
1955-07-26		-5.49	1955-06-23		-5.20
1955-05-25		-5.22	1955-04-26		-5.09
1955-03-29		-5.63	1955-02-21		-5.60
1955-01-25		-5.77	1954-12-27		-6.03
1954-12-02		-6.27	1954-10-28		-6.53
1954-10-05		-6.63	1954-08-25		-6.82
1954-07-29		-6.99	1954-06-29		-6.85
1954-05-27		-6.78	1954-04-28		-6.56
1954-03-30		-6.57	1954-02-25		-6.36
1954-01-28		-6.33	1953-12-23		-6.26
1953-12-02		-6.25	1953-10-28		-6.58
1953-10-02		-6.93	1953-08-28		-6.51
1953-08-03		-7.14	1953-06-24		-7.58
1953-05-25		-7.91	1953-04-27		-7.81
1953-02-27		-9.00	1953-02-05		-9.57
1952-12-18		-10.41	1952-11-03		-11.24
1952-09-22		-11.98	1952-08-25		-12.18
1952-07-23		-12.75	1952-06-24		-12.99
1952-05-27		-13.34	1952-04-29		-13.64
1952-03-24		-14.18	1952-02-20		-14.88
1952-01-29		-14.67	1951-12-20		-15.96

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1951-11-28		-16.21
1951-09-26		-17.06
1951-07-26		-17.23
1951-05-29		-17.51
1951-03-27		-18.22
1951-01-30		-18.55
1950-11-28		-18.95
1950-09-27		-19.43
1950-07-27		-19.13
1950-06-05		-18.95
1950-03-29		-19.03
1950-01-26		-19.43
1949-11-28		-19.89
1949-09-28		-20.13
1949-07-28		-20.50
1949-06-01		-20.78
1949-04-05		-21.42
1949-01-27		-22.17
1948-12-09		-22.77
1948-10-04		-23.16
1948-07-23		-23.50
1948-06-02		-23.92
1948-03-26		-24.62
1948-02-03		-24.96
1947-12-16		-25.56
1947-11-20		-25.52
1947-10-14		-25.69
1947-09-30		-25.72
1947-08-27		-25.80
1947-07-30		-25.90
1947-07-16		-25.70
1947-07-02		-25.76
1947-06-30		-25.73
1947-05-27		-25.71
1947-04-04		-25.70
1947-01-24		-25.32
1946-11-26		-25.26
1946-09-26		-25.19
1946-07-26		-24.90
1946-06-10		-24.57
1946-04-12		-24.62
1946-02-15		-24.86
1945-12-04		-25.27
1945-09-28		-25.27
1945-08-08		-25.10
1945-06-04		-24.81
1945-04-04		-24.87
1945-02-06		-24.85
1944-12-06		-25.06
1944-10-04		-25.19
1944-07-31		-25.14
1944-06-03		-24.70
1944-03-30		-24.56
1944-01-29		-24.66
1943-11-27		-25.11

Date	Feet below Surface	Feet to Sealevel
1951-11-02		-16.49
1951-08-28		-17.20
1951-06-28		-17.32
1951-05-02		-17.80
1951-02-26		-18.21
1950-12-20		-18.96
1950-10-31		-19.20
1950-08-29		-19.27
1950-06-29		-19.19
1950-04-27		-19.09
1950-03-01		-19.20
1949-12-28		-19.61
1949-10-31		-19.90
1949-08-31		-20.33
1949-06-30		-20.74
1949-04-28		-21.18
1949-02-21		-22.00
1948-12-28		-22.46
1948-11-04		-22.89
1948-08-30		-23.18
1948-06-30		-23.67
1948-04-27		-24.29
1948-03-02		-24.74
1948-01-07		-25.10
1947-11-26		-25.53
1947-10-31		-25.66
1947-10-07		-25.75
1947-09-15		-25.83
1947-08-13		-25.73
1947-07-23		-25.93
1947-07-07		-25.71
1947-07-01		-25.71
1947-06-24		-25.65
1947-05-07		-25.71
1947-03-05		-25.47
1946-12-27		-25.40
1946-10-22		-25.27
1946-08-30		-25.13
1946-07-01		-24.69
1946-05-10		-24.52
1946-03-18		-24.66
1946-01-08		-25.12
1945-11-06		-25.40
1945-09-12		-25.19
1945-07-03		-25.01
1945-04-27		-24.78
1945-03-03		-24.74
1945-01-02		-25.06
1944-10-28		-25.12
1944-09-02		-25.23
1944-07-01		-24.97
1944-05-05		-24.81
1944-02-26		-24.76
1944-01-01		-24.80
1943-10-30		-25.40

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1943-09-25		-25.48
1943-07-31		-25.53
1943-05-29		-25.61
1943-03-27		-25.68
1943-01-30		-25.88
1942-12-26		-25.91
1942-12-12		-26.01
1942-11-28		-26.03
1942-11-14		-26.08
1942-10-31		-25.92
1942-10-17		-25.89
1942-10-03		-25.91
1942-09-19		-25.80
1942-09-04		-25.79
1942-08-22		-25.58
1942-08-08		-25.52
1942-07-25		-25.78
1942-07-11		-25.73
1942-06-27		-25.99
1942-06-13		-26.08
1942-05-30		-26.14
1942-05-16		-26.25
1942-05-02		-26.36
1942-04-18		-26.37
1942-04-04		-26.46
1942-03-21		-26.54
1942-03-07		-26.73
1942-02-21		-26.57
1942-02-07		-26.47
1942-01-24		-26.72
1942-01-10		-26.65
1941-12-27		-26.75
1941-12-13		-26.85
1941-11-29		-27.04
1941-11-15		-27.04
1941-11-01		-26.98
1941-10-18		-27.03
1941-10-04		-26.89
1941-09-20		-26.95
1941-09-06		-26.80
1941-08-23		-26.80
1941-08-09		-26.66
1941-07-26		-26.65
1941-07-12		-26.61
1941-06-28		-26.59
1941-06-14		-26.45
1941-05-31		-26.46
1941-05-17		-26.41
1941-05-03		-26.46
1941-04-19		-26.36
1941-04-05		-26.24
1941-03-22		-26.31
1941-03-08		-25.99
1941-02-22		-26.21
1941-02-08		-26.17

Date	Feet below Surface	Feet to Sealevel
1943-08-28		-25.44
1943-06-26		-25.58
1943-05-01		-25.66
1943-02-27		-25.78
1943-01-02		-25.73
1942-12-19		-26.15
1942-12-05		-26.14
1942-11-21		-26.07
1942-11-07		-26.02
1942-10-24		-26.02
1942-10-10		-25.94
1942-09-26		-25.90
1942-09-12		-25.77
1942-08-29		-25.71
1942-08-15		-25.60
1942-08-01		-25.69
1942-07-18		-25.66
1942-07-04		-25.93
1942-06-20		-26.02
1942-06-06		-26.13
1942-05-23		-26.17
1942-05-09		-26.33
1942-04-25		-26.40
1942-04-11		-26.36
1942-03-28		-26.49
1942-03-14		-26.51
1942-02-28		-26.60
1942-02-14		-26.58
1942-01-31		-26.61
1942-01-17		-26.85
1942-01-03		-26.85
1941-12-20		-26.90
1941-12-06		-26.97
1941-11-22		-26.97
1941-11-08		-27.11
1941-10-25		-27.03
1941-10-11		-27.04
1941-09-27		-26.99
1941-09-13		-26.95
1941-08-30		-26.85
1941-08-16		-26.72
1941-08-02		-26.74
1941-07-19		-26.60
1941-07-05		-26.60
1941-06-21		-26.58
1941-06-07		-26.58
1941-05-24		-26.47
1941-05-10		-26.45
1941-04-26		-26.37
1941-04-12		-26.37
1941-03-29		-26.25
1941-03-15		-26.26
1941-03-01		-26.16
1941-02-15		-26.15
1941-02-01		-26.29

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1941-01-25		-26.22
1941-01-11		-26.20
1940-12-28		-26.13
1940-12-14		-26.32
1940-11-30		-26.23
1940-11-16		-26.16
1940-11-02		-26.06
1940-10-19		-26.13
1940-10-05		-26.09
1940-09-21		-25.90
1940-09-07		-25.81
1940-08-24		-25.78
1940-08-10		-25.50
1940-07-27		-25.74
1940-07-13		-25.66
1940-06-29		-25.60
1940-06-15		-25.56
1940-05-29		-25.58
1940-05-18		-25.52
1940-05-04		-25.46
1940-04-20		-25.41
1940-04-06		-25.58
1940-03-23		-25.60
1940-03-09		-25.61
1940-02-24		-25.61
1940-02-10		-25.59
1940-01-27		-25.69
1940-01-13		-25.73
1939-12-30		-25.57
1939-12-16		-25.76
1939-12-02		-25.67
1939-11-18		-25.71
1939-11-04		-25.81
1939-10-21		-25.79
1939-10-07		-25.89
1939-09-23		-26.08
1939-09-08		-26.63
1939-08-25		-28.34
1939-08-11		-28.20
1939-07-28		-28.02
1939-07-14		-27.67
1939-06-30		-27.30
1939-06-16		-26.52
1939-06-02		-24.41
1939-05-19		-24.42
1939-05-05		-24.44
1939-04-21		-24.52
1939-03-31		-24.41
1939-03-17		-24.51
1939-03-03		-24.49
1939-02-17		-24.45
1939-02-03		-24.44
1939-01-20		-24.68
1939-01-06		-24.55
1938-12-23		-24.81

Date	Feet below Surface	Feet to Sealevel
1941-01-18		-26.25
1941-01-04		-26.03
1940-12-21		-26.21
1940-12-07		-26.16
1940-11-23		-26.17
1940-11-09		-26.23
1940-10-26		-26.13
1940-10-12		-26.06
1940-09-28		-26.01
1940-09-14		-25.92
1940-08-31		-25.76
1940-08-17		-25.66
1940-08-03		-25.75
1940-07-20		-25.68
1940-07-06		-25.52
1940-06-22		-25.65
1940-06-08		-25.57
1940-05-25		-25.55
1940-05-11		-25.51
1940-04-27		-25.51
1940-04-13		-25.38
1940-03-30		-25.53
1940-03-16		-25.60
1940-03-02		-25.67
1940-02-17		-25.66
1940-02-03		-25.68
1940-01-20		-25.70
1940-01-06		-25.68
1939-12-23		-25.91
1939-12-09		-25.84
1939-11-25		-25.75
1939-11-11		-25.70
1939-10-28		-25.99
1939-10-14		-25.71
1939-09-30		-25.94
1939-09-15		-26.30
1939-09-01		-27.89
1939-08-18		-28.25
1939-08-04		-28.12
1939-07-21		-27.94
1939-07-07		-27.59
1939-06-23		-27.00
1939-06-09		-25.65
1939-05-26		-24.46
1939-05-12		-24.51
1939-04-28		-24.49
1939-04-15		-24.35
1939-03-24		-24.40
1939-03-10		-24.49
1939-02-24		-24.36
1939-02-10		-24.43
1939-01-27		-24.64
1939-01-13		-24.65
1938-12-30		-24.63
1938-12-16		-24.86

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1938-12-09		-24.78	1938-12-02		-24.91
1938-11-25		-24.86	1938-11-18		-24.86
1938-11-11		-24.76	1938-11-04		-24.86
1938-10-28		-24.86	1938-10-21		-24.76
1938-10-14		-24.70	1938-10-07		-24.75
1938-09-30		-24.45	1938-09-23		-24.66
1938-09-16		-24.93	1938-09-09		-24.85
1938-09-02		-24.84	1938-08-26		-24.81
1938-08-19		-24.81	1938-08-12		-24.78
1938-08-05		-24.60	1938-07-29		-24.64
1938-07-22		-24.70	1938-07-15		-24.64
1938-07-08		-24.60	1938-07-01		-24.59
1938-06-28		-24.52	1938-06-21		-24.46
1938-06-14		-24.51	1938-06-07		-24.36
1938-05-21		-24.44	1938-05-14		-24.42
1938-05-07		-24.40	1938-04-30		-24.39
1938-04-23		-24.48	1938-04-16		-24.52
1938-04-09		-24.01	1938-04-02		-24.39
1938-03-26		-24.23	1938-03-19		-24.41
1938-03-12		-24.31	1938-03-05		-24.20
1938-02-26		-24.48	1938-02-19		-24.52
1938-02-04		-24.61	1938-01-28		-24.74
1938-01-21		-24.66	1938-01-14		-24.71
1938-01-07		-24.48	1937-12-31		-24.66
1937-12-24		-24.76	1937-12-18		-24.65
1937-12-11		-24.86	1937-12-04		-24.84
1937-11-27		-24.88	1937-11-20		-24.89
1937-11-13		-25.12	1937-11-08		-24.94

28
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000829538**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404254073585701		
Monloc name:	NY 53		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7151024
Longitude:	-73.9820833	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	48
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E29
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000829064**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404209073570601		
Monloc name:	K 29. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7026027
Longitude:	-73.9512491	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	78
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 66

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1939-03-24		-24.57	1939-03-12		-24.72
1939-03-10		-24.62	1939-03-03		-24.59
1939-02-24		-24.54	1939-02-17		-24.52
1939-02-10		-24.50	1939-02-03		-24.54
1939-01-27		-24.80	1939-01-20		-24.78
1939-01-13		-24.68	1939-01-06		-24.70
1938-12-30		-24.76	1938-12-23		-24.88
1938-12-16		-24.94	1938-12-02		-25.00
1938-11-25		-24.97	1938-11-18		-24.89
1938-11-11		-24.69	1938-11-04		-24.89
1938-10-28		-24.88	1938-10-21		-24.85
1938-10-14		-24.85	1938-10-07		-24.77
1938-09-30		-24.67	1938-09-16		-25.10
1938-09-09		-24.94	1938-09-02		-24.96
1938-08-26		-24.86	1938-08-19		-24.93
1938-08-12		-24.89	1938-08-05		-24.83
1938-07-22		-24.84	1938-07-15		-24.79
1938-07-08		-24.61	1938-07-01		-24.63
1938-06-11		-24.41	1938-06-04		-24.43

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1938-05-28		-24.40
1938-05-07		-24.34
1938-04-23		-24.43
1938-04-09		-23.90
1938-03-19		-24.32
1938-03-05		-24.09
1938-02-19		-24.59
1938-02-04		-24.76
1938-01-21		-24.73
1938-01-07		-24.65
1937-12-24		-24.75
1937-12-11		-24.90
1937-11-27		-24.89
1937-11-13		-24.63

Date	Feet below Surface	Feet to Sealevel
1938-05-21		-24.46
1938-04-30		-24.37
1938-04-16		-24.47
1938-03-26		-24.07
1938-03-12		-24.18
1938-02-26		-24.48
1938-02-12		-24.44
1938-01-28		-24.88
1938-01-14		-24.82
1937-12-31		-24.78
1937-12-18		-24.63
1937-12-04		-24.89
1937-11-20		-24.88
1937-11-08		-24.81

Map ID Direction Distance		Database	EDR ID Number
1 **SE** **1/4 - 1/2 Mile**		**OIL_GAS**	**NYOG70000000029**

Api wellno:	31061236030000	Cnty:	New York
Hole:	23603	Sidetrck:	0
Completion:	0		
Well nm:	MPP - 5		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/28/2005	Dt spud:	03/28/2001
Dt comp:	01/18/2001	Well typ:	Stratigraphic
Dtd:	645		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.95824		
Yloc:	40.70885		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	None Specified	Elevation:	19
Dt mod:	04/26/2006	Site id:	NYOG70000000029

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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SUBSOIL
INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

November 25, 2013

99 S. 5th Street – Owner
c/o MDG Design & Construction, LLC
1328 New York Avenue
Huntington Station, NY 11746
Attn: Jennifer Monaghan

RE: 99 S. 5th Street
Brooklyn, NY
Job #13-702

Gentlemen:

Forwarded herewith are the logs of the borings and test pits for geotechnical services provided earlier.

Our investigation consisted of the drilling of five (5) test borings and the digging of three (3) test pits at the locations shown on our Boring Location Plan.

The borings were advanced using truck mounted and trailer mounted drill rigs utilizing hollow stem auger casing. Sample recovery for Borings B1-B4 were obtained using a standard 2"-diameter, 2'-long split spoon sampler. The spoon was advanced using a CME automatic trip hammer. Sample recovery for Boring B-5 was obtained by advancing the standard split spoon sampler using conventional rope, cathead and drop weight. From the drops of the hammer, blow counts required to advance the split spoon sampler over each 6" increment were recorded and are shown on our boring logs. A written description of the recovered soil sample per our geologist's visual identification of same is also presented on the log.

The CME automatic trip hammer operates with an efficiency of approximately 90%. The original conventional use of rope, cathead, and drop weight, on the other hand, operates with an efficiency of approximately 60%. As a consequence, the standard penetration test results obtained using the CME automatic trip hammer are on the order of two-thirds the value that would have been obtained had the original rope and cathead method been used. This is significant if you are using design charts for soil strength parameters based on historical data associated with the rope and cathead method. If so, you should adjust our data accordingly.

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

99 S. 5th Street – Owner
c/o MDG Design & Construction, LLC
Attn: Jennifer Monaghan

November 25, 2013
Page 2

The test pits were dug using a rubber tire mounted backhoe.

Our investigation revealed that the areas drilled were blanketed by from 2' to 11' of fill consisting of sand, silt, gravel, roots, brick and other miscellaneous materials. The fill was, in turn, underlain by a moderately dense to very dense sand formation with varying amounts of silt and gravel extending down to the deepest depths drilled.

No ground water was encountered in any of the boreholes at the time the work was done.

The site profile generated by this investigation best fits that of Site Class D.

Liquefaction is not likely with this site and, therefore, need not be a design consideration.

All soils below the fill will satisfactorily support foundation loads of 2 tons per square foot.

The test pits were dug to determine the foundation depths and details at the project's adjoining buildings. A profile of each of the test holes illustrates the observed conditions, details and depths of the adjoining foundations.

Soil samples recovered during drilling operations will be stored in our lab for a period of 30 days, after which they will be destroyed. During this period we will deliver these samples to any prescribed location upon request.

If after you examine the enclosed you have any further questions, please feel free to call and discuss them with us.

Billing is enclosed.

Very truly yours,

SOIL MECHANICS DRILLING CORP.

Vincent Nantista, P.E.
Vice President

VN/lm
Encs.

PILLORI ASSOCIATES, P.A.
Geotechnical Engineering

March 12, 2015
Via Email: swilliams@procidacompanies.com

LPC Development Group, LLC
105 South 5th Street,
Brooklyn, New York

C/o Procida Construction Corp.
456 East 173rd Street
Bronx, New York 10457

Attn: Ms. Sarah Williams

Re: Percolation Test Report
105 South 5th Street, Brooklyn, New York

Dear Ms. Williams:

Presented herein are the results of the percolation testing for the seepage field located at the rear of the referenced property. The percolation testing was performed inside boring B-1, which was located within the footprint of the proposed seepage field – see Boring Location Plan attached. The boring was drilled by Warren George Inc. between the dates of March 05 and 06, 2015. The boring was drilled using truck mounted drill rig to completion depth of 52 feet below the existing grade. In the boring, Standard Penetration Tests (SPTs) were performed at regular 5-foot intervals in accordance with procedures specified in ASTM D-1586.

Full-time engineering supervision was provided by Pillori Associates to locate the boring in the field, direct drilling and sampling procedures, and perform the percolation testing. At the conclusion of the fieldwork, the SPT soil samples were delivered to our soil laboratory for re-examination and further classification. The individual sample classifications were combined according to soil group and geologic origin, and their descriptions were recorded on finalized log of the boring. The final log of the boring and the field data from the percolation testing are also attached to this report.

Falling head permeability testing was performed within the boring at depths of 3 feet and 10 feet below the existing grade. Both tests were located above the measured groundwater table. The test procedures included saturating the test stratum through the drill casing, and then re-filling the casing with water measuring the rate of fall at regular time intervals. The results of the percolation tests are presented in the following table.

Table 1 – Permeability Rates

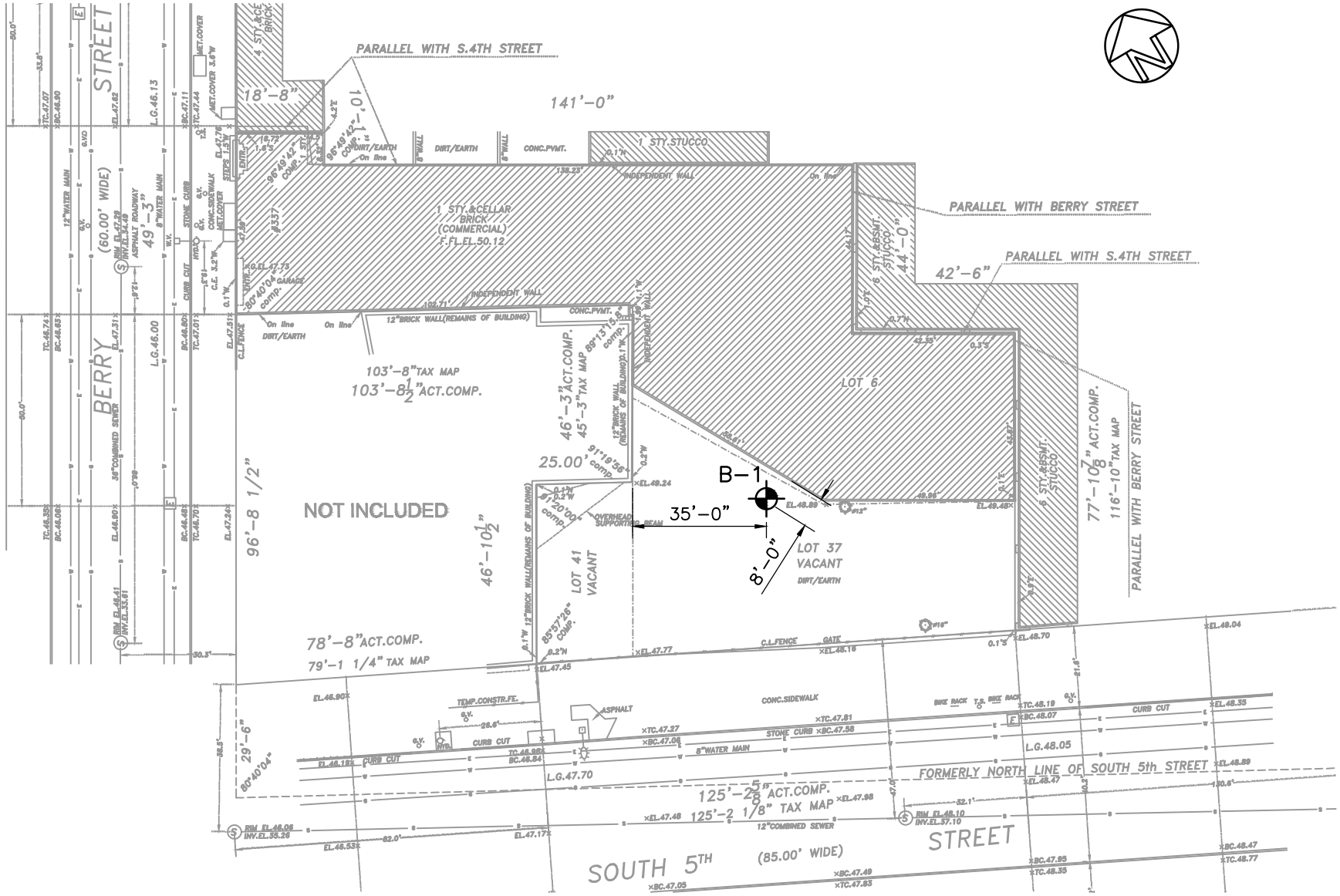
Location	Test Depth (ft)	Test Stratum	Test Time (Min.)	Permeability Coefficient K (cm/sec)
B-1	3.0	Fill	1	0.00020
B-1	3.0	Fill	5	0.00081
B-1	3.0	Fill	10	0.00061
B-1	3.0	Fill	15	0.00049
B-1	3.0	Fill	20	0.00041
B-1	3.0	Fill	25	0.00041
B-1	3.0	Fill	30	0.00041
B-1	10.0	Glacial Soil SM (3b)	1	0.00084
B-1	10.0	Glacial Soil SM (3b)	5	0.00034
B-1	10.0	Glacial Soil SM (3b)	10	0.00034
B-1	10.0	Glacial Soil SM (3b)	15	0.00034
B-1	10.0	Glacial Soil SM (3b)	20	0.00034
B-1	10.0	Glacial Soil SM (3b)	25	0.00031
B-1	10.0	Glacial Soil SM (3b)	30	0.00028

Thank you for the opportunity to be of service, if you have any questions or if we can be of further assistance please call.

Sincerely,

Gregory Pillori

Pillori Associates



LEGEND

B-1 BORING LOCATION

SCALE: 1" = 40'

Title: BORING LOCATION PLAN

Project: 105 South 5th Street
Brooklyn, New York

PILLORI ASSOCIATES, P.A.
Geotechnical Engineering
71 Route 35, Laurence Harbor, NJ 08879
333 Meadowlands Pkwy, Ste 102, Secaucus, NJ 07094

Date: 03/09/2015

Job No.: 141109

Dwg No. 1

Project: **105 South 5th Street**
Brooklyn, New York
Date: 03/05/2015 to 03/06/2015
Contractor: Warren George, Inc.

Boring No.: B-1
Sheet: 1 of 1
Ground El: 49.25±
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
	S2	16-14-15-14	F	Fill: Black brown coarse to fine Sand, little Silt, little coarse to fine Gravel, w/misc. debris	FILL (7) 3'0"
5	S3	15-11-14-17		Red brown medium to fine Sand, some Silt, little medium to fine Gravel	46.25 SM (3b)
10	S6	11-11-13-17			13'0"
15	S7	20-21-29-29		Brown coarse to fine Sand, some Silt, trace fine Gravel, trace Clay	36.25
20	S8	26-37-33-22			
25	S9	30-32-39-37	GD		SM (3a)
30	S10	56-100/1"		Brown coarse to fine Sand, some Silt, some medium to fine Gravel	
35	S11	26-29-41-35			
40	S12	35-35-51-44			43'0"
45	S13	23-28-38-34		Brown coarse to fine Sand, trace Silt, some medium to fine Gravel	6.25 SW (3a)
50	S14	24-18-14-15		End of Boring	52'0" -2.75

Falling Head Permeability Tests Above the Groundwater Table
Falling Head Permeability Tests Less than 5 feet Below the Groundwater Table

Location	105 S 5th Street, Brooklyn NY
Borough	Brooklyn
Job #	141109
Boring #	B-1
Date	3/5/15
Test depth	3' + 2' Stickup
Field engineer	Amit Desai

For tests above the GWT, H_1 = Total length of casin	5	Time (Minutes)	(A) Dist. From Top of Casing to Water Level in Casing	$H_2 = H_1 - A$ (ft)
(feet)				
For tests below the GWT:				
(1) Depth of groundwater table from ground surface				
(2) Casing stick-up				
H_1 = **(1)** + **(2)**				
		0	0"	5.00
5.416E-05		15	1"	4.92
4.769E-05		30	1.75"	4.85
		0	0"	5.00
2.018E-04		1	0.25"	4.98
8.089E-05		5	0.5"	4.96
6.080E-05		10	0.75"	4.94
4.870E-05		15	0.9"	4.93
4.062E-05		20	1"	4.92
4.070E-05		25	1.25"	4.90
4.079E-05		30	1.5"	4.88

$$k = \frac{pi \times D}{11 \times (t_2 - t_1)} \times \ln(H_1/H_2) = \frac{pi \times 4'' \times 2.54cm/in}{11 \times (t_2 - t_1)} \times \ln(H_1/H_2) = \frac{2.90}{t_2 - t_1} \times \ln(H_1/H_2) \text{ cm/sec}$$

where t is the time in seconds

k_{T1} =

k_{T2} =

Falling Head Permeability Tests Above the Groundwater Table
Falling Head Permeability Tests Less than 5 feet Below the Groundwater Table

Location	105 S 5th Street, Brooklyn NY
Borough	Brooklyn
Job #	141109
Boring #	B-1
Date	3/5/15
Test depth	11' + 1' Stickup
Field engineer	Amit Desai

For tests above the GWT, H_1 = Total length of casin	12	Time (Minutes)	(A) Dist. From Top of Casing to Water Level in Casing	$H_2 = H_1 - A$ (ft)
(feet)				
For tests below the GWT:				
(1) Depth of groundwater table from ground surface				
(2) Casing stick-up				
H_1 = **(1)** + **(2)**				
		0	0"	12.00
4.507E-05		15	2"	11.83
5.115E-05		30	4.5'	11.63
		0	0"	12.00
8.398E-05		1	0.25"	11.98
3.362E-05		5	0.5"	11.96
3.368E-05		10	1"	11.92
3.374E-05		15	1.5"	11.88
3.380E-05		20	2"	11.83
3.045E-05		25	2.25"	11.81
2.822E-05		30	2.5"	11.79

$$k = \frac{pi \times D}{11 \times (t_2 - t_1)} \times \ln(H_1/H_2) = \frac{pi \times 4'' \times 2.54cm/in}{11 \times (t_2 - t_1)} \times \ln(H_1/H_2) = \frac{2.90}{t_2 - t_1} \times \ln(H_1/H_2) \text{ cm/sec}$$

where t is the time in seconds

k_{T1} =

k_{T2} =

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			GROUP SYMBOLS (ASTM D2487)	TYPICAL DESCRIPTIONS
COARSE-GRAINED SOIL MORE THAN 50% RETAINED ON NO.200 SIEVE*	GRAVEL 50% OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVEL	GW	WELL- GRADED GRAVEL & GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY GRADED GRAVEL & GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVEL WITH FINES	GM	SILTY GRAVEL, GRAVEL SAND CLAY MIXTURES
			GC	CLAYEY GRAVEL, GRAVEL SAND CLAY MIXTURES
	SANDS MORE THAN 50% OF COARSE FRACTION PASSES NO. 4 SIEVE	CLEAN SAND	SW	WELL-GRADED SAND & GRAVELLY SAND, LITTLE OR NO FINES
			SP	POORLY GRADED SAND & GRAVELLY SAND, LITTLE OR NO FINES
		SAND WITH FINES	SM	SILTY SAND, SAND-SILT MIXTURES
			SC	CLAYEY SAND, SAND-CLAY MIXTURES
FINE-GRAINED SOIL 50% OR MORE PASSING NO.200 SIEVE*	SILT & CLAY LIQUID LIMIT LESS THAN 50%		ML	INORGANIC SILT, VERY FINE SAND, ROCK FLOUR, SILTY OR CLAYEY FINE SAND
			CL	INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAY, SANDY CLAY, SILTY CLAY, LEAN CLAY
			OL	ORGANIC SILT & ORGANIC SILTY CLAY OF LOW PLASTICITY
	SILT & CLAY LIQUID LIMIT GREATER THAN 50%		MH	INORGANIC SILT, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT, ELASTIC
			CH	INORGANIC CLAY OF HIGH PLASTICITY, FAT CLAY
			OH	ORGANIC CLAY OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOIL			PT	PEAT, MUCK & OTHER HIGHLY ORGANIC SOIL

* BASED ON MATERIAL PASSING THE 3" (75MM) SIEVE

GRADATION**

TERM	% BY WEIGHT		
TRACE	1	TO	10
LITTLE	10	TO	20
SOME	20	TO	35
AND	35	TO	50

COMPACTNESS**
(SAND AND/OR GRAVEL)

TERM	% RELATIVE DENSITY		
LOOSE	0	TO	40
MEDIUM DENSE	41	TO	70
DENSE	71	TO	90
VERY DENSE	91	TO	100

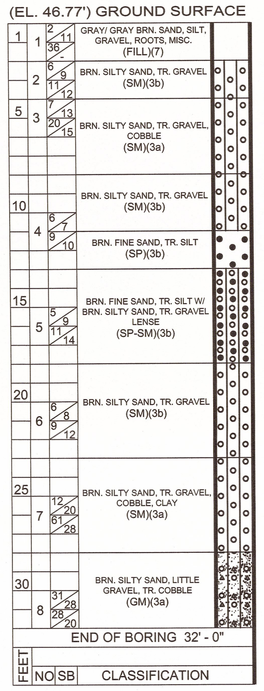
CONSISTENCY**
(CLAY AND/OR SILT)

SHEAR STRENGTH TERM	TONS/SQ.FT.		
SOFT	LESS THAN 0.25		
FIRM	0.25	TO	0.5
STIFF	0.5	TO	1.0
VERY STIFF	1.0	TO	2.0
HARD	OVER 2.0		

** VALUES ARE FROM LABORATORY OR FIELD TEST DATA, WHERE APPLICABLE, WHEN NO TESTING WAS PERFORMED VALUES ARE ESTIMATED.

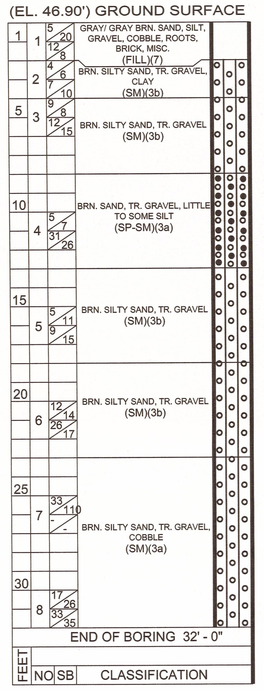
B-1

(EL. 46.77') GROUND SURFACE



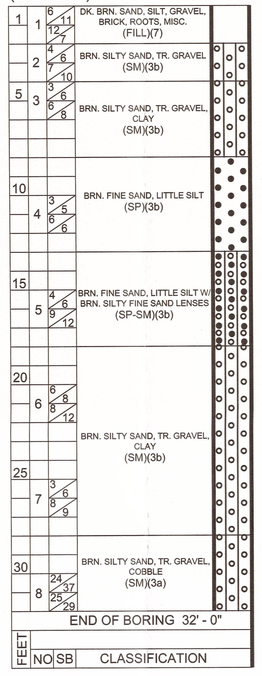
B-2

(EL. 46.90') GROUND SURFACE



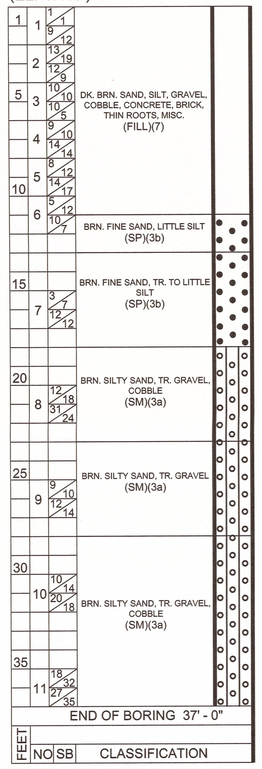
B-3

(EL. 47.57') GROUND SURFACE



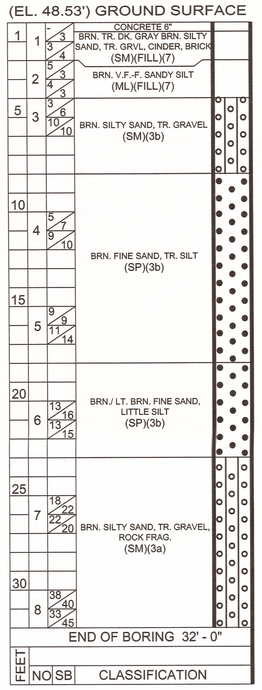
B-4

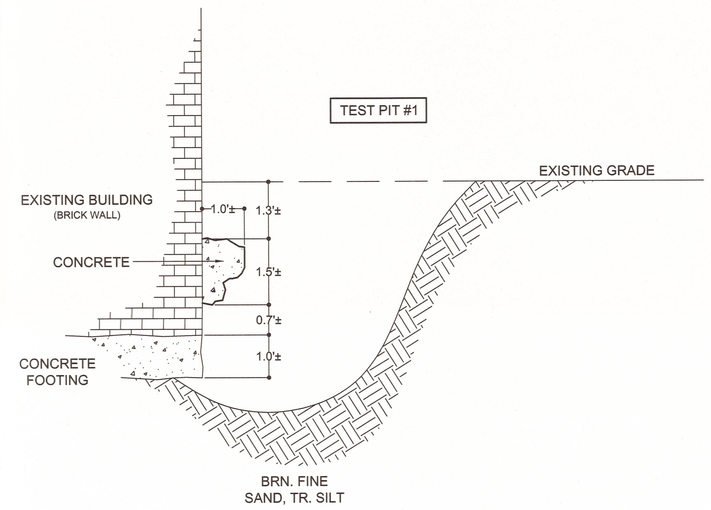
(EL. 47.13') GROUND SURFACE

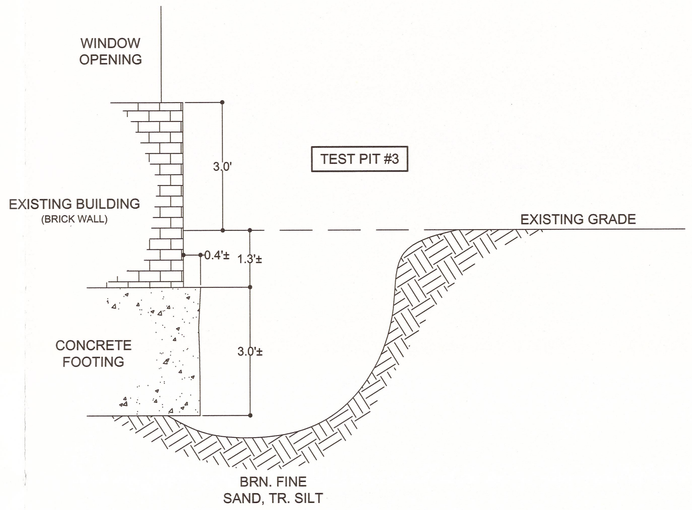


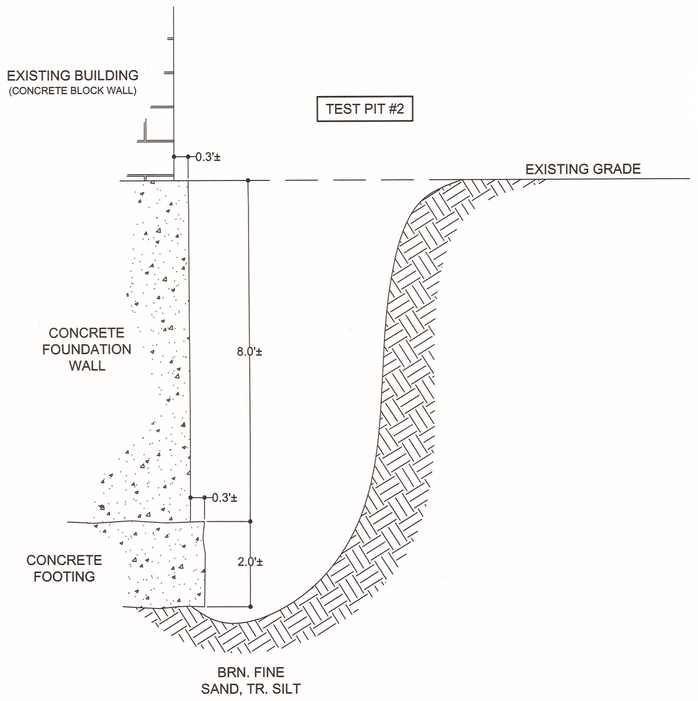
B-5

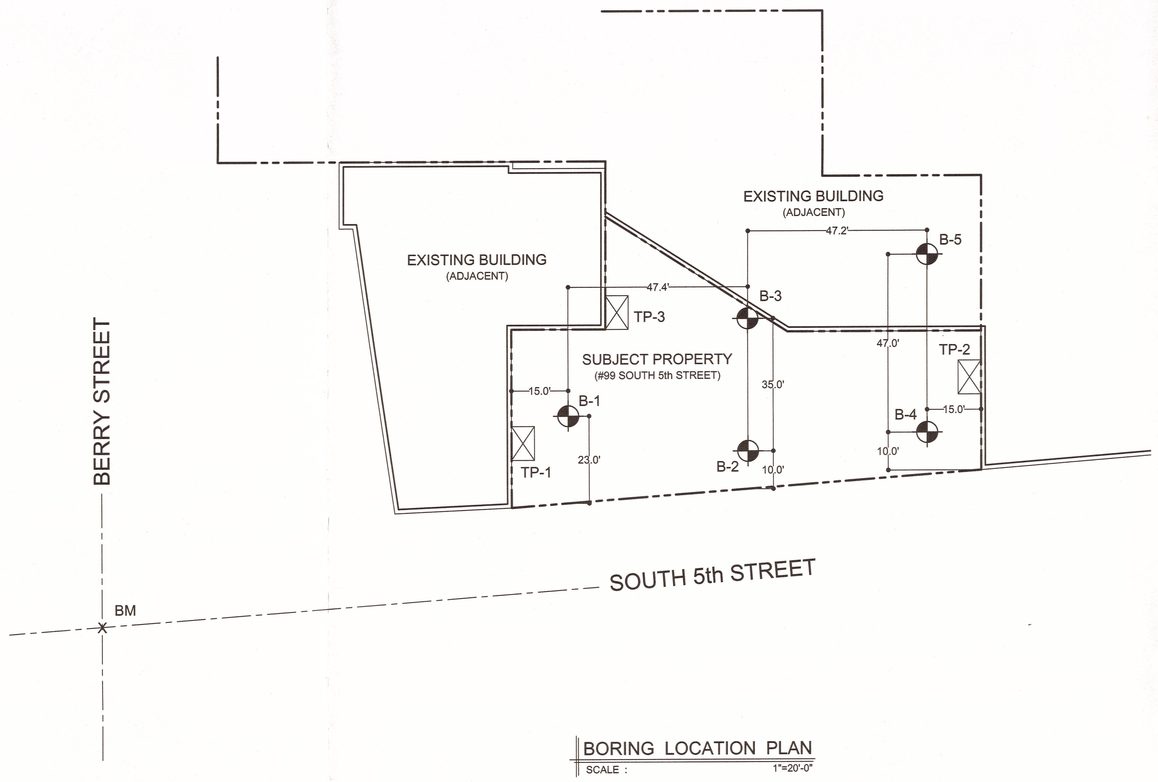
(EL. 48.53') GROUND SURFACE











BORING LOCATION PLAN

SCALE : 1"=20'-0"

UNIFIED SOIL CLASSIFICATION

SOIL GROUPS	TYPICAL NAMES AND SOIL SYMBOLS
GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES. LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURE
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURE
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND - SILT MIXTURES
SC	CLAYEY SANDS, SAND - CLAY MIXTURES
ML	INORGANIC SILTS, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1

CLASS OF MATERIALS (Notes 1 & 3) ★	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (kPa)
1. BEDROCK (NOTES 2 & 7) ★		
1a HARD SOUND ROCK - GNEISS, DIABASE, SCHIST	60	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE	40	3,830
1c INTERMEDIATE ROCK - SHALE, SANDSTONE	20	1,915
1d SOFT ROCK - WEATHERED ROCK	8	766
2. SANDY GRAVEL & GRAVEL (GW, GP) (NOTES 3, 4, 6, & 9) ★		
2a DENSE	10	958
2b MEDIUM	6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)(NOTES 4, 5, 8, & 9)★		
3a DENSE	6	575
3b MEDIUM	3	287
4. CLAYS (SC, CL, & CH)(NOTES 4, 6, 8, & 9) ★		
4a HARD	5	479
4b STIFF	3	287
4c MEDIUM	2	192
5. SILTS & SILTY SOILS (ML & MH)(NOTES 4, 8, & 9) ★		
5a DENSE	3	287
5b MEDIUM	1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANULAR SOILS, & VARVED SILTS	SEE 1804.2.1 ★	SEE 1804.2.1 ★
7. CONTROLLED & UNCONTROLLED FILLS	SEE 1804.2.2 OR 1804.2.3 ★	SEE 1804.2.2 OR 1804.2.3 ★

★ REFER TO SECTION 1804.2 OR NOTES FOLLOWING TABLE 1804.1 IN THE N.Y.C. BUILDING CODE FOR ADDITIONAL INFORMATION.

COMPACTION RELATED TO SPOON BLOWS PER FOOT

SAND & SILT		CLAY	
LOOSE	LESS THAN 10	SOFT	LESS THAN 4
MEDIUM	10 TO 30	MEDIUM	4 TO 8
DENSE	GREATER THAN 30	STIFF	GREATER THAN 8 TO 30
		HARD	GREATER THAN 30

" N " STANDARD PENETRATION TEST - ASTM D 1586 (2" SPOON, 140lb HAMMER, 30" FALL)

N=17 BLOWS PER FOOT — SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE TO OBTAIN BLOWS PER FOOT (N) USE THE 2ND & 3RD 6" INCREMENT

	ROTARY CASING	EXTRA HEAVY CASING	SAMPLE SPOON
SIZES, INCHES	2.5		2.0
HAMMER WEIGHT, POUNDS			140
HAMMER FALL, INCHES			30

CB - CASING BLOWSPER 1 FOOT DRIVE
SB - SPOON BLOWS PER 6 INCH DRIVE
P - PUSHED BY WEIGHT OF HAMMER
WOR - WEIGHT OF ROD
UD - UNDISTURBED SOIL SAMPLE
NO - SAMPLE NUMBER
FEET - DEPTH FROM GND. SUR. NOTED AT EACH 5'
WOH - WEIGHT OF HAMMER (INCLUDES ROD)

THE LIABILITY OF SOIL MECHANICS DRILLING CORP., ITS OFFICERS OR EMPLOYEES, FOR ERRORS, OMISSIONS OR NEGLIGENCE RESULTING IN PERSONAL INJURIES, PROPERTY DAMAGE OR ANY CONSEQUENTIAL DAMAGES, IS LIMITED TO THE AMOUNT OF THE FEE PAID FOR THIS REPORT. THE RETENTION OR USE OF ANY PART OF THIS REPORT WILL CONSTITUTE AN ACCEPTANCE OF THIS LIMITED LIABILITY. IF THIS IS UNACCEPTABLE, THE CLIENT MUST NOTIFY SOIL MECHANICS DRILLING CORP. IN WRITING BY CERTIFIED MAIL, WITHIN SEVEN DAYS FROM THE DATE OF RECEIPT. THE FEE CHARGED FOR THIS REPORT IS BASED ON THIS LIMITATION OF LIABILITY WHICH IS THE ESSENCE OF THIS AGREEMENT.IF THE CLIENT WANTS A HIGHER LIMITATION OF LIABILITY, SOIL MECHANICS DRILLING CORP., WILL NEGOTIATE ONE, BASED UPON A HIGHER FEE BEING CHARGED FOR THE ADDITIONAL ASSUMPTION OF LIABILITY. SOIL MECHANICS DRILLING CORP., ITS OFFICERS OR EMPLOYEES, HAVE NO LIABILITY OR RESPONSIBILITY TO PERSONS OTHER THAN THE CLIENT FOR WHOM THIS REPORT WAS PREPARED. ANYONE, OTHER THAN OUR CLIENT, RELIES ON THIS REPORT AT THEIR OWN RISK.

NOTES:

1. - SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
2. - SOIL DESCRIPTIONS ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
3. - NO GROUND WATER WAS ENCOUNTERED TO THE LOWEST DEPTH DRILLED.
4. - SOIL STRATIFICATIONS ARE ACCURATE TO WITHIN TWO FEET VERTICALLY.
5. - ELEVATIONS WERE REFERENCED TO B.M. - TOP OF CURB AT POINT OF CURVATURE. ASSUMED ELEVATION AT 100.0' .
6. - SOIL SAMPLES FOR BORINGS #1-#4 WERE OBTAINED USING A CENTRAL MINE EQUIPMENT (CME) AUTOMATIC TRIP HAMMER, SOIL SAMPLES FOR BORING #5 WERE OBTAINED USING A TRIPOD MOUNTED CATHEAD, ROPE, & HAMMER.
7. - BORINGS DRILLED ARE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE REQUIREMENTS.

De NARDIS ENGINEERING, LLC
#151 RESERVOIR ROAD, WHITE PLAINS, NEW YORK 10603

SOIL MECHANICS DRILLING CORP.
subsoil investigations
3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 - 221-2333

#99 SOUTH 5th STREET

-SUBSURFACE INVESTIGATION-

BROOKLYN, NEW YORK

PROJECT: #99 SOUTH 5th STREET, BROOKLYN, NEW YORK

BORING PLAN (GROUND SURFACE)

SEAL & SIGNATURE: STATE OF NEW YORK, VINCENT NAPOLI, 43097, LICENSED PROFESSIONAL ENGINEER

VERTICAL BORING SCALE: 1/4"=1'-0"	DRAWING DATE: NOVEMBER 20, 2013		DRAWING NUMBER: 13L702-5
DATES OF BORING: OCTOBER 28th & NOVEMBER 19, 2013	DWN. BY: JMR	CKD. BY: VN	SHEET 1 OF 1.

DATE:	NOVEMBER 20, 2013
PROJECT No:	13L702-5
DRAWING BY:	JMR
CHK BY:	VN
DWG No:	B-001.00
	1 OF 1

Appendix B

Health and Safety Plan

Project Name: 105 South 5th Street
Project Number: 2014074

EQUITY ENVIRONMENTAL ENGINEERING, LLC
227 Route 206, Building 1, Suite 6
Flanders, New Jersey 07836

SITE-SPECIFIC HEALTH AND SAFETY PLAN

Address: 105 South 5th Street Brooklyn, New York 11201

Plan Revisions

Number	Date	Initials
1	5/6/15	RLJ
2		
3		
4		

Faron Moser _____ _____
Site Supervisor (SS) Date

Robert Jackson _____ _____
Project Manager (PM) Date
Health and Safety Officer
Plan Preparer

Neha Gautam _____ _____
Alternate Health & Safety Officer Date

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FORMS

Job Safety & Health Protection
HASP Sign-off
Equipment Calibration Log
Sampling Log
Heat Stress Monitoring Log
Daily Sign In/Sign Out
Daily Safety Meeting Log
Accident Injury Report
Vehicle Accident Report
Material Safety Data Sheets

Introduction

This Site-Specific Health and Safety Plan (HASP) has been prepared by Equity Environmental Engineering, LLC (Equity) to summarize the work related health and safety hazards at the subject site (105 South 5th Street, Brooklyn, New York) and the requirements and procedures to protect its employees from them. This plan meets or exceeds the requirements of Occupational Safety and Health Administration (OSHA), 29 CFR 1910.120, for a site-specific health and safety plan.

This plan was designed to reduce the potential for occupational illness or injury resulting from working at this site. The purpose of the HASP is to inform Equity's employees of the health and safety risks present at this site, and the proper methods of protecting themselves from those risks. Each worker must be fully aware of the risks associated with the work to be accomplished, and be dedicated to completing that work safely.

Existing and potential hazards at this site have been identified. As new information becomes available, this HASP will be revised. Standard practices and procedures of industrial hygiene, occupational health, safety, and environmental protection are prescribed in this plan, which was prepared and reviewed by experienced professionals.

Equity employees who work on this site must read the HASP and sign the form included in this plan, to indicate that they understand the plan's contents, and agree to comply with its provisions. Anyone who cannot, or will not comply with this HASP will be excluded from on-site activities. Violations of this HASP or any applicable federal, state, or local health and safety regulations should be reported immediately to the Site Supervisor (SS), or to Equity's Health & Safety Officer (HSO).

This HASP will be readily available so workers can reference it when necessary.

Site Information

Location: 105 South 5th Street, Brooklyn, NY 11201

Current Site Information:

The subject property currently consists of a multi-story building located at 105 South 5th Street (Block 2443 /Lots 6, 37 and 41) in Brooklyn. This is an initial investigation of the subject property.

Location/Class: [X] Industrial [ ] Commercial [ ] Urban/Residential
[ ] Suburban [ ] Rural

Site Regulatory Status: [ ] CERCLA/SARA [ ] US EPA [ ] NYCDEP
[ ] NPL [ ] RCRA [ ] NJ ISRA
[X] Other (OER) [ ] Not Regulated

Operations or Tasks to be Performed, and Approximate Duration of Each:

1- **Subsurface geophysics survey**
2- **Installation and sampling of soil borings, soil-gas points and monitoring wells.**

Surrounding Population/Structures:

The area surrounding the subject property is mixed residential and commercial/industrial.

Site and Surrounding Topography:

The topography is generally flat.

Known or Suspected Pathways of Contaminant Dispersion:

None

Emergency Shower, Eyewash and First Aid Equipment Located at:

Eyewash and emergency shower will be available.

First aid provided by emergency services (911).

Personnel On-Site trained in First Aid:

1. N. Gautam
2. F. Moser
3. B. Jackson
4. P. Jaran
5.
6.
7.
8.

Emergency Medical Care

Hospital

Hospital Name: SUNY Downstate Medical Center Telephone #: 888-270-7869

Address: 450 Clarkson Ave, Brooklyn, NY 11203

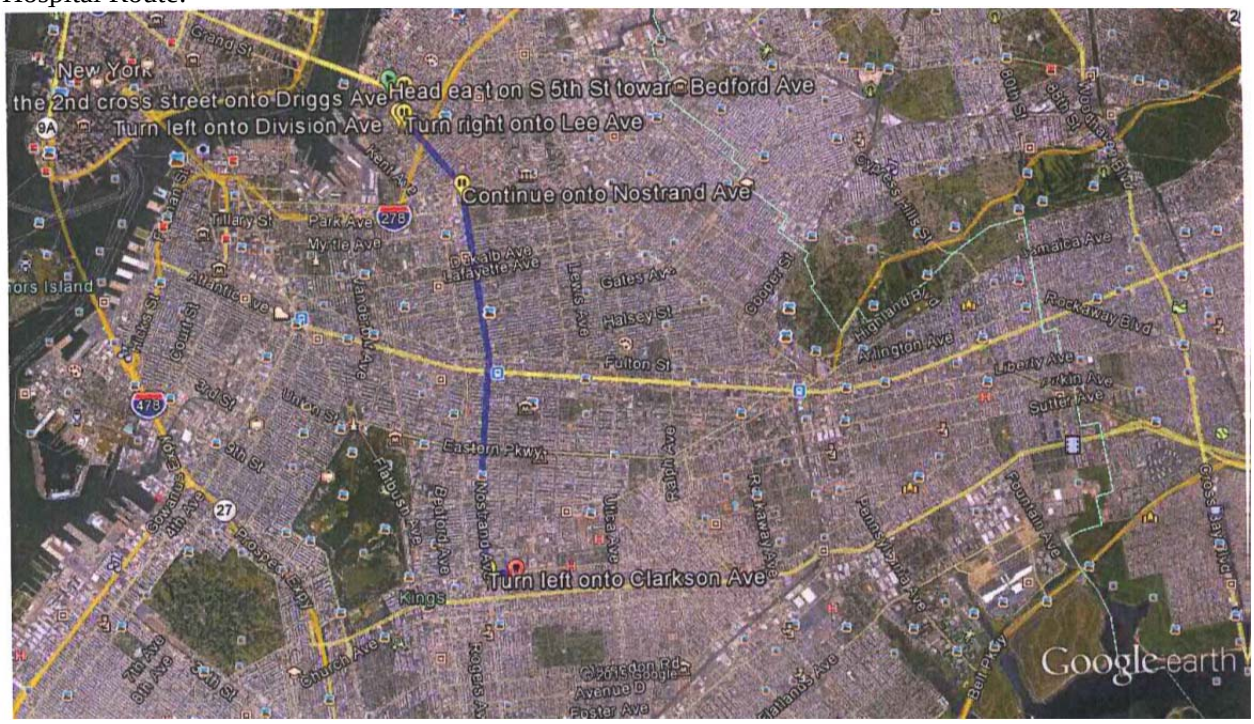
Contact: Operator Telephone #: 888-270-7869

Type of Service (X) Physical Trauma Only

( ) Physical Trauma and Chemical Exposure

( ) Available 24 Hours

Hospital Route:



1. Head east on S 5th St 0.1 mi
2. Turn right onto Driggs Ave 0.2 mi
3. Turn left onto Division Ave 0.2 mi
4. Turn right onto Lee Ave 0.7 mi
5. Continue onto Nostrand Ave 3.1 mi
6. Turn left onto Clarkson Ave – 0.2 mi

Hospital route information has been provided to satisfy OSHA requirements (29 CFR 1910.120). **However, where 911-emergency service and/or transport is available, Equity personnel are strictly prohibited from transporting accident victims in either company or personal vehicles.

Transporting the injured in non-emergency vehicles increases the potential for motor vehicle accidents during transit to the hospital and further injury to the victim. Also, the victims' condition can worsen during transit. As a result, transportation in non-emergency vehicles can delay or even prevent treatment by trained emergency personnel during a critical time. Employees must remain at the site of the accident, administer appropriate first aid, and await the arrival of **trained emergency and/or rescue personnel.**

Emergency Contacts

	Town	**Phone**
Fire Department	NYC	911
Police Department	NYC	911 / (212) 334-0611
Site Contact	Equity Personnel	(973) 641-0825
Site Telephone	Equity Personnel	(973) 641-0825
Nearest Telephone	Equity Personnel	TBD
First Aid/EMS	NYC	911
Federal Agency Representative	NA	NA
State Agency Representative	NA	NA
Local Agency Representative	NA	NA
Pesticide Poisoning	NA	(800) 845-7633
NY Poison Control Center	State-wide	(212) 764-7667
CHEM TREC	Washington, DC	(800) 424-9300
Utility	**Company Name**	**Phone**
Water Supply	NYC DEP	*
Sewer	NYC DEP	*
Power	Con Edison	*
Telephone	*	*
Gas	National Grid	*
NY One Call	NY	811

* NY One Call will supply this information

Equity Environmental Engineering LLC Emergency Contact List
Cell Phone Numbers

Peter Jaran	(973) 479-2381
Bob Jackson	(973) 641-0825
Faron Moser	(201) 341-1323
Neha Gautam	(201) 916-3416

Key Project Personnel

The following describes the project position assignments, associated responsibilities, and reporting relationships.

Position	Job Description	Interactions
Project Manager (PM)	Responsible for technical and administrative performance of the project. Supports Site Supervisor and is available to him at all times. Will visit the site periodically, or as necessary. Reports progress of project on a regular basis. Assigns key personnel, and identifies, requests, secures, and monitors use of resources for project. Approves program expenditures and invoices.	Reports directly to Managing Director. Works closely with Site Supervisor.
Site Supervisor (SS)	Acts as point of contact for client and client's representative(s). Supervises all on-site personnel and subcontractors. Coordinates daily site-specific work efforts, and ensures all activities are in strict compliance with site-specific health and safety plan. Has authority to suspend all work that possesses any health and safety risk. Briefs subordinate technical personnel on task requirements. Identifies and resolves technical problems. Provides periodic review of project progress.	Reports directly to Project Manager.
Health & Safety Officer (HSO)	Develops, implements, and enforces the on-site safety program. Oversees all health and safety aspects of project, conducts periodic audits to ensure compliance. Available at all times to discuss project progress and health and safety related issues.	Reports directly to Managing Director. Works closely with Project Manager, and Site Supervisor.
Onsite Health Physicist	Implementing the radiation safety at the Site with authorization to stop work due to unsafe acts, unsafe conditions, non-compliance and/or non-implementation of the Safety Plan and/or applicable safety and health requirements; performs the proper operation of radiation monitoring equipment; conducts radiation surveys; and notifies anomalies to the site supervisor.	Reports directly to Site Supervisor.

Equity is the entity responsible for managing health and safety for its employees at this site. Key project personnel are as follows:

Project Manager: HSO	Robert Jackson Name	973-527-7451/974-641-0825 Telephone / Cellular Number
Site Supervisor:	Faron Moser Name	973-527-7451/201-341-1323 Telephone / Cellular Number
Alternate SSO:	Neha Gautam	973-527-7451/201-916-3416 Telephone / Cellular Number

Medical Surveillance and Training Dates for Authorized Personnel

Employee	Medical Exam	OSHA 8-Hr.	Site Supervisor Training	Respirator Fit Test
Bob Jackson	12/12/14	11/11/2013	9/27/2004	12/13/2012
Peter Jaran	12/16/14	11/11/2013		12/13/2012
Faron Moser	4/1/2014	1/28/2014		
Neha Gautam	3/4/2014	6/25/2013		

Task Identification

Tasks covered under this plan:

Task #	Description
1	Surface geophysics Survey
2	Installation of soil borings, soil-gas points and monitoring wells
3	Collection of soil, soil-gas and groundwater samples.

Off-site tasks planned? No

Describe:

Chemical Hazards

Task No.(s)	Chemical Name (or class)	PEL	TLV	Other Pertinent Limits (specify)	Primary Hazard			SDS Attached (Y/N)
					Ingestion	Dermal	Inhalation	
2, 3	Isobutylene (PID Calibration Gas)	250 ppm	250 ppm					Y

PEL – OSHA Permissible Exposure Limit: the maximum allowable 8-hour time weighted average (TWA) exposure concentration.
TLV – ACGIH Threshold Limit Value: the recommended 8-hour TWA exposure concentration.
STEL – ACGIH or OSHA Short-term Exposure Limit: the maximum allowable 15-minute TWA exposure concentration.
Ceiling – OSHA and Cal-OSHA Ceiling Limit: the maximum exposure concentration above, which an employee shall not be exposed during any period without respiratory protection.
IDLH – Immediately Dangerous to Life and Health: the concentration at which one could be exposed for 30 minutes without experiencing escape-impairing or irreversible health effects.

Physical and Biological Hazards

Hazard	Yes	No	Task No.(s)	Hazard	Yes	No	Task No.(s)
Electrical (overhead lines)		X	1,2,3	Uneven Terrain		X	
Electrical (underground lines)	X		1,2,3	Unstable Surfaces	X		1,2,3
Gas Lines	X		1,2,3	Elevated Surfaces		X	
Water Lines	X		1,2,3	Lightning	X		1,2,3
Drilling Equipment	X		1,2,3	Rain	X		1,2,3
Excavation Equipment	X		1,2,3	Snow	X		1,2,3
Power Tools	X		1,2,3	Liquefied/Pressurized Gases		X	
Heat Exposure	X		1,2,3	Lifting Equipment		X	
Cold Exposure	X		1,2,3	Vermin	X		1,2,3
Oxygen Deficiency		X		Insects	X		1,2,3
Confined Spaces		X		Disease-causing organisms	X		1,2,3
Noise	X		1,2,3	Others, e.g., marine sampling (specify)		X	
Ionizing Radiation		X					
Non-Ionizing Radiation		X					
Fire	X		1,2,3				
Explosive Atmospheres		X					
Shoring	X		1,2,3				
Scaffolding		X					
Holes/Ditches	X		1,2,3				
Steep Grades		X					
Slippery Surfaces	X		1,2,3				

Risk Analysis

Task #	Substance	Concentration (if known)	Risk*
1,2,3	Isobutylene (PID Calibration Gas)		1

*Risk
0 – No Risk
1 – Slight Risk
2 – Moderate Risk
3 – Dangerous Conditions/Caution
4 – High Risk
5 – Extremely Dangerous

General Safety Rules

1. If an employee must work alone, he/she must call his/her supervisor twice a day. If the supervisor is unavailable, that supervisor's supervisor must be contacted.

2. Workers must wear all personal protective equipment required for the tasks to be performed.

3. Horseplay or practical jokes are forbidden on the job.

4. Compressed air must not be used to blow dirt from clothing, or played with or blown at another person.

5. Drinking of alcoholic beverages or the use of drugs on the job is prohibited. Their use will cause immediate dismissal from the site.

6. All areas must be continually cleaned to maintain good housekeeping. Trash is to be piled neatly and removed promptly. All tools and work areas are to be kept in clean and safe condition.

7. Competent workers must do welding and cutting.

8. Ladders are to be of proper design and tied off while in use. Do not go up or down a ladder without the free use of both hands. Use a rope to lift or lower materials or tools. Always face a ladder when climbing or descending.

9. Every work site must have a complete first aid kit.

10. **ALL** accidents must be investigated and reported. Use the Accident Investigation Form in the back section of this plan.

11. Injuries sustained while on duty must be reported to supervisor immediately, or as soon as possible after injury is sustained.

12. Explosives must be handled and transported by licensed people only.

13. All tools and electrical equipment must be in proper working order.

14. Clothing appropriate to the duties performed shall be worn by all workers. Large pockets, loose jewelry, cuffed trousers and loose or torn clothing are dangerous and should not be worn around machinery, or when climbing ladders, or working on structures.

Heat Stress

Site employees will be trained to recognize signs of heat stress. The Site Supervisor will maintain a log of all site employees exposed to temperature extremes, showing the work and rest times as well as worker monitoring results. Appropriate rest periods will be provided to help site workers accommodate to temperature extremes.

Signs and Symptoms of Heat Stress

- **Heat rash** may result from continuous exposure to heat or humid air.
- **Heat cramps** are caused by heavy sweating with inadequate electrolyte replacement. Signs and symptoms include:
  - muscle spasms
  - pain in the hands, feet and abdomen
- **Heat exhaustion** occurs from increased stress on various body organs, including inadequate blood circulation due to cardiovascular insufficiency or dehydration. Signs and symptoms are:
  - pale, cool, moist skin
  - heavy sweating
  - dizziness
  - nausea
  - fainting
- **Heat stroke** is the most serious form of heat stress. Temperature regulation fails and the body temperature rises to critical levels. Immediate action must be taken to cool the body before serious injury and death occurs. Competent medical help must be obtained. Signs and symptoms are:
  - red, hot, usually dry skin
  - lack of reduced perspiration
  - nausea
  - dizziness and confusion
  - strong, rapid pulse
  - coma

Measures to Avoid Heat Stress

- Establish work-rest cycles (short and frequent are more beneficial than long and seldom).
- Identify a shaded, cool rest area.
- Rotate personnel, alternate job functions.
- Water intake should be equal to the sweat produced. Most workers exposed to hot conditions drink less fluids than needed because of an insufficient thirst. DO NOT DEPEND ON THIRST TO SIGNAL WHEN AND HOW MUCH TO DRINK. For an 8-hour workday, 50 ounces of fluids should be drunk.
- Eat lightly salted foods or drink salted drinks such as Gatorade to replace lost salt.
- Save most strenuous tasks for non-peak hours, such as the early morning or at night.
- Avoid alcohol during prolonged periods of heat. Alcohol will cause additional dehydration.

Site personnel should monitor their pulse rate as an indicator of heat strain by the following method:

At the beginning of the rest period, count the radial pulse during a 30-second period. If the rate exceeds 110 beats per minute, lengthen the rest period by one-third. If the heart rate still exceeds 110 beats per minute at the end of the rest period, shorten the next work cycle by one-third.

Cold Stress

Equity will provide appropriate rest periods to help site workers accommodate to temperature extremes. Site employees will be trained to recognize signs of cold stress.

Measures to Avoid Cold Stress

- Wear multi-layer clothing (the outer most layer should be of wind-resistant fabric)
- Drink warm fluids
- Work in pairs
- Avoid heavy sweating

Cooling Power of Wind on Exposed Flesh Expressed as Equivalent Temperature (under calm conditions)*

Estimated Wind Speed (in mph)	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60
	Equivalent Chill Temperature (°F)											
Calm	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60
5	48	37	27	16	6	-5	-15	-26	-36	-47	-57	-68
10	40	28	16	4	-9	-24	-33	-46	-58	-70	-83	-95
15	36	22	9	-5	-18	-32	-45	-58	-72	-85	-99	-112
20	32	18	4	-10	-25	-39	-53	-67	-82	-96	-110	-121
25	30	16	0	-15	-29	-44	-59	-74	-88	-104	-118	-133
30	28	13	-2	-18	-33	-48	-63	-79	-94	-109	-125	-140
35	27	11	-4	-20	-35	-51	-67	-82	-98	-113	-129	-195
40	26	10	-6	-21	-37	-53	-69	-85	-100	-116	-132	-148
(Wind speeds greater than 40 mph have little additional effect).	LITTLE DANGER In <hr. with dry skin. Maximum danger of false sense of security.				INCREASING DANGER Danger from freezing of exposed flesh within one minute.				GREAT DANGER Flesh may freeze within 30 seconds.			
	Trench foot and immersion foot may occur at any point on this chart											

* Developed by U.S. Army Research Institute of Environmental Medicine, Natick, MA

The Site Supervisor will maintain a log of all site employees exposed to temperature extremes, showing the work and rest times as well as environmental monitoring results.

Employee Training Program

All personnel performing work in areas on this site covered by this HASP must have completed the appropriate training requirements specified in 29 CFR 1910.120(e). Each individual must have completed an 8-hour refresher-training course and/or initial 40-hour training course within the last two years prior to performing any intrusive work on this site covered by this HASP. Records that demonstrate that all persons subject to the training requirements have actually met them will be maintained either on site or in the project file. The Project Manager and/or Supervisor are responsible for verifying compliance of the project team with these rules.

Prior to commencement of on-site activities, a site safety meeting will be held to review the specific information and requirements of this HASP. HASP sign-off sheets will be collected at the end of this meeting.

Site Specific Training (when applicable) will include:

- Explanation of the overall site HASP.
- Health and safety personnel and organization.
- Brief site history.
- Special attention to signs and symptoms of overexposure to known and suspected site contaminants.
- Health effects of site contaminants.
- Air monitoring description.
- Physical hazards associated with the project.
- Selection, use and limitations of available safety.
- Personal hygiene and decontamination.
- Respirator face-piece fit testing.
- PPE use and maintenance.
- Site rules and regulations.
- Work zone establishment and markings.
- Site communication.
- Emergency preparedness procedures.
- Equipment decontamination.
- Medical monitoring procedures.
- Contingency plan.

Prior to work, each Equity employee will attend the contractor's health and safety orientation, if applicable. In addition, Equity's employees will review health and safety items specific to the tasks to be performed that were not covered in the contractor's orientation.

Site Health and Safety Meetings

In addition, the Site Supervisor will meet daily with all Equity employees prior to beginning work on site. The agenda of the meeting will include a review of important elements of this plan, any special safety items, and a discussion of the emergency response procedures. Also, everyone will agree on a schedule for periodic meetings, (for example, before beginning work each day), to review the effectiveness of this plan and make changes as necessary. If significant changes at the site occur, special meetings will be scheduled.

Training Records

The Site Supervisor will complete a report of the daily safety meetings, using the form in the back section of this plan, and all attending the meeting will sign the Daily Safety Meeting Log.

The training status of contractor and subcontractor employees will be verified that their training criteria meets the requirements specified in 29 CFR 1910.120(e). A copy of all training certificates will be kept for Equity personnel working at the site.

Personal Protective Equipment (PPE) Requirements

Task No.(s)	Level of Protection (A – D)*	Level of Upgrade	PPE Suit	PPE Gloves	PPE Feet	PPE Head	PPE Eye	PPE Ear	PPE Respirator	Additional PPE for Upgrade
1,2,3	D	NA	Std	N	Steel	HH	Glasses	Plugs	NA	

SUIT

Std = Standard Work Clothes
Tyvek = Uncoated Tyvek Disposal Coverall
PE Tyvek = Polyethylene-coated Tyvek
Saranex = Saranex-laminated Tyvek
PVC Suite = PVC Raingear

GLOVES

Work = Work Gloves (canvas, leather)
Neo = Neoprene Gloves
PVC = PVC Gloves
N = Nitrile Gloves
V = Vinyl Gloves
L = Latex Gloves

FEET

Steel = Steel-toe shoes or boots
Steel+ = Steel-toe shoes or boots & PVC boots
Booties = PVC booties

HEAD

HH = Hardhat

EYE

Glasses = Safety glasses
Goggles = Goggles
Shield = Face shield

EAR

Plugs = Earplugs
Muff = Ear muffs

RESPIRATOR

APR = Air purifying respirator
Full APR = Full face APR
Half APR = Half face APR
SAR = Airline supplied air respirator
SCBA = Self-contained breathing apparatus
Escape = Escape SCBA
OV = Organic Vapor Cartridge
AG = Acid Gas Cartridge
OV/AG = Organic Vapor/Acid Gas Cartridge
AM = Ammonia Cartridge
Dust/Mist = Dust/Mist pre-filter and cover for cartridge
HEPA = High efficiency particulate air filter cartridge

* For unspecified volatile organics (based on 1-minute breathing zone measurement using PID or OVA):

Up to 1 ppm above background	Level D
1 – 5 ppm above background	Level C
5 – 500 ppm above background	Level B
500 ppm above background	Level A

** Earplugs will be available on-site, but are not required

Suggested Levels of Protection

Level "D" Protection

1. Coveralls (optional)
2. Gloves
3. Boots/shoes – steel toe
4. Boots (outer) chemical resistant (disposable- if required)
5. Safety glasses or chemical splash goggles
6. Hard hat (safety shield if required)

Level "C" Protection

1. Full-face, air-purifying, canister-equipped respirator (NIOSH/MSHA approved)
2. Chemical resistant clothing (coveralls; hooded, two-piece, chemical splash suit; chemical resistant hood & apron; disposable, chemical-resistant coveralls)
3. Coveralls
4. Gloves (outer) chemical-resistant
5. Gloves (inner) chemical-resistant
6. Boots (outer) chemical-resistant
7. Boots (inner) steel toe
8. Hard hat (face shield)
9. Escape mask
10. Two-way radio

Level "B" Protection

1. Pressure/Demand SCBA (MSHA-NIOSH approved)
2. Chemical resistant clothing (overalls and long-sleeved jacket; coveralls; hooded, one- or two-piece chemical splash suite; disposable, chemical-resistant coveralls)
3. Coveralls
4. Gloves (outer) chemical-resistant
5. Gloves (inner) chemical-resistant
6. Boots (outer) chemical-resistant
7. Boots (inner) steel toe
8. Hard hat (face shield)
9. Two-way radio

Level "A" Protection (Equity does not perform work in Level A PPE)

1. Pressure/Demand SCBA (MSHA-NIOSH approved)
2. Fully encapsulating, chemical-resistant suit
3. Coveralls
4. Gloves (outer) chemical-resistant
5. Gloves (inner) chemical-resistant
6. Boots, chemical-resistant, steel toe (depending on suit construction, work over or under suit boot)
7. Hard hat (under suit)
8. Two-way radio

Medical Surveillance

Requirements

All Equity employees covered by this HASP, who engage in site activities governed by 29 CFR 1910.120 for 30 or more days per year, must meet the medical surveillance requirements specified in 1910.120(f). Therefore, such personnel must have completed occupational medical baseline or surveillance examination, performed by a licensed physician, within the last 24 months. The medical examination includes the following components:

- Personal Medical Questionnaire
- Occupational Exposure History
- Physical Examination
- Vision Testing
- Spirometry
- Audiometry
- Blood Chemistry Panel (e.g., SMAC-20)
- Complete Blood Count with Differential
- Urinalysis
- Chest X-Ray (every two years at a minimum)
- Electrocardiogram (at physician's discretion)

Examinations are required upon hiring, termination, and exposure to substances at or above the PEL.

Results of the examinations are communicated directly from the physician to the employee. Medical records for Equity's employees are kept by the Company and the employee

Monitoring Requirements

Monitoring is to be conducted by the Site Supervisor, or his/her designee. Copies of monitoring results and calibration logs will be filed with the HASP.

Monitoring is designed to assess exposure to employees during site activities, and to determine if PPE is required and adequate to assure protection. Because investigation and remediation activities at hazardous waste sites are of an inconsistent nature, it is not possible to assign a monitoring protocol that excludes, or is not directly dependent upon, professional judgment in determining when monitoring is required to assess exposure. Thus, the following generic protocol must be followed at a minimum, and should be modified to be more conservative (e.g., require more monitoring) if deemed necessary by the Site Supervisor or HSO. Under no conditions will the required frequency be decreased.

At a minimum, air monitoring will be conducted before and during each task or activities for which air monitoring has been designated. If airborne concentrations of contaminants reach action levels based on observations with the direct reading instruments, then the appropriate PPE upgrade or work stoppage order will be enforced by the Site Supervisor. In case a work stoppage order is given, the area must be cleared of all personnel immediately.

The use of action levels and the basis for the selection of monitoring equipment is explained as follows:

Action levels determine:

(1) the PPE to be used by site workers
(2) their ability to remain and work in the exclusion zone

The selection of the specified monitoring equipment is based on

(1) the nature of the contaminants
(2) the likely concentrations of the contaminants
(3) the probable duration of exposure
(4) the relative sensitivity of the monitoring equipment to the specific contaminants

The following summarizes the calibration requirements for the air monitoring instruments used at the site:

Instrument	Calibration Frequency
PID: Mini RAE-3000 (or equivalent)	Beginning of each work shift

Air Monitoring and Contaminant Action Levels

Task No.(s)	Location	Contaminant	Monitoring Equipment	Monitoring Frequency	Action Level Concentration	
					Mandatory Respirator Use	Mandatory Work Stoppage
1,2,3	Work Areas	Volatile Organic	PID: Mini-Rae	Periodically during all tasks/activities.	NA	10 ppm above background in breathing zone

PID = Photoionization Detector (e.g., Multi-Rae, Mini-Rae, HNU, TIP, OVM)
FID = Flame Ionization Detector (e.g., OVA)
LEL-O_2 = Explosivity and Oxygen Meter

Name(s) of individual(s) responsible for performing the monitoring, and certifying the results:
All Equity personnel

Type, make and model of instruments used: Mini-Rae 3000 (or equivalent) PID Gas Monitor

Method and frequency of calibration:

- 100 ppm isobutylene-calibration gas. Calibrated prior to each day's use according to manufacturer's instruction.
- The calibration of all radiation survey instrumentation will be conducted using calibration standards traceable to the National Bureau of Standards, All instruments used for surveys will be calibrated every six months and after instrument repair when required. All instrument calibrations will be performed by the original manufacturer or a qualified vendor. Instruments will be response checked to a known source of radiation prior to and after field use.

Procedures for Handling Anticipated Wastes

Waste Generation

Anticipated: Yes___X___ No ____

Types: Liquid ___X__Solid ___X_ Sludge _____Gas _____

Quantity: Expected volume of each type: Field determined

This project ____ will __X__ will not generate hazardous wastes. These wastes will be:
_____ stored _____ treated
__ transported ___ manifested in accordance with NYS and federal regulations.

Any soil and/or groundwater produced from sampling activities will remain onsite.

Packaging requirements for waste material:

_____
_____
_____
_____

Spill Prevention and Response

Potentially hazardous spill situations can be mitigated by using containment devices and materials in work areas. If site conditions are suitable, earthen berms will be constructed around specific areas. If site conditions are not suitable for this, or the potential spill is smaller, barriers will be constructed with sorbent materials such as "speedi-dry", sorbent booms and/or straw bales. Dikes and berms will also be used to divert stormwater run-on and run-off away from critical zones.

Because a spill cleanup must be conducted under crisis conditions, it is important that the methods used for dealing with a spill be thought out beforehand. However, the steps followed cannot be inflexible, because no two spills are identical. Factors that will be assessed in the event of any and all spills include:

1. The volume of the hazardous substance released and the rate of release.
2. The nature of the spill material.
3. What danger exists to personnel in the immediate area.
4. Nature of damage and possibilities of repair.
5. If the transfer of material to an alternate containment is advisable.
6. Feasibility of the construction of a containment dike.
7. Nature of spill area.
8. Whether the spilled substance has reached a watercourse or sewer.
9. Danger of explosion or fire.
10. Equipment and supplies necessary to confine the material and carry out the cleanup.

In most cases, the success of a cleanup operation is dependent upon the time it takes to contain the spill. Therefore, Equity's first attempt at spill containment will be at the point of discharge. This can often be accomplished by closing valves, reinforcing or repairing damaged containers, moving or changing the position of fallen or ruptured containers, or emptying the container by pumping to a temporary storage or holding vessel. Pumps, suction hoses and containers will be available to recover spilled materials when directed to do so by the Site Supervisor.

Handling and transport of drummed waste always must be conducted in a controlled and safe manner, which will minimize damage to structurally sound drums, repacks and overpacks. If leakage or spillage of waste occurs, the drum must immediately be placed within an overpack unit. Overpack units must be provided at each staging area, at areas of existing drums, and along all site roadways.

Task/Work Area	Potential Spill or Discharge	Equipment, Materials, and Procedures for Spill Cleanup
Soil excavation	Hydraulic fluid from drill rig	Pads/Speedy Dry

Emergency Procedures

Potential emergencies that may arise are most likely to be associated with physical hazards from heavy equipment operation and/or lifting and loading of debris. Emergency response will, in most cases, be performed in Level D protection.

Modifications to these emergency procedures may be necessary after the actual site set-up, based on prevailing conditions. Periodic reviews of these procedures will be performed by the Site Supervisor to ensure that they are appropriate for all anticipated emergencies.

Responsibilities

The Site Supervisor has the authority and responsibility to commit company resources to appropriately respond to an emergency, and to exclude all personnel not directly responding to the emergency.

Prior to beginning work at the site, Equity will designate an employee, usually the Site Supervisor, to be responsible for initiating any emergency response actions. In the event an injury or illness requires more than first aid treatment, the Site Supervisor (or alternate) will accompany the injured person to the hospital, and will remain with the person until release, admittance is decided, or another Equity staff relieves them of this responsibility.

Evacuation Plan

The basic elements of an emergency evacuation plan include employee training, escape routes, escape procedures, critical operations or equipment, rescue and medical duty assignments, designation of responsible parties, emergency reporting procedures and methods to account for all employees after evacuation.

When appropriate, wind direction will be discussed during the daily safety briefing to all on-site personnel by the Site Supervisor to indicate possible routes of upwind escape. Work-area entrance and exit routes will be planned, and emergency escape routes will be delineated by the Site Supervisor. The discovery of any condition that would suggest the existence of a situation more hazardous than anticipated, will result in the evacuation of the team and a re-evaluation of the hazard and the level of protection required. This re-evaluation will be conducted by appropriate on-site health and safety personnel in coordination with the HSO

In the highly unlikely event that barrels, canisters, or chemical gases or vapors are uncovered during site work, the following procedures shall be followed:

1) In the event that barrels, canisters, or any other vessels are encountered during excavation, all work shall immediately cease and all workers to be removed from the area. The Site Supervisor shall be immediately notified, and he/she shall identify vessel contents, handling procedures and storage and disposal techniques prior to starting work.

2) In the event that high concentrations of gases or vapors are detected, the following actions will be taken:

    - Remove all workers from the area
    - Monitor gas or vapor concentrations to determine the type of respiratory protection that will be required before workers reenter the area.

3) In the highly unlikely event of a major leak of toxic gas, such as might occur if a compressed gas cylinder were ruptured during excavation or drilling, all on-site personnel will be evacuated to a safe distance. The HSO and Emergency services will be contacted immediately and the risk will be assessed prior to restarting work.

Training

Employees will be instructed in the specific aspects of emergency evaluation applicable to the site as part of the site safety meeting prior to the commencement of all on-site activities. On-site refresher or update training is required anytime escape routes or procedures are modified or personnel assignments are changed. During the site safety meeting, all employees will be trained in, and reminded of the location of this plan, the procedures outlined in this plan, and the communication systems and evacuation routes used during an emergency.

On a continuous basis, individual employees should be constantly alert for indicators of potentially hazardous situations, and for signs and symptoms in themselves and others that warn of hazardous conditions and exposures. Rapid recognition of dangerous situations can avert an emergency. In the event of any emergency that necessitates an evaluation of the site, on-site personnel will be notified by the use of car horns sounded in regularly spaced, repeated blasts, as detailed in the next section of this procedure. The Site Supervisor will control the site until the appropriate local or state agency representatives arrive, if required. He will also contact the HSO.

Alarm Systems Emergency Signals

The simplest and most effective emergency communication system, in any situation, is direct voice communications. Voice communications will be supplemented anytime voices cannot be clearly perceived above ambient noise levels (e.g., noise from heavy equipment, drilling rigs or backhoes0, and anytime a clear line-of-sight cannot be easily maintained among all site personnel because of distance, terrain, or other obstructions. When voice communications must be supplemented, the following emergency signals, using car horns, will be used.

- One Horn Blast: General Warning

One blast is used to signal relatively minor, but important events on site. An example would be a minor chemical spill where there is no immediate damage to life or health, yet personnel working on site should be aware of the situation so unnecessary problems are avoided. If one horn blast is sounded, personnel must stop all activity and equipment on site and await further instruction from the Site Supervisor.

- Two Horn Blasts: Medical Emergency

Two blasts are used to signal a medical emergency where immediate first aid or emergency medical care is required. If two horn blasts are sounded, all first aid and CPR trained personnel should respond, as appropriate. All other activity and equipment should stop, and personnel should await further instructions from the Site Supervisor.

- Three Horn Blasts Followed by One Continuous Blast: Immediate Danger to Life or Health

Three blasts followed by another extended or continuous horn blast signals a situation that could present an immediate danger to the life or health (IDLH) to all employees on site. Examples of possible IDLH situations could include fires, explosions, hazardous chemical spills or releases, hurricanes, tornadoes, blizzards or floods. If three horn blasts followed by a continuous blast are sounded, all activity and equipment must stop, and all personnel must evacuate the site to an appropriately designated site located outside the site gate, or further off site if necessary. (Note: unless otherwise specified, all decontamination procedures must be implemented.) All personnel must be accounted for by the Site Supervisor, and other response actions determined by the Site Supervisor must be followed.

Employees on site will use the "buddy" system (pairs). Buddies should pre-arrange hand signals or other means of emergency communication in case radios cannot be used, or if the radios no longer operate. The following had signals are suggested:

1. Hand gripping throat: out of air, can't breathe.
2. Grip partner's wrist or place both hands around waste: leave area immediately, no debate.
3. Hand on top of head: need assistance.
4. Thumbs up: OK, I'm alright, I understand.
5. Thumbs down: No, negative.

Visual contact will be maintained between employee pairs. Team members will remain in close proximity to each other in order to provide assistance in case of emergencies, and will inform each other of any of the following effects of exposure to site contamination:

- headaches
- dizziness
- blurred vision
- cramps
- irritation of eyes, skin or respiratory tract

If any member of the work crew experiences any adverse symptoms while on site, the entire work crew will immediately stop work and follow the instructions provided by the Site Supervisor.

Medical Treatment/First Aid

Community emergency services (EMS, fire, and police) will be notified immediately if their resources are needed on site. If necessary, the injured or sick party shall be taken to the nearest hospital.

Emergency Reporting

Any incident (other than minor first aid treatment) resulting in injury, illness or property damage will be reported to Equity. An incident investigation will be initiated as soon as emergency conditions are under control. The purpose of this investigation is not to attribute blame but to determine the pertinent facts so that repeat or similar occurrences can be avoided.

The investigations will begin while details are fresh in the mind of all involved. The person administering first aid may be able to start the fact gathering process if the injured are able to speak. Pertinent facts must be determined. Questions beginning with who, what, when, where, and how are usually most effective to discover ways to improve job performance in terms of efficiency, quality of work, as well as safety and health concerns.

On-Site Evacuation Plan –A series of repeated blasts is the signal for all Equity personnel and subcontractors to evacuate the site and assemble at:

To be determined at the beginning of each field event

The criteria for activating the alarm will be the first sign of any serious problem that requires assistance or evacuation. Should either a fire or explosion occur, all personnel will proceed immediately to the evacuation assembly point and await further instructions. At that time a personnel check will be conducted to determine if anyone is missing, and the local fire and police departments will be called for assistance. Once on site, the acting officer of the fire department and the Site Supervisor will determine if further evacuations are necessary. No Equity personnel will re-enter the site without clearance from the fire/police department and Site Supervisor. Subcontractor

Safety It has been and shall continue to be the policy of Equity that employees of all subcontractors are required to adhere to all applicable company, local, state, and federal safety rules and regulations.

When an infraction of a local, state, federal, or company safety regulation is observed, the Site Supervisor will request verbally that the subcontractor's supervisory personnel correct the infraction immediately. If correction is not made, then the project manager will request in writing that proper corrective action be taken. Subcontractors who continue to ignore proper safety procedures will have payments withheld until compliance is achieved or be terminated.

Subcontractors are required to hold safety meetings for their employees when they are working on Equity projects, and submit documentation of such meetings to the Project Manager. At a minimum they shall have specific safety procedures for proper use of all heavy equipment such as excavators, drilling rigs, etc., on site during the project. Subcontractor employees are required to attend Equity's safety meetings.

Forms

Job Safety & Health Protection

The Occupational Safety and Health Act of 1970 provides job safety and health protection for workers by promoting safe and healthful working conditions throughout the Nation. Provisions of the Act include the following:

Employers

All employers must furnish to employees' employment and a place of employment free from recognized hazards that are causing or are likely to cause death or serious harm to employees. Employers must comply with occupational safety and health standards issued under the Act.

Employees

Employees must comply with all occupational safety and health standards, rules, regulations and orders issued under the Act that apply to their own actions and conduct on the job.

The Occupational Safety and Health Administration (OSHA) of the U.S. Department of Labor has the primary responsibility for administering the Act. OSHA issues occupational salary and health standards, and its Compliance Safety and Health Officers conduct job site inspections to help ensure compliance with the Act.

Inspection

The Act requires that a representative of the employer and a representative authorized by the employees be given an opportunity to accompany the OSHA inspector for the purpose of aiding the inspection.

Complaint

Employees or their representatives have the right to file a complaint with the nearest OSHA office requesting an inspection. If they believe unsafe or unhealthful conditions exist in their workplace. OSHA will withhold, on request, names of employees complaining.

The Act provides that employees may not be discharged or discriminated against in any way for filing safety and health complaints or for otherwise exercising their rights under the Act.

Employees who believe they have been discriminated against may file a complaint with their nearest OSHA office within 30 days of the alleged discriminatory action.

Citation

If upon inspection OSHA believes an employer has violated the Act, a citation alleging such violations will be issued to the employer. Each citation will specify a time period with which the alleged violation must be corrected.

The OSHA citation must be prominently displayed at or near the place of alleged violation for three days, or until it is corrected, whichever is later, to warn employees of dangers that may exist there.

Proposed Penalty

The Act provides for mandatory penalties against employers of up to $1,000 for each serious violation and for optional penalties of up to $1,000 for each non-serious violation. Penalties of up to $1,000 per day may be proposed for failure to correct violations within the proposed time period. Also, any employer who willfully or repeatedly violates the Act may be assessed penalties of up to $10,000 for each such violation.

There are also provisions for central penalties. Any willful violation resulting in death of an employee, upon conviction, is punishable by a fine of up to $250,000 (or $500,000 if the employer is a corporation), or by imprisonment for up to six months or both. A second conviction of an employer doubles the possible term of imprisonment.

Voluntary Activity

While providing penalties for violation, the Act also encourages efforts by labor and management before an OSHA inspection, to reduce workplace hazards voluntarily and to develop and improve safety and health programs in all workplaces and industries. OSHA's Voluntary Protection Programs recognize outstanding efforts of this nature.

OSHA has published Safety and Health Program Management Guidelines to assist employers in establishing or perfecting programs to prevent or control employee exposure to workplace hazards. There are many public and private organizations that can provide information and assistance in this effort if requested. Also, your local OSHA office can provide considerable help and advice on saving safety and health problems or can refer you to other sources for help such as training.

Consultation

Free assistance in identifying and correcting hazards and in improving safety and health management is available to employers, without citation or penalty, through OSHA-supported programs in each State. These programs are usually administered by the State of Labor or Health Department or a State University.

Under provisions of Title 29, Code of Federal Regulations, part 1903.2(s)(1) employers must post this notice (or facsimile) in a conspicuous place where notices to employees are customarily posted.

HASP Sign-Off Form

INSTRUCTIONS: Site personnel are required to read, understand, and agree to the provision of the plan. Personnel are required to sign this form indicating agreement. The original of this form is maintained by the Project Manager, and becomes part of the permanent site project files upon completion of site work.

Site Name: South 5th Street

Location: 105 South 5th Street, Brooklyn, New York

Project Name and Number: 2014074

I have read, understand, and agree to comply with the provisions of this HASP for work activities on this site.

Name	Signature	Company/Agency	Date

Equipment Calibration Log

Operator Name:_____ Instrument Notice:_____

Signature:_____ Serial Number:_____

Date	Time	Concentration	Comments

Sampling Log

Operator Name:_____ Instrument Notice:_____

Signature:_____ Serial Number:_____

Was the equipment calibrated? _____ Yes _____ No

Date	Time	Concentration	Comments

Heat Stress Monitoring Log

Employee Name							
Start Time							
Measurement 1 Pulse Work Minutes Rest Minutes							
Measurement 2 Pulse Work Minutes Rest Minutes							
Measurement 3 Pulse Work Minutes Rest Minutes							
Measurement 4 Pulse Work Minutes Rest Minutes							
Measurement 5 Pulse Work Minutes Rest Minutes							
Measurement 6 Pulse Work Minutes Rest Minutes							
Measurement 7 Pulse Work Minutes Rest Minutes							
Measurement 8 Pulse Work Minutes Rest Minutes							

_____ _____

Signature of Site Supervisor (or designee) Date

Daily Sign In/Sign Out Form

(to be completed on site)

Site Name: South 5th Street

Location: South 5th St, Brooklyn, New York

Employee Name	Company Name	Purpose	Time In	Time Out	Date

Signature of Site Supervisor (or designee) Date

Daily Safety Meeting Log

(to be completed on site)

Site Name South 5th St.

Location South 5th St, Brooklyn, New York

Weather _____

Topics _____

_____

_____

_____

_____

_____

_____

Employee Names:	Signatures

_____ _____

Signature of Site Supervisor (or designee) Date

ACCIDENT INVESTIGATION REPORT

Place Accident Occurred:		Name of Person Involved:	
Site Location		Age / Sex	Job Title
		Yrs in This Job	Yrs with Company
Date & Time of Incident AM ___/___/_____:___ PM		Date & Time of Investigation AM ___/___/_____:___ PM	
Date Incident Reported ___/___/	Reported to Whom	Investigated By:	
Regulatory Agencies or Insurance Carriers Contacted:		Witness(es):	
Description from injured or witnesses (use reverse side of form for more space): Signature Date			

Select one or more in each column. Don't hesitate to write in your own words (continue on reverse side, if necessary).

When completing the following task:
- ☐Operating (what machine)_____
- ☐Using (what tool)_____
- ☐Handling (what material)_____
- ☐Maintenance or repair (of what)_____
- ☐Office or sales task_____
- ☐Other -- Provide details_____

The following occurred:
- ☐Amputation (total or partial)_____
- ☐Burn (thermal)_____
- ☐Burn (chemical)_____
- ☐Electric shock_____
- ☐Concussion/unconscious_____
- ☐Crushing injury (contusion, crush, bruise) -- intact skin_____
- ☐Cut, laceration, puncture, abrasion_____
- ☐Fracture or dislocation_____
- ☐Sprain/strain_____
- ☐Cumulative trauma_____
- ☐Occupational illness or disease_____
- ☐Internal injuries_____
- ☐None -- Near accident_____
- ☐Other -- Provide details_____
- ☐Respiratory_____

To the (explain details):
- ☐Head, face, neck_____
- ☐Eye_____
- ☐Trunk, abdomen_____
- ☐Back (upper, lower)_____
- ☐Arm, shoulder_____
- ☐Fingers_____
- ☐Leg, hip, knee_____
- ☐Ankle, foot_____
- ☐Toes_____
- ☐Internal Injuries_____
- ☐Body System:_____
- ☐Circulatory_____
- ☐Digestive_____
- ☐Musculoskeletal_____
- ☐Nervous_____
- ☐Other_____
- ☐Other (specify)_____

Person was, or got:
- ☐Struck against (not including falls)_____
- ☐Struck by_____
- ☐Fell from (from a higher level)_____
- ☐Slipped, tripped, fell on (in the same level)_____
- ☐Foreign body in eye_____
- ☐Contacted electrical energy from_____
- ☐Exposure to (substance)_____
  - from inhalation_____
  - ingestion_____
  - skin absorption_____
- ☐Vehicle accident_____
- ☐Caught in, under or between_____
- ☐Repetitive_____
- ☐Other_____

While (taking what position) Where (or What):
- ☐Carrying_____
- ☐Climbing_____
- ☐Bending_____
- ☐Driving_____
- ☐Jumping_____
- ☐Kneeling_____
- ☐Lifting - below waist, give weight)_____
- ☐Lifting - above waist, give weight)_____
- ☐Pulling_____
- ☐Pushing_____
- ☐Reaching or stretching_____
- ☐Riding_____
- ☐Running_____
- ☐Sitting_____
- ☐Standing_____
- ☐Throwing_____
- ☐Twisting or turning_____
- ☐Walking_____
- ☐Other_____

Medical Treatment (check as many as apply)
- ☐The injured employee was able to return to work the same day.
- ☐The injured employee was sent home
- ☐The injured employee was sent to a doctor/ clinic; list the doctor/clinic name, address, and phone:_____

_____
_____
_____

- ☐The employee was hospitalized.

List name and address of hospital:

_____
_____
_____

Attending physician:_____
_____

What conditions contributed
- ☐Awkward job procedure
- ☐Inadequate guard/safety device
- ☐Inadequate warning/labeling system
- ☐Fire/explosion hazard
- ☐Not secured against moving
- ☐Poor housekeeping
- ☐Protruding object
- ☐Close clearance/congestion
- ☐Hazardous arrangement/storage
- ☐Defective tools/equipment
- ☐Inadequate ventilation
- ☐Atmospheric condition: gases,

What unsafe procedures contributed
- ☐Operating without training/authority
- ☐Failure to follow proper procedure
- ☐Failure to secure
- ☐Operating at unsafe speed
- ☐Failure to warn/signal
- ☐Congestion
- ☐Used defective equipment
- ☐Used equipment improperly/unsafely
- ☐Improper loading or placement
- ☐Horseplay/distraction
- ☐Improper protective equipment
- ☐Improper lifting or carrying

The underlying causes of the incident are:
- ☐Unaware of job hazards
- ☐Inattention to hazard
- ☐Unaware of how to avoid incident
- ☐Not enough time to act
- ☐Person motivated to use unsafe procedure
- ☐Emotional/mental/physical stress
- ☐Equipment failed to perform as expected
- ☐Intoxicant/drugs
- ☐Failure to report/correct unsafe condition
- ☐Illness/medical condition
- ☐Work procedure not ergonomically correct
- ☐Substandard design

Classification (check as many as apply)
- ☐Fatality
- ☐Medical treatment other than First Aid
- ☐Occupation illness or disease
- ☐First Aid
- ☐Environmental Release
- ☐Property Damage
- ☐Near-accident

dusts, fumes, vapors
☐Repetitive motion
☐Illumination/noise hazard
☐Other

☐Taking unsafe or awkward position
☐Servicing moving equipment
☐Other

☐Other

ACCIDENT DESCRIPTION (continued):

What steps have already been taken to prevent similar incidents?_____

_____

_____

_____

What else can be done (engineering controls, training, enforcement, process changes) to eliminate the hazard?_____

_____

_____

_____
Site Supervisor Signature Date

Health and Safety Review: Is proposed action appropriate? Yes ☐ No ☐ Comments_____

_____

_____

_____

_____

_____
HSO Signature Date

VEHICLE ACCIDENT REPORT

EMPLOYEE NAME:_____ DRV LIC NO.:_____

COMPANY ADDRESS:_____ INSURANCE COMPANY_____

POLICY NO.:_____

DESCRIPTION OF ACCIDENT

DATE:_____ TIME:_____ SPEED LIMIT_____:

LOCATION:_____

DIRECTION OF TRAVEL:_____

HOW DID IT HAPPEN?_____

_____

USE SPACE BELOW TO INDICATE VEHICLE PATHS - INDICATE NORTH BY ARROW

POLICE REPORT

NAME OF OFFICER: _____ BADGE #:_____

DEPARTMENT:_____ LOCATION:_____

SUMMONS ISSUED? Y [ ] N [ ] TO WHOM?_____

YOUR VEHICLE

YEAR/MAKE:_____ REGIST #:_____

DRIVEN BY:_____ AGE:_____ TEL #:_____

ADDRESS:_____ CITY:_____ STATE:_____

NATURE OF DAMAGE:_____

OTHER DRIVER
(continue below for additional drivers and witnesses)

NAME:_____ DRV LIC NO.:_____

ADDRESS:_____ VEHICLE REGISTRATION:_____

_____ INSURANCE COMPANY_____

POLICY NO.:_____

Safety Data Sheets

SAFETY DATA SHEET

Isobutylene

Section 1. Identification

GHS product identifier : Isobutylene

Chemical name : 2-methylpropene

Other means of identification : 1-Propene, 2-methyl-; Isobutene; Isobutylene; 1-Propene, 2-methyl- (isobutene)

Product use : Synthetic/Analytical chemistry.

Synonym : 1-Propene, 2-methyl-; Isobutene; Isobutylene; 1-Propene, 2-methyl- (isobutene)

SDS # : 001031

Supplier's details : Airgas USA, LLC and its affiliates
259 North Radnor-Chester Road
Suite 100
Radnor, PA 19087-5283
1-610-687-5253

Emergency telephone number (with hours of operation) : 1-866-734-3438

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE GASES - Category 1
GASES UNDER PRESSURE - Liquefied gas

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : Extremely flammable gas.
Contains gas under pressure; may explode if heated.
May cause frostbite.
May displace oxygen and cause rapid suffocation.

Precautionary statements

General : Read and follow all Safety Data Sheets (SDS'S) before use. Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Close valve after each use and when empty. Use equipment rated for cylinder pressure. Do not open valve until connected to equipment prepared for use. Use a back flow preventative device in the piping. Use only equipment of compatible materials of construction. Always keep container in upright position. Approach suspected leak area with caution.

Prevention : Never Put cylinders into unventilated areas of passenger vehicles. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use and store only outdoors or in a well ventilated place.

Response : Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so.

Storage : Protect from sunlight. Protect from sunlight when ambient temperature exceeds 52°C/125°F. Store in a well-ventilated place.

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Section 2. Hazards identification

Disposal : Not applicable.

Hazards not otherwise classified : In addition to any other important health or physical hazards, this product may displace oxygen and cause rapid suffocation.

Section 3. Composition/information on ingredients

Substance/mixture : Substance

Chemical name : 2-methylpropene

Other means of identification : 1-Propene, 2-methyl-; Isobutene; Isobutylene; 1-Propene, 2-methyl- (isobutene)

CAS number/other identifiers

CAS number : 115-11-7

Product code : 001031

Ingredient name	%	CAS number
2-methylpropene	100	115-11-7

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : As this product is a gas, refer to the inhalation section.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Frostbite : Try to warm up the frozen tissues and seek medical attention.

Ingestion : As this product is a gas, refer to the inhalation section.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

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Section 4. First aid measures

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : Contains gas under pressure. Extremely flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Contact supplier immediately for specialist advice. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If involved in fire, shut off flow immediately if it can be done without risk. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or maximum possible distance. Eliminate all ignition sources if safe to do so.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Accidental releases pose a serious fire or explosion hazard. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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Section 6. Accidental release measures

Methods and materials for containment and cleaning up

Small spill : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment.

Large spill : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Contains gas under pressure. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not puncture or incinerate container. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C (125 °F).

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2-methylpropene	**ACGIH TLV (United States, 3/2012).** TWA: 250 ppm 8 hours.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Exposure controls/personal protection

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : Gas. [Liquefied compressed gas.]

Color : Colorless.

Molecular weight : 56.12 g/mole

Molecular formula : C4-H8

Boiling/condensation point : -6.9°C (19.6°F)

Melting/freezing point : -140.7°C (-221.3°F)

Critical temperature : 144.75°C (292.6°F)

Odor : Characteristic.

Odor threshold : Not available.

pH : Not available.

Flash point : Closed cup: -76.1°C (-105°F)

Burning time : Not applicable.

Burning rate : Not applicable.

Evaporation rate : Not available.

Flammability (solid, gas) : Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and oxidizing materials.

Lower and upper explosive (flammable) limits : Lower: 1.8%
Upper: 9.6%

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Section 9. Physical and chemical properties

Vapor pressure	:	24.3 (psig)
Vapor density	:	1.94 (Air = 1)
Specific Volume (ft ^{3}/lb)	:	6.6845
Gas Density (lb/ft ^{3})	:	0.1496 (25°C / 77 to °F)
Relative density	:	Not applicable.
Solubility	:	Not available.
Solubility in water	:	0.263 g/l
Partition coefficient: n-octanol/water	:	2.34
Auto-ignition temperature	:	465°C (869°F)
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Not applicable.

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatibility with various substances	:	Extremely reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	:	Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-methylpropene	LC50 Inhalation Vapor	Rat	550000 mg/m³	4 hours

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

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Section 11. Toxicological information

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : As this product is a gas, refer to the inhalation section.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

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Section 11. Toxicological information

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
2-methylpropene	2.34	-	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Empty Airgas-owned pressure vessels should be returned to Airgas. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

	DOT	TDG	Mexico	IMDG	IATA
UN number	UN1055	UN1055	UN1055	UN1055	UN1055
UN proper shipping name	ISOBUTYLENE	ISOBUTYLENE	ISOBUTYLENE	ISOBUTYLENE	ISOBUTYLENE
Transport hazard class(es)	2.1	2.1	2.1	2.1	2.1

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Section 14. Transport information

Packing group	-	-	-	-	-
Environment	No.	No.	No.	No.	No.
Additional information	**Limited quantity** Yes. **Packaging instruction** **Passenger aircraft** Quantity limitation: Forbidden. **Cargo aircraft** Quantity limitation: 150 kg **Special provisions** 19, T50	**Explosive Limit and Limited Quantity Index** 0.125 **ERAP Index** 3000 **Passenger Carrying Ship Index** Forbidden **Passenger Carrying Road or Rail Index** Forbidden **Special provisions** 29	-	-	**Passenger and Cargo Aircraft**Quantity limitation: 0 Forbidden **Cargo Aircraft Only** Quantity limitation: 150 kg

"Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product."

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined

United States inventory (TSCA 8b): This material is listed or exempted.

Clean Air Act (CAA) 112 regulated flammable substances: 2-methylpropene

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Fire hazard
Sudden release of pressure

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Section 15. Regulatory information

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
2-methylpropene	100	Yes.	Yes.	No.	No.	No.

State regulations

Massachusetts : This material is listed.

New York : This material is not listed.

New Jersey : This material is listed.

Pennsylvania : This material is listed.

Canada inventory : This material is listed or exempted.

International regulations

International lists : **Australia inventory (AICS)**: This material is listed or exempted.
China inventory (IECSC): This material is listed or exempted.
Japan inventory: This material is listed or exempted.
Korea inventory: This material is listed or exempted.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): This material is listed or exempted.
Philippines inventory (PICCS): This material is listed or exempted.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed

Canada

WHMIS (Canada) : Class A: Compressed gas.
Class B-1: Flammable gas.

CEPA Toxic substances: This material is not listed.
Canadian ARET: This material is not listed.
Canadian NPRI: This material is listed.
Alberta Designated Substances: This material is not listed.
Ontario Designated Substances: This material is not listed.
Quebec Designated Substances: This material is not listed.

Section 16. Other information

Canada Label requirements : Class A: Compressed gas.
Class B-1: Flammable gas.

Hazardous Material Information System (U.S.A.)

Health	1
Flammability	4
Physical hazards	2

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Section 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of printing	:	10/15/2014.
Date of issue/Date of revision	:	10/15/2014.
Date of previous issue	:	10/6/2014.
Version	:	0.02
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United NationsACGIH – American Conference of Governmental Industrial Hygienists AIHA – American Industrial Hygiene Association CAS – Chemical Abstract Services CEPA – Canadian Environmental Protection Act CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act (EPA) CFR – United States Code of Federal Regulations CPR – Controlled Products Regulations DSL – Domestic Substances List GWP – Global Warming Potential IARC – International Agency for Research on Cancer ICAO – International Civil Aviation Organisation Inh – Inhalation LC – Lethal concentration LD – Lethal dosage NDSL – Non-Domestic Substances List NIOSH – National Institute for Occupational Safety and Health

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Section 16. Other information

TDG – Canadian Transportation of Dangerous Goods Act and Regulations
TLV – Threshold Limit Value
TSCA – Toxic Substances Control Act
WEEL – Workplace Environmental Exposure Level
WHMIS – Canadian Workplace Hazardous Material Information System

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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Appendix C

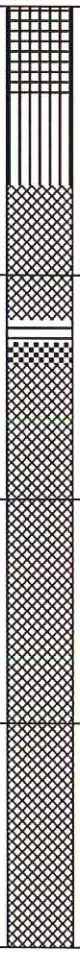
Soil Boring Logs

Equity Environmental Engineering **500 International Drive, Suite 150** **Mount Olive, New Jersey 07828**	CLIENT: LPC Development Group, LLC PROJECT: 105 South 5th Street LOCATION: 105 South 5th St., Brooklyn, NY	WELL ID: **SB-1**
START DATE: 10/27/15	DRILLING CO.: Zebra	TOTAL DEPTH: 30.0'
COMPLETION DATE: 10/27/2015	DRILLER: Evan Moraitu	WELL DEPTH: N/A
BORING DIAMETER: 2.5"	DRILL RIG / METHOD: Direct Puch / GeoProbe 7822DT	CASING ELEVATION: N/A
WELL DIAMETER: N/A	LOGGED BY: Faron Moser	DEPTH TO WATER: No GW in Soil Boring
SCREENED INTERVAL: N/A	WELL TYPE: N/A	WATER LEVEL STATIC: N/A
SCREEN TYPE / SLOT: N/A	FILTER PACK: N/A	CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample	H2O	Lithology / Remarks	
0								0.0'- 1.0'	**Concrete Slab-** Drill rig pushed through the concrete slab in garage to get to soil material.
1	SB-1 (0'-2')			0.0		X		1.0'-3.0'	**Fill Material.** Loose, coarse sand with concrete, brick fragments, medium-large gravel, dry.
2				0.0					
3	SB-1 (2'-4')	44"		0.0		X		3.0'-5.0'	**(SW-SM) Well graded sand with silt.** Medium dense, Strong Brown (7.5YR 4/6), coarse sand with silt, small gravel, dry.
4				0.0					
5				0.0					
6				0.0				5.0'-6.0'	**(SW-SM) Well graded sand with silt.** Dense, Strong Brown (7.5YR 4/6), coarse sand with silt, small-medium gravel, dry.
7				0.0				6.0'-6.5'	**Red Brick & Large Rock**
								6.5'-7.0'	**Rock**
8		35"		0.0				7.0'-10.0'	**(SW-SM) Well graded sand with silt.** Loose, Light Brown (7.5YR 6/3), fine sand with silt, small gravel, dry.
9				0.0					
10				0.0					
11				0.0				10.0'-15.0'	**(SW-SM) Well graded sand with silt.** Dense, Brownish Yellow (10YR 6/8), coarse sand with silt, stiff, medium plasticity, dry.
12				0.0					
13		55"		0.0					
14				0.0					
15				0.0					
16				0.0				15.0'-20.0'	**(SW-SM) Well graded sand with silt.** Dense, Brownish Yellow (10YR 6/8), coarse sand with silt, stiff, medium plasticity, dry.
17				0.0					
18		55"		0.0					
19				0.0					
20				0.0					

SB-1 Continued on Page 2 of 2

Boring Construction



KEY:

SPT = Standard Penetration Test
CAL = Calibration
BZ = Breathing Zone
SS = Split Spoon
A = Auger Cuttings
GP = Geoprobe
BH = Bore Hole
GS = Grab Sample
C = Composite
HS = Headspace
Y = Water Level
TOB = Top of Bentonite
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Equity Environmental Engineering **500 International Drive, Suite 150** **Mount Olive, New Jersey 07828**	CLIENT: LPC Development Group, LLC PROJECT: 105 South 5th Street LOCATION: 105 South 5th St., Brooklyn, NY	WELL ID: **SB-1 (Continued)**
START DATE: 10/27/15	DRILLING CO.: Zebra	TOTAL DEPTH: 30.0'
COMPLETION DATE: 10/27/2015	DRILLER: Evan Moraitu	WELL DEPTH: N/A
BORING DIAMETER: 2.5"	DRILL RIG / METHOD: Direct Puch / GeoProbe 7822DT	CASING ELEVATION: N/A
WELL DIAMETER: N/A	LOGGED BY: Faron Moser	DEPTH TO WATER: No GW in Soil Boring
SCREENED INTERVAL: N/A	WELL TYPE: N/A	WATER LEVEL STATIC: N/A
SCREEN TYPE / SLOT: N/A	FILTER PACK: N/A	CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample	H2O	Lithology / Remarks	Boring Construction
20				0.0				20.0'-22.0' **(SW-SM) Well graded sand with silt.** Dense, Brownish Yellow (10YR 6/8), coarse sand with silt and large gravel, stiff, medium plasticity, dry.	
21				0.0					
22				0.0					
23		37"		0.0				22.0'-25.0 **(SW) Well graded sand .** Loose, Light Brown (7.5YR 6/3) coarse sand and small gravel, non-plastic, dry.	
24				0.0					
25				0.0					
26				0.0				25.0'-30.0' **(SW) Well graded sand.** Loose, Light Brown (7.5YR 6/3) coarse sand and small gravel, non-plastic, dry.	
27				0.0					
28		58"		0.0					
29				0.0					
30				0.0					
								Boring Stopped at 30.0' bgs	

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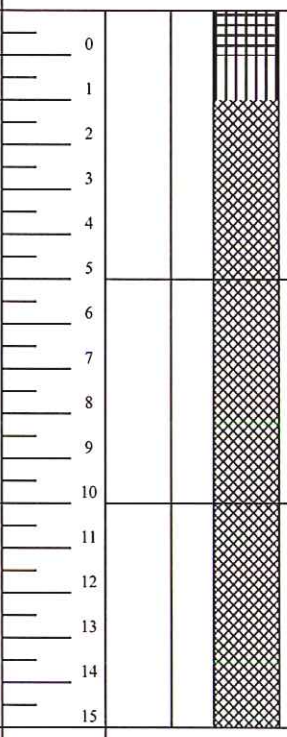
GP = Geoprobe
BH = Bore Hole
GS = Grab Sample
C = Composite
HS = Headspace
Y = Water Level
TOB = Top of Bentonite
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Concrete
Fill
Brick/Rock
SW
SM
SP
Rock
SW-SM

Equity Environmental Engineering **500 International Drive, Suite 150** **Mount Olive, New Jersey 07828**	CLIENT: LPC Development Group, LLC PROJECT: 105 South 5th Street LOCATION: 105 South 5th St., Brooklyn, NY	WELL ID: **SB-2**
START DATE: 10/27/2015	DRILLING CO.: Zebra	TOTAL DEPTH: 15.0'
COMPLETION DATE: 10/27/2015	DRILLER: Evan Moraitu	WELL DEPTH: N/A
BORING DIAMETER: 2.5"	DRILL RIG / METHOD: Direct Puch / GeoProbe 7822DT	CASING ELEVATION: N/A
WELL DIAMETER: N/A	LOGGED BY: Faron Moser	DEPTH TO WATER: No GW in Soil Boring
SCREENED INTERVAL: N/A	WELL TYPE: N/A	WATER LEVEL STATIC: N/A
SCREEN TYPE / SLOT: N/A	FILTER PACK: N/A	CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample	H2O	Lithology / Remarks	
0				0.0				0.0'- 0.5'	**Concrete-** Drill rig through the concrete floor in the garage area.
1	SB-2 (0'-2')			0.0		X		0.5'-2.5'	**Fill Material.** Loose, coarse sand with asphalt, concrete and gravel mix, dry
2				0.0				2.5'-5.0'	**(SW-SM) Well graded sand with silt.** Medium dense, Yellowish Red (5YR 4/6), fine sand with silt, non-plastic, dry.
3	SB-2 (2'-4')	35"		0.0		X			
4				0.0					
5				0.0					
6				0.0				5.0'-10.0'	**(SW-SM) Well graded sand with silt.** Very dense, Yellowish Red (5YR 4/6), fine sand with silt, very stiff, low plasticity, dry.
7				0.0					
8		41"		0.0					
9				0.0					
10				0.0					
11				0.0				10.0'-15.0'	**(SW-SM) Well graded sand with silt.** Very dense, Yellowish Red (5YR 4/6), fine sand with silt, very stiff, low plasticity, dry.
12				0.0					
13		42"		0.0					
14				0.0					
15				0.0					
								Boring Stopped at 15.0' bgs	

Boring Construction



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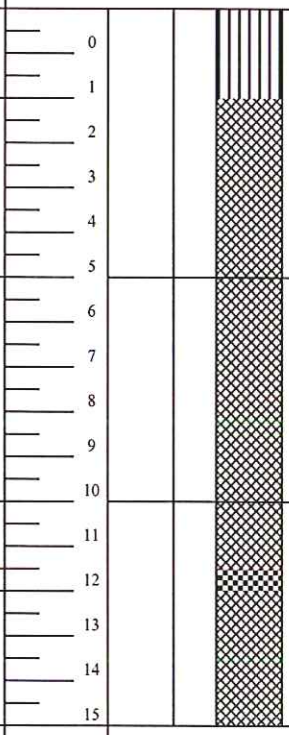
C = Composite
HS = Headspace
V = Water Level
TOB = Top of Bentonite
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Equity Environmental Engineering **500 International Drive, Suite 150** **Mount Olive, New Jersey 07828**	CLIENT: LPC Development Group, LLC PROJECT: 105 South 5th Street LOCATION: 105 South 5th St., Brooklyn, NY	WELL ID: **SB-3**
START DATE: 10/27/15	DRILLING CO.: Zebra	TOTAL DEPTH: 15.0'
COMPLETION DATE: 10/27/2015	DRILLER: Evan Moraitu	WELL DEPTH: N/A
BORING DIAMETER: 2.5"	DRILL RIG / METHOD: Direct Puch / GeoProbe 7822DT	CASING ELEVATION: N/A
WELL DIAMETER: N/A	LOGGED BY: Faron Moser	DEPTH TO WATER: No GW in Soil Boring
SCREENED INTERVAL: N/A	WELL TYPE: N/A	WATER LEVEL STATIC: N/A
SCREEN TYPE / SLOT: N/A	FILTER PACK: N/A	CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample	H2O	Lithology / Remarks	
0				0.0				0.0'- 1.0'	**Fill Material.** Loose, coarse sand with asphalt, concrete and gravel mix, dry.
1	SB-3 (0'-2')			0.0		X			
2				0.0				1.0'-5.0'	**(SW-SM) Well graded sand with silt.** Medium dense, Yellowish Red (5YR 4/6), fine sand with silt, non-plastic, dry.
3		47"		0.0					
4				0.0					
5				0.0					
6				0.0				5.0'-10.0'	**(SW-SM) Well graded sand with silt.** Medium dense, Yellowish Red (5YR 4/6), fine sand with silt, non-plastic, dry.
7				0.0					
8		42"		0.0					
9				0.0					
10				0.0					
11				0.0				10.0'-11.0'	**(SW-SM) Well graded sand with silt.** Medium dense, Yellowish Red (5YR 4/6), fine sand with silt, non-plastic, dry.
12				0.0				11.0'-11.5'	**Rock**
13	SB-3 (12'-14')	54"		0.0		X		11.5'-15.0'	**(SW-SM) Well graded sand.** Medium dense, Yellowish Red (5YR 4/6), fine sand, non-plastic, dry.
14				0.0					
15				0.0					

Boring Construction



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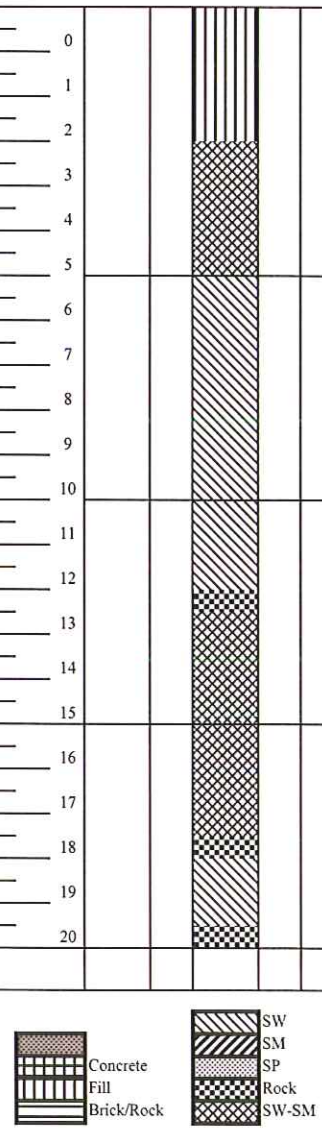
TOB = Top of Bentonite
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Concrete
Fill
Brick/Rock
SW
SM
SP
Rock
SW-SM

Equity Environmental Engineering **500 International Drive, Suite 150** **Mount Olive, New Jersey 07828**	CLIENT: LPC Development Group, LLC PROJECT: 105 South 5th Street LOCATION: 105 South 5th St., Brooklyn, NY	WELL ID: **SB-4**
START DATE: 10/26/2015	DRILLING CO.: Zebra	TOTAL DEPTH: 20.0'
COMPLETION DATE: 10/26/2015	DRILLER: Evan Moraitu	WELL DEPTH: N/A
BORING DIAMETER: 2.5"	DRILL RIG / METHOD: Direct Puch / GeoProbe 7822DT	CASING ELEVATION: N/A
WELL DIAMETER: N/A	LOGGED BY: Faron Moser	DEPTH TO WATER: No GW in Soil Boring
SCREENED INTERVAL: N/A	WELL TYPE: N/A	WATER LEVEL STATIC: N/A
SCREEN TYPE / SLOT: N/A	FILTER PACK: N/A	CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample	H2O	Lithology / Remarks	
0				0.0				0.0'-2.0'	**Fill Material-** Loose, coarse sand with concrete, brick fragments, med-large gravel, dry
1	SB-4 (0'-2')			0.0		X			
2				0.0					
3		48"		0.0				2.0'-5.0'	**(SW-SM) Well graded sand with silt.** Dense, Yellowish-red (5YR 4/6), fine sand with silt, dry.
4				0.0					
5				0.0					
6				0.4				5.0'-6.0'	**(SW) Well graded sand.** Medium dense, Strong Brown (7.5YR 5/8), coarse sand with small - medium gravel, dry.
7				0.2				6.0'-10.0'	**(SW) Well graded sand.** Dense, Strong Brown (7.5YR 5/8), fine sand with small gravel, dry. Note: White rock observed @ 6.0' to 6.25'
8		54"		0.2					
9				0.0					
10				0.0					
11				0.1				10.0'-12.0'	**(SW) Well graded sand.** Yellowish-red (7.5YR 5/8), coarse sand with small gravel, dry.
12				0.1					
13	SB-4 (12'-14')	46"		0.1		X		12.0'-12.5'	**White Rock**
								12.5'-15'	**(SW-SM) Well graded sand and silt.** Medium dense, fine sand with silt, non-plastic, dry.
14				0.1					
15				0.1					
16				0.0				15.0'-17.5'	**(SW-SM) Well graded sand and silt.** Medium dense, fine sand with silt, non-plastic, dry.
17				0.0					
18		56"		0.0				17.5'-18'	**White Rock**
								18'-19.5'	**(SW) Well graded sand.** Yellowish-red (7.5YR 5/8), coarse sand with small gravel, dry.
19				0.0					
20				0.0				19.5'-20.0'	**Rock**
									Boring Refusal at 20.0' bgs

Boring Construction



KEY:

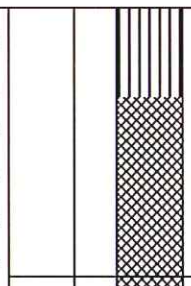
SPT = Standard Penetration Test	SS = Split Spoon	BH = Bore Hole	HS = Headspace	TOSC = Top of Screen
CAL = Calibration	A = Auger Cuttings	GS = Grab Sample	**Y = Water Level**	TOS = Top of Sand
BZ = Breathing Zone	GP = Geoprobe	C = Composite	TOB = Top of Bentonite	CB = Curb Box

Equity Environmental Engineering **500 International Drive, Suite 150** **Mount Olive, New Jersey 07828**	CLIENT: LPC Development Group, LLC PROJECT: 105 South 5th Street LOCATION: 105 South 5th St., Brooklyn, NY	WELL ID: **SB-5**
START DATE: 10/26/2015	DRILLING CO.: Zebra	TOTAL DEPTH: 23.0'
COMPLETION DATE: 10/26/2015	DRILLER: Evan Moraitu	WELL DEPTH: N/A
BORING DIAMETER: 2.5"	DRILL RIG / METHOD: Direct Puch / GeoProbe 7822DT	CASING ELEVATION: N/A
WELL DIAMETER: N/A	LOGGED BY: Faron Moser	DEPTH TO WATER: No GW in Soil Boring
SCREENED INTERVAL: N/A	WELL TYPE: N/A	WATER LEVEL STATIC: N/A
SCREEN TYPE / SLOT: N/A	FILTER PACK: N/A	CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample	H2O	Lithology / Remarks	
0				0.0				0.0'-1.0'	**Fill Material-** Very loose, Dark Yellowish Brown (10YR 4/6) coarse sand with silt, large gravel, dry
1	SB-5 (0'-2')			0.0		X			
2		53"		0.0				1.0'-5.0'	**(SW-SM) Well graded sand with silt.** Medium dense, Strong Brown (7.5YR 4/6), coarse sand with silt, small gravel, dry. Note: Concrete chunk @ 3.5"
3				0.0					
4				0.0					
5				0.0					
6				0.0				5.0'-7.0'	**(SW-SM) Well graded sand with silt.** Medium dense, Strong Brown (7.5YR 4/6), coarse sand with silt, small gravel, dry.
7				0.0					
		56"						7.0'-7.5'	**Concrete, dry**
8				0.0				7.5'-8.0'	**See (5.0'-7.0')**
9				0.0				8.0'-10.0'	**(SW) Well graded sand.** Loose, Yellowish-red(5YR 4/6) fine sand with no gravel, dry.
10				0.0					
11				0.0				10.0'-13.0'	**(SW) Well graded sand.** Loose, Yellowish-red (5YR 4/6) fine sand with no gravel, dry.
12				0.0					
13	SB-5 (12'-14')	56"		0.0		X			
14				0.0				13.0'-15.0'	**(SW-SM) Well graded sand with silt.** Medium dense, Brownish-yellow (10YR 4/6) , coarse sand with silt, small gravel, non-plastic, dry.
15				0.0					
								15.0'-15.5'	**See (8.0'-10.0')**
16				0.0				15.5'-18.5'	**(SW-SM) Well graded sand with silt.** Dense, Dark Yellowish-brown (10YR 4/6), coarse sand with silt, small gravel, dry.
17				0.0					
18		56"		0.0					
19				0.0				18.5'-20	**(SW-SM) Well graded sand with silt.** Dense, Yellowish-brown (10YR 4/6), coarse sand, silt, small gravel, dry. Note: White rock @ 18.5'-19.5'
20				0.0					

SB-5 Continued on Page 2 of 2

Boring Construction



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GS = Grab Sample
C = Composite
HS = Headspace
V = Water Level
TOB = Top of Bentonite
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Grout
Concrete
Fill
Brick/Rock

SW
SM
SP
Rock
SW-SM

Equity Environmental Engineering **500 International Drive, Suite 150** **Mount Olive, New Jersey 07828**	CLIENT: LPC Development Group, LLC PROJECT: 105 South 5th Street LOCATION: 105 South 5th St., Brooklyn, NY	WELL ID: **SB-5**
START DATE: 10/26/2015	DRILLING CO.: Zebra	TOTAL DEPTH: 23.0'
COMPLETION DATE: 10/26/2015	DRILLER: Evan Moraitu	WELL DEPTH: N/A
BORING DIAMETER: 2.5"	DRILL RIG / METHOD: Direct Puch / GeoProbe 7822DT	CASING ELEVATION: N/A
WELL DIAMETER: N/A	LOGGED BY: Faron Moser	DEPTH TO WATER: No GW in Soil Boring
SCREENED INTERVAL: N/A	WELL TYPE: N/A	WATER LEVEL STATIC: N/A
SCREEN TYPE / SLOT: N/A	FILTER PACK: N/A	CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample	H2O	Lithology / Remarks	Boring Construction
20				0.0				20.0'-23.0' **(SW) Well graded sand.** Loose, Yellowish-red (5YR 4/6) fine sand, dry.	20
21		44"		0.0					21
22				0.0					22
23				0.0					23
								Boring Refusal at 23.0' bgs	

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SPT = Standard Penetration Test
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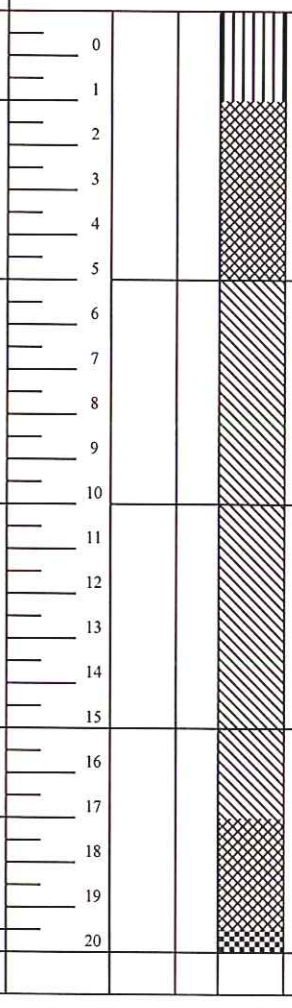
C = Composite
HS = Headspace
Y = Water Level
TOB = Top of Bentonite
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Concrete
Fill
Brick/Rock
SW
SM
SP
Rock
SW-SM

Equity Environmental Engineering 500 International Drive, Suite 150 Mount Olive, New Jersey 07828	CLIENT: LPC Development Group, LLC PROJECT: 105 South 5th Street LOCATION: 105 South 5th St., Brooklyn, NY	WELL ID: **SB-6**
START DATE: 10/26/2015	DRILLING CO.: Zebra	TOTAL DEPTH: 20.0'
COMPLETION DATE: 10/26/2015	DRILLER: Evan Moraitu	WELL DEPTH: N/A
BORING DIAMETER: 2.5"	DRILL RIG / METHOD: Direct Puch / GeoProbe 7822DT	CASING ELEVATION: N/A
WELL DIAMETER: N/A	LOGGED BY: Faron Moser	DEPTH TO WATER: No GW in Soil Boring
SCREENED INTERVAL: N/A	WELL TYPE: N/A	WATER LEVEL STATIC: N/A
SCREEN TYPE / SLOT: N/A	FILTER PACK: N/A	CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample	H2O	Lithology / Remarks	
0				0.0				0.0'-1.0'	**Fill Material-** Loose, Dark Brown (7.5YR 3/3) coarse sand with small-medium gravel, dr y.
1	SB-6 (0'-2')			0.0		X			
2		51"		0.0				1.0'-5.0'	**(SW-SM) Well graded sand with silt.** Dense, Yellowish-red (5YR 4/6), fine sand with silt, small gravel, dry. Note: Rock @ 4.5' bgs Geoprobe hit Rock.
3				0.0					
4				0.0					
5				0.0					
6				0.0				5.0'-10.0'	**(SW) Well graded sand.** Loose, Yellowish-red (5YR 4/6), fine sand, no gravel, no silt, non-plastic, dry.
7				0.0					
8		55"		0.0					
9				0.0					
10				0.0					
11				0.0				10.0'-15.0'	**(SW) Well graded sand.** Loose, Yellowish-red (5YR 4/6), fine sand, no gravel, no silt, non-plastic, dry.
12				0.0					
13	SB-6 (12'-14')	56"		0.0		X			
14				0.0					
15				0.0					
16				0.0				15.0'-17.0'	**(SW) Well graded sand.** Loose, Yellowish-red (5YR 4/6), fine sand, non-plastic, dry.
17				0.0					
18		55"		0.0				17.0'-19.5'	**(SW-SM) Well graded sand with silt.** Dense, Dark Brown (7.5YR 3/3) coarse sand with silt, large gravel, dry.
19				0.0					
20				0.0				19.5'-20.0'	**Rock**
								Boring Refusal at 20.0' bgs	

Boring Construction



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TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Concrete
Fill
Brick/Rock
SW
SM
SP
Rock
SW-SM

Equity Environmental Engineering **500 International Drive, Suite 150** **Mount Olive, New Jersey 07828**	CLIENT: LPC Development Group, LLC PROJECT: 105 South 5th Street LOCATION: 105 South 5th St., Brooklyn, NY	WELL ID: **SB-7**
START DATE: 10/26/2015	DRILLING CO.: Zebra	TOTAL DEPTH: 19.0'
COMPLETION DATE: 10/26/2015	DRILLER: Evan Moraitu	WELL DEPTH: N/A
BORING DIAMETER: 2.5"	DRILL RIG / METHOD: Direct Puch / GeoProbe 7822DT	CASING ELEVATION: N/A
WELL DIAMETER: N/A	LOGGED BY: Faron Moser	DEPTH TO WATER: No GW in Soil Boring
SCREENED INTERVAL: N/A	WELL TYPE: N/A	WATER LEVEL STATIC: N/A
SCREEN TYPE / SLOT: N/A	FILTER PACK: N/A	CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample	H2O	Lithology / Remarks	Boring Construction
0				0.0				0.0'-5.0' **Fill Material-** Loose, Dark Brown (7.5YR 3/2) coarse sand with concrete, brick fragments, gravel, dry	0
1	SB-7 (0'-2')			0.0		X			1
2		32"		0.0					2
3				0.0					3
4				0.0					4
5				0.0					5
6				0.0				5.0'-10.0' **(SW) Well graded sand-** Dense, Strong Brown (7.5YR 5/8), fine sand with small-large gravel, dry.	6
7				0.0					7
8		43"		0.0					8
9				0.0					9
10				0.0					10
11				0.0				10.0'-15.0' **(SW) Well graded sand-** Dense, Dark yellowish brown (10YR 4/6), fine sand, dry.	11
12				0.0					12
13	SB-7 (12'-14')	58"		0.0		X			13
14				0.0					14
15				0.0					15
16				0.0				15.0'-19.0' **(SW) Well graded sand-** Dense, Dark yellowish brown (10YR 4/6), fine sand , dry.	16
17		35"		0.0					17
18				0.0					18
19				0.0					19
								Boring Refusal at 19.0' bgs	

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GP = Geoprobe
BH = Bore Hole
GS = Grab Sample
C = Composite
HS = Headspace
V = Water Level
TOB = Top of Bentonite
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Concrete
Fill
Brick/Rock
SW
SM
SP
Rock
SW-SM

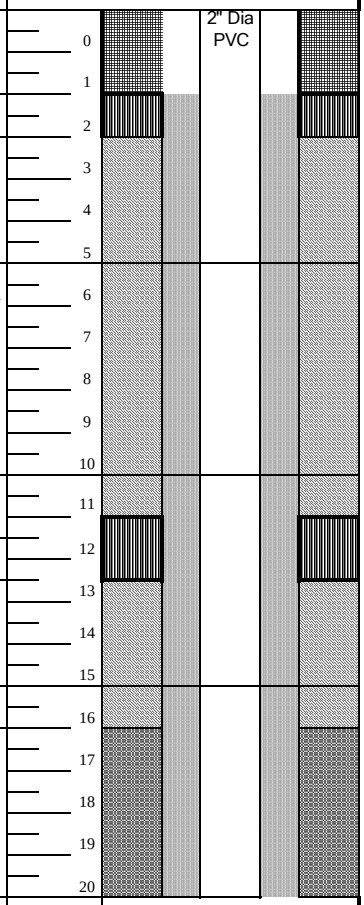
Appendix D

Monitoring Well Boring and Construction Logs

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-3**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **18/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**60.0'**
COMPLETION DATE: **22/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**53.86'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**50.19'**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser**	DEPTH TO WATER:	**45.05'**
SCREENED INTERVAL: **40'-55'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC:	**47.45'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	
0				0.0				0.0'-1.0'	**Concrete Slab**
1				0.0					
2				0.0				1.0'-2.0'	**Fill Material.** Loose coarse sand with asphalt, brick fragments and concrete
3		NA		0.0				2.0'-5.0'	**(SW-SM) Well graded sand wih silt.** Very dense, Yellowish Red (5YR 4/6) fine sand with silt, medium plasticity, dry.
4				0.0					
5				0.0					
6				0.0				5.0'-10.0'	**(SW-SM) Well graded sand wih silt.** Very dense,Yellowish Red (5YR 4/6) fine sand with silt, medium plasticity, dry.
7				0.0					
8		NA		0.0					**Note:** Rock observed at 5.5' -6.0'
9				0.0					
10				0.0					
11				0.0				10.0'-11.0'	**(SW-SM) Well graded sand wih silt.** Very dense, Yellowish Red (5YR 4/6) fine sand with silt, medium plasticity, dry.
12				0.0				11.0' - 12.5'	**Asphalt.**
13		NA		0.0				12.5' - 15.0'	**(SW-SM) Well graded sand wih silt.** Dense, Yellowish Red (5YR 4/6) coarse sand with silt and medium gravel, medium plasticity, dry.
14				0.0					
15				0.0					
16				0.0				15.0'-16.0'	**Same as 12.5' - 15.0'**
17				0.0				16.0'-20.0'	**(SW) Well Graded Sand.** Loose, Yellowish Red (5YR 4/6) coarse sand, small gravel throughout, non-plastic, dry.
18		NA		0.0					
19				0.0					
20				0.0					
								CONTINUE BORING TO 40.0' ON PAGE 2	

Boring/Well Construction



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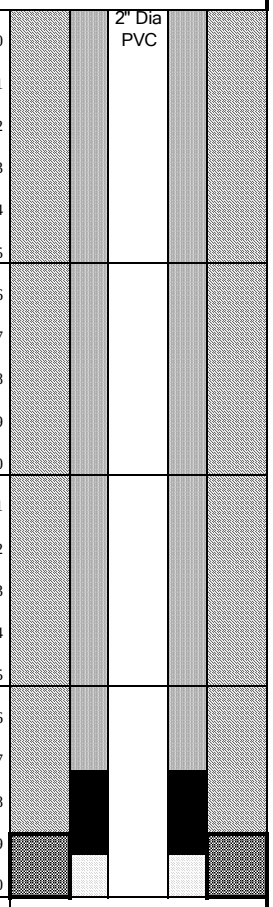
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Plug
Slurry
Concrete
Sand
Screen
SW-SM
SM
FILL
ROCK
SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-3**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **18/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**60.0'**
COMPLETION DATE: **22/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**53.86'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**50.19'**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser**	DEPTH TO WATER:	**45.05'**
SCREENED INTERVAL: **40'-55'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC:	**47.45'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O		Lithology / Remarks
20				0.0				20.0'-25.0'	**(SW-SM) Well graded sand with silt.** Dense, Yellowish Red (5YR 4/6), coarse sand with silt, large gravel and rock mixed throughout, medium plasticity, dry.
21				0.0					
22				0.0					
23		NA		0.0					**Note:** Large gravel and rock were observed between 23.0' - 25.0' interval.
24				0.0					
25				0.0					
26				0.0				25.0'-30.0'	**(SW-SM) Well graded sand with silt.** Dense, Yellowish Red (5YR 4/6), coarse sand with silt with medium -large gravel and rock mixed throughout, medium plasticity, dry.
27				0.0					
28		NA		0.0					**Note:** Medium to large gravel was observed between 25.0'-27.0'. Large gravel and rock were observed between 27'.0 - 30.0'.
29				0.0					
30				0.0					
31				0.0				30.0'-35.0'	**(SW-SM) Well graded sand with silt.** Loose, Yellowish Red (5YR 4/6), coarse sand with silt,small -large gravel and rock mixed throughout, medium plasticity, dry.
32				0.0					
33		NA		0.0					
34				0.0					
35				0.0					
36				0.0				35.0'-36.5'	**(SW-SM) Well graded sand with silt.** Dense, Yellowish Red (5YR 4/6), coarse sand with silt, medium plasticity dry.
37				0.0				36.5'-38.5'	**(SW-SM) Well graded sand with silt.** Loose, Yellowish Red (5YR 4/6), coarse sand with silt, small -large gravel and rock mixed throughout, medium plasticity, dry.
38		NA		0.0					
39				0.0					
40				0.0				38.5'-40.0'	**Bedrock** **Note: Bentonite plug from 37.0' - 39.0'**
									CONTINUE BORING TO 60.0' ON PAGE 3

Boring/Well Construction



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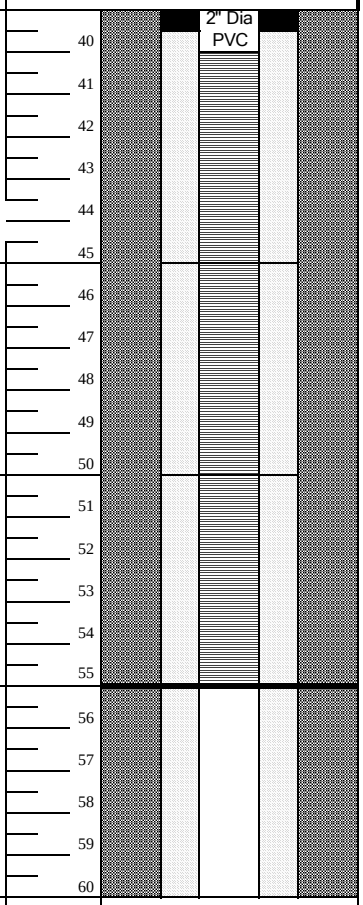
TOS = Top of Sand
CB = Curb Box

Plug, Slurry, Concrete, Sand, Screen
SW-SM, SM, FILL, ROCK, SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID: **MW-3**
500 International Drive , Suite 150	PROJECT:	**2015059**	
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**	
START DATE: **18/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH: **60.0'**
COMPLETION DATE: **22/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH: **53.86'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION: **50.19'**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser**	DEPTH TO WATER: **45.05'**
SCREENED INTERVAL: **40'-55'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC: **47.45'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE: **2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks
40				0.0				40.0'-45.0' **Bedrock**
41				0.0				
42				0.0				
43		NA		0.0				
44				0.0				
45				0.0				
46				0.0				45.0'-50.0' **Bedrock**
47				0.0				
48		NA		0.0			V	**Static Water @ 47.45' (i.e. Depth to water reading with interface probe after well is installed).**
49				0.0				
50				0.0				
51				0.0				50.0'-55.0' **Bedrock**
52				0.0				
53		NA		0.0				
54				0.0				
55				0.0				
56				0.0				55.0'-60.0' **Bedrock**
57				0.0				
58		NA		0.0				
59				0.0				
60				0.0				
								DRILLING ENDED @ 60.0' bgs

Boring/Well Construction



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CAL = Calibration	A = Auger Cuttings	GS = Grab Sample	V = Water Level	TOS = Top of Sand
BZ = Breathing Zone	GP = Geoprobe	C = Composite	TOB = Top of Bentonite	CB = Curb Box

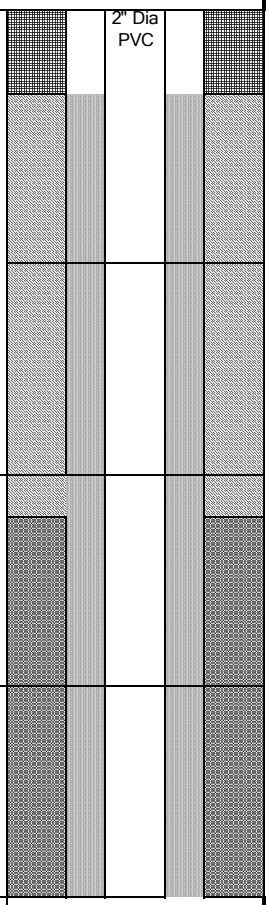
Plug, Slurry, Concrete, Sand, Screen, SW-SM, SM, FILL, ROCK, SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-2**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **22/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**60.0'**
COMPLETION DATE: **23/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**54.45'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**50.13'**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser and Bob Jackson**	DEPTH TO WATER:	**47.80'**
SCREENED INTERVAL: **45'-55'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC:	**47.60'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	
0				0.0				0.0'-8.0"	**Concrete Slab**
1				0.0				8.0"-2.5'	**(SW-SM) Well graded sand with silt** Loose, Yellowish Red (5YR 4/6), coarse sand with silt and gravel, dry.
2		NA		0.0					
3				0.0				2.5'-5.0'	**(SW-SM) Well graded sand with silt** Loose, Yellowish Red (5YR 4/6), fine sand with silt, non-plastic, dry.
4				0.0					
5				0.0					
6				0.0				5.0'-10.0'	**(SW-SM) Well graded sand wih silt.** Dense, Yellowish Red (5YR 4/6), fine sand with silt and small gravel throughout low-plasticity, dry.
7		NA		0.0					
8				0.0					
9				0.0					
10				0.0					
11				0.0				10.0'-11.0'	**(SW-SM) Well graded sand wih silt.** Dense, Yellowish Red (7.5 YR 4/6) coarse sand with some silt. Low plasticity. Dry.
12		NA		0.0				11.0' - 15.0'	**(SW) Well Graded Sand.** Loose,Yellowish Red (7.5 YR 4/6) fine sand, small-medium gravel and cobbles throughout, non-plastic, dry.
13				0.0					
14				0.0					**Note:** Large rock observed at 11.5'
15				0.0					
16				0.0				15.0'-20.0'	**(SW) Well Graded Sand.** Loose,Yellowish Red (7.5 YR 4/6) fine sand, small-medium gravel and cobbles throughout, non-plastic, dry.
17		NA		0.0					
18				0.0					
19				0.0					
20				0.0					

CONTINUE BORING TO 40.0' ON PAGE 2

Boring/Well Construction



KEY:

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TOS = Top of Sand
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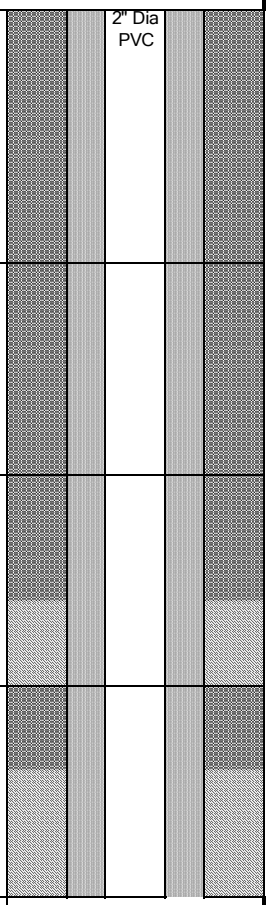
Plug
Slurry
Concrete
Sand
Screen
SW-SM
SM
FILL
ROCK
SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-2**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **22/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**60.0'**
COMPLETION DATE: **23/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**54.45'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**50.13**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser and Bob Jackson**	DEPTH TO WATER:	**47.80'**
SCREENED INTERVAL: **45'-55'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC:	**47.60'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	
20				0.0				20.0'-25.0'	**(SW) Well Graded Sand.** Loose,Yellowish Red (7.5 YR 4/6) fine sand and cobbles throughout, non-plastic, dry.
21				0.0					
22				0.0					
23		NA		0.0					
24				0.0					
25				0.0					
26				0.0				25.0'-30.0'	**(SW) Well Graded Sand.** Loose,Yellowish Red (7.5 YR 4/6) fine sand with gravel throughout, non-plastic, moist @ 30.0'
27				0.0					
28		NA		0.0					
29				0.0					
30				0.0					
31				0.0				30.0'-33.0'	**(SW) Well Graded Sand.** Loose,Yellowish Red (7.5 YR 4/6) fine sand, dry.
32				0.0					
33		NA		0.0					
34				0.0				33.0'-35.0'	**(SW-SM) Well graded sand wih silt.** Dense, Yellowish Red (7.5 YR 4/6) fine sand with silt, dry.
35				0.0					
36				0.0				35.0'-36.0'	**(SW) Well Graded Sand.** Loose, grey, sand with gravel, dry.
37				0.9				36.0'-37.0'	**(SW) Well Graded Sand.** Loose, fine sand, dry.
38		NA		0.0				37.0'-40.0'	**(SW-SM) Well graded sand wih silt.** Dense, Yellowish Red (7.5 YR 4/6) coarse sand with silt, low plasticity, dry.
39				3.2					
40				0.0					

Boring/Well Construction



CONTINUE BORING TO 60.0' ON PAGE 3

KEY:

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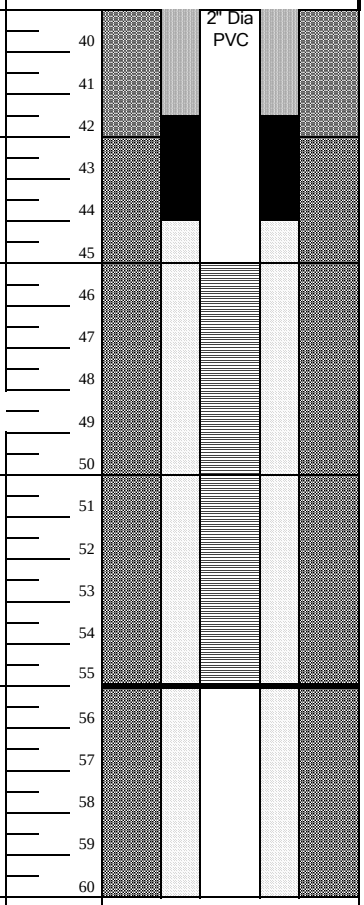
Plug
Slurry
Concrete
Sand
Screen
SW-SM
SM
FILL
ROCK
SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-2**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **22/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**60.0'**
COMPLETION DATE: **23/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**54.45'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**50.13**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser and Bob Jackson**	DEPTH TO WATER:	**47.80'**
SCREENED INTERVAL: **45'-55'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC:	**47.60'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	
40				0.0				40.0'-42.0'	**(SW) Well Graded Sand.** Loose, Grey Brown, fine-coarse sand with cobbles. Thin lense of lighter soil @ 41.5' bgs.
41				1.5					
42				1.5					
43		NA		1.5				42.0'-45.0'	**Bedrock**
44				0.0					**Bentonite plug from 42.0' - 44.0'**
45				0.0					
46				0.0				45.0'-50.0'	**Bedrock**
47				0.0					
48		NA		0.0			V		
49				0.0					
50				0.0					
51				0.0				50.0'-55.0'	**Bedrock**
52				0.0					
53		NA		0.0					
54				0.0					
55				0.0					
56				0.0				55.0'-60.0'	**Bedrock**
57				0.0					
58		NA		0.0					
59				0.0					
60				0.0					
								DRILLING ENDED @ 60.0' bgs	

Boring/Well Construction



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TOS = Top of Sand
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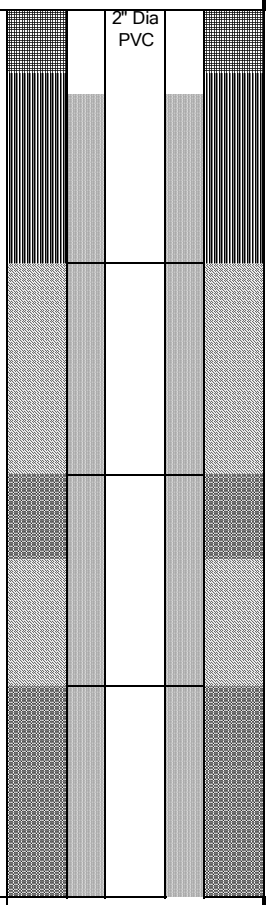
Plug, Slurry, Concrete, Sand, Screen, SW-SM, SM, FILL, ROCK, SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-1**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **23/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**70.0'**
COMPLETION DATE: **24/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**55.27'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**49.19'**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser**	DEPTH TO WATER:	**49.00'**
SCREENED INTERVAL: **45'-55'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC:	**46.96'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	
0				0.0				0.0'-8.0"	**Concrete Slab**
1				0.0				8.0"-5.0'	**Fill Material.** Loose coarse sand with large gravel and brick fagments throughout, dry.
2				0.0					
3		NA		0.0					**Note:** Cobble @ 3'
4				0.0					
5				0.0					
6				0.0				5.0'-9.0'	**(SW-SM) Well graded sand wih silt.** Medium dense, Strong Brown (7.5 YR 4/6) fine sand with silt, small-medium gravel, medium plasticity, dry.
7				0.0					
8		NA		0.0					
9				0.0				9.0'-10.0'	**(SW-SM) Well graded sand wih silt.** Medium dense, Light Brown (7.5YR 6/3) fine sand with silt and small gravel, medium plasticity, dry.
10				0.0					
11				0.0				10.0'-12.0'	**(SW) Well Graded Sand.** Loose, medium dense Brownish Yellow (10YR 6/8) fine sand, small gravel and brick fragments throughout, dry.
12				0.0					
13		NA		0.0				12.0' - 15.0'	**(SW-SM) Well graded sand wih silt.** Medium dense, Light Brown (7.5YR 6/3) fine sand with silt and small gravel, medium plasticity, dry
14				0.0					
15				0.0					**Note**: Rock observed @ 15.0'
16				0.0				15.0'-20.0'	**(SW) Well Graded Sand.** Loose, Med. Dense Brownish Yellow (10YR 6/8) coarse sand with medium to large gravel throughout, dry.
17				0.0					
18		NA		0.0					
19				0.0					
20				0.0					

CONTINUE BORING TO 40.0' ON PAGE 2

Boring/Well Construction



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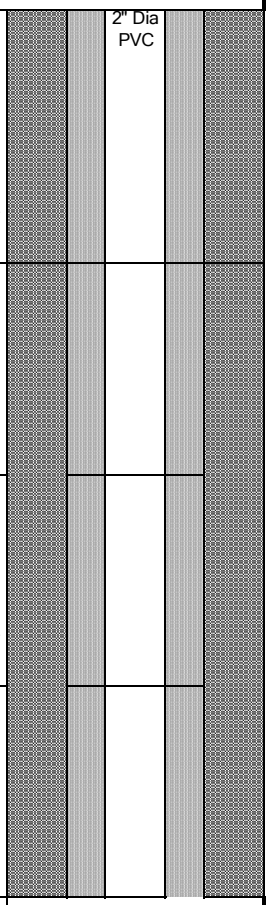
Plug
Slurry
Concrete
Sand
Screen
SW-SM
SM
FILL
ROCK
SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-1**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **23/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**70.0'**
COMPLETION DATE: **24/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**55.27'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**49.19**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser**	DEPTH TO WATER:	**49.00'**
SCREENED INTERVAL: **45'-55'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC:	**46.96'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	
20		NA		0.0				20.0'-25.0'	**(SW) Well Graded Sand.** Loose, Light Brown (7.5YR 6/3) coarse sand with medium to large gravel throughout, dry.
21				0.0					
22				0.0					
23				0.0					
24				0.0					
25				0.0					
26		NA		0.0				25.0'-27.0'	**(SW) Well Graded Sand.** Loose, Light Brown (7.5YR 6/3) coarse sand with medium to large gravel throughout, dry.
27				0.0					
28				0.0				27.0'-30.0'	**(SW) Well Graded Sand.** Very loose, Light Brown (7.5YR 6/3) fine sand, dry.
29				0.0					
30				0.0					
31		NA		0.0				30.0'-35.0'	**(SW) Well Graded Sand.** Very loose, Light Brown (7.5YR 6/3), fine sand, dry.
32				0.0					
33				0.0					
34				0.0					
35				0.0					
36		NA		0.0				35.0'-40.0'	**(SW) Well Graded Sand.** Very loose, Light Brown (7.5YR 6/3), fine sand, dry.
37				0.0					
38				0.0					
39				0.0					
40				0.0					

Boring/Well Construction



CONTINUE BORING TO 60.0' ON PAGE 3

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Plug
Slurry
Concrete
Sand
Screen
SW-SM
SM
FILL
ROCK
SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID: **MW-1**
500 International Drive , Suite 150	PROJECT:	**2015059**	
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**	
START DATE: **23/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH: **60.0'**
COMPLETION DATE: **24/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH: **55.27'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION: **49.19**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser**	DEPTH TO WATER: **49.00'**
SCREENED INTERVAL: **45'-55'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC: **46.96'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE: **2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction
40				0.0				40.0'-45.0' **(SW) Well Graded Sand.** Loose, Light Brown (7.5YR 6/3), coarse sand with medium to large gravel throughout, dry.	2" Dia PVC
41				0.0					
42				0.0					
43		NA		0.0				**Bentonite plug from 42.0' - 44.0'**	
44				0.0					
45				0.0					
46				0.0				45.0'-50.0' **(SW) Well Graded Sand.** Loose, Light Brown (7.5YR 6/3) coarse sand with medium to large gravel throughout, dry.	
47				0.0			V		
48		NA		0.0				**Static Water @ 46.96' (i.e. Depth to water reading with interface probe after well is installed).**	
49				0.0					
50				0.0				**Note:** moist sand observed @ 50.0' bgs	
51				0.0				50.0' - 55.0' **(SW) Well Graded Sand.** Loose, Light Brown (7.5YR 6/3) coarse sand with small to medium gravel throughout, moist.	
52				0.0					
53		NA		0.0					
54				0.0					
55				0.0					
56				0.0				55.0'-60.0' **(SW) Well Graded Sand.** Very loose, Light Brown (7.5YR 6/3), fine sand, dry.	
57				0.0					
58		NA		0.0					
59				0.0					
60				0.0					
								DRILLING ENDED @ 60.0' bgs	

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SPT = Standard Penetration Test	SS = Split Spoon	BH = Bore Hole	HS = Headspace	TOSC = Top of Screen
CAL = Calibration	A = Auger Cuttings	GS = Grab Sample	V = Water Level	TOS = Top of Sand
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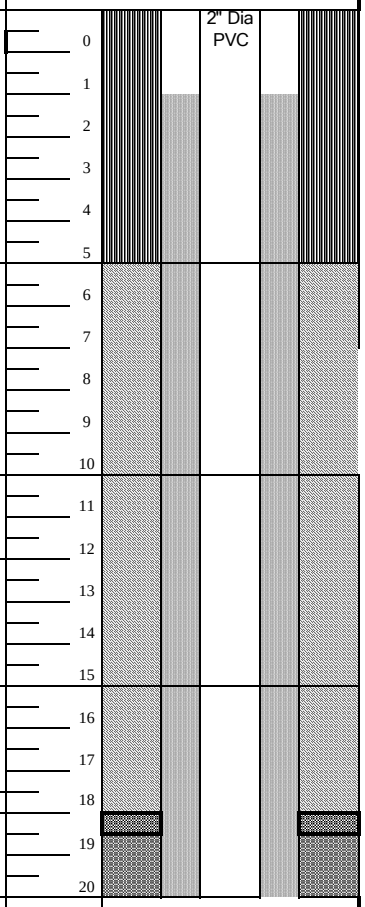
Plug, Slurry, Concrete, Sand, Screen

SW-SM, SM, FILL, ROCK, SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-4**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **24/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**60.0'**
COMPLETION DATE: **24/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**53.95'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**48.13'**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser**	DEPTH TO WATER:	**45.65'**
SCREENED INTERVAL: **44'-54'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC:	**45.65'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	
0		NA		0.0				0.0'-5.0'	**Fill Material.** Medium dense, coarse sand with brick fragments and large gravel and some silt, dry.
1				0.0					
2				0.0					
3				0.0					
4				0.0					
5				0.0					
6		NA		0.0				5.0'-10.0'	**(SW-SM) Well graded sand wih silt.** Loose, Yellowish-red (5YR 4/6) fine sand with silt, dry.
7				0.0					
8				0.0					
9				0.0					
10				0.0					
11		NA		0.0				10.0'-12.0'	**(SW-SM) Well graded sand wih silt.** Loose, Yellowish-red (5YR 4/6) fine sand with some silt, dry.
12				0.0					
13				0.0				12.0'-15.0'	**(SW-SM) Well graded sand wih silt.** Medium Dense, Dark Brown (7.5YR 3/3) coarse sand with silt. Brick fragments and large rocks were observed throughout, dry.
14				0.0					
15				0.0					
16		NA		0.0				15.0'-18.0'	**(SW-SM) Well graded sand wih silt.** Loose, Yellowish-red (5YR 4/6) fine sand with some silt, dry.
17				0.0					
18				0.0				18.0'-18.5	**Rock**
19				0.0				18.5'-20.0'	**(SW) Well graded sand.** Medium dense, Dark Brown (7.5YR 3/3) coarse sand with medium gravel throughout. Brick fragments were observed throghout, dry.
20				0.0					

Boring/Well Construction



CONTINUE BORING TO 40.0' ON PAGE 2

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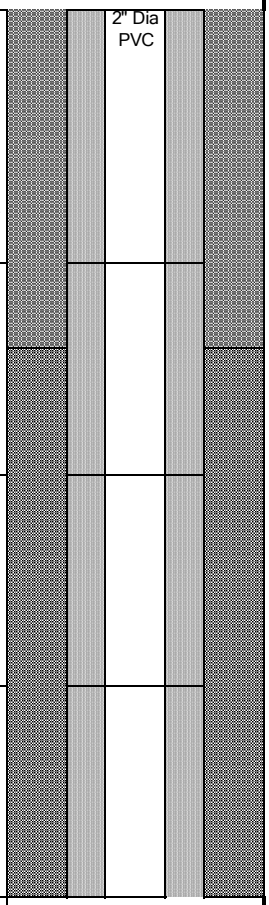
Plug
Slurry
Concrete
Sand
Screen
SW-SM
SM
FILL
ROCK
SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-4**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **24/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**60.0'**
COMPLETION DATE: **24/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**53.95'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**48.13**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser**	DEPTH TO WATER:	**45.65'**
SCREENED INTERVAL: **44'-54'**	WELL TYPE:	**Standpipe**	WATER LEVEL STATIC:	**45.65'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks
20				0.0				20.0'-25.0' **(SW) Well graded sand.** Medium dense, Dark Brown (7.5YR 3/3), coarse sand with large gravel throughout. cobbles were observed throghout, dry.
21				0.0				
22				0.0				
23		NA		0.0				
24				0.0				
25				0.0				
26				0.0				25.0'-27.0' **(SW) Well graded sand.** Medium Dense, Dark Brown (7.5YR 3/3) coarse sand with large gravel throughout, cobbles were observed throghout, dry.
27				0.0				
28		NA		0.0				27.0 -30.0' **Bedrock** **Note:** Rig could not advance passed 27.0' due to bedrock refusal. Sampling drill casing was replaced with driving casing to advance through bedrock.
29				0.0				
30				0.0				
31				0.0				30.0'-35.0' **Bedrock**
32				0.0				
33		NA		0.0				
34				0.0				
35				0.0				
36				0.0				35.0'-40.0' **Bedrock**
37				0.0				
38		NA		0.0				
39				0.0				
40				0.0				

CONTINUE BORING TO 60.0' ON PAGE 3

Boring/Well Construction



KEY:

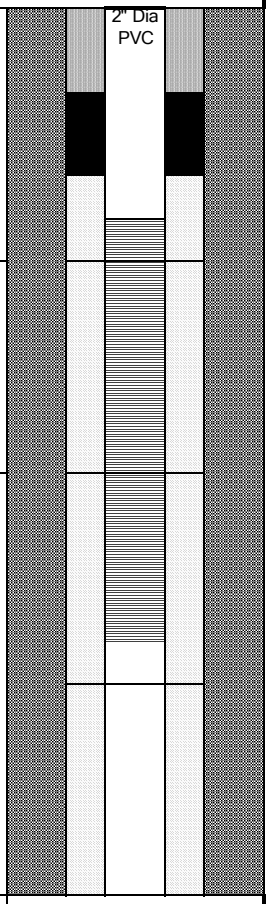
SPT = Standard Penetration Test
CAL = Calibration
BZ = Breathing Zone
SS = Split Spoon
A = Auger Cuttings
GP = Geoprobe
BH = Bore Hole
GS = Grab Sample
C = Composite
HS = Headspace
V = Water Level
TOB = Top of Bentonite
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Plug
Slurry
Concrete
Sand
Screen
SW-SM
SM
FILL
ROCK
SW

Equity Environmental Engineering	CLIENT:	**LPC Dev. Group 95-105 S. 5th Street**	WELL ID:	**MW-4**
500 International Drive , Suite 150	PROJECT:	**2015059**		
Mt. Olive, New Jersey 07828	LOCATION:	**95-105 S. 5th Street Brooklyn, NY**		
START DATE: **24/12/2015**	DRILLING CO.:	**Aquifer Drilling and Testing**	TOTAL DEPTH:	**60.0'**
COMPLETION DATE: **24/12/2015**	DRILLER:	**Greg Rivera**	WELL DEPTH:	**53.95'**
BORING DIAMETER: **6"**	DRILL RIG / METHOD:	**Geoprobe 8140LC - Sonic**	CASING ELEVATION:	**48.13**
WELL DIAMETER: **2"**	LOGGED BY:	**Faron Moser**	DEPTH TO WATER:	**45.65'**
SCREENED INTERVAL: **44'-54'**	WELL TYPE:	**Flush Mount**	WATER LEVEL STATIC:	**45.65'**
SCREEN TYPE / SLOT: **2" diameter PVC/ 020 Slot**	FILTER PACK:	**# 2 Well Grade Sand**	CASING TYPE:	**2" diameter SCH40 PVC**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks
40				0.0				40.0'-45.0' **Bedrock**
41				0.0				
42				0.0				**Bentonite plug from 41.0' - 43.0'**
43		NA		0.0				
44				0.0				
45				0.0				
46				0.0			V	45.0'-50.0' **Bedrock** **Water @ 45.65' bgs**
47				0.0				
48		NA		0.0				
49				0.0				
50				0.0				
51				0.0				50.0'-55.0' **Bedrock**
52				0.0				
53		NA		0.0				
54				0.0				
55				0.0				
56				0.0				55.0'-60.0' **Bedrock**
57				0.0				
58		NA		0.0				
59				0.0				
60				0.0				
								DRILLING ENDED @ 60.0' bgs

Boring/Well Construction



KEY:

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GS = Grab Sample
C = Composite
HS = Headspace
V = Water Level
TOB = Top of Bentonite
TOSC = Top of Screen
TOS = Top of Sand
CB = Curb Box

Grout
Bentonite
Sand
Screen

SP-SM
SM
SP
ROCK
SW

Appendix E

Laboratory Data Deliverables for Soil Analytical Data

New Jersey
ACCUTEST LABORATORIES

11/09/15

Technical Report for

Equity Environmental Engineering

Procida, 105 South 5th Street, Brooklyn, NY

2014074

Accutest Job Number: JC7278

Sampling Date: 10/27/15

Report to:

Equity Environmental Engineering

bob.jackson@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **62**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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Sample Summary

Equity Environmental Engineering

Job No: JC7278

Procida, 105 South 5th Street, Brooklyn, NY
Project No: 2014074

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC7278-1	10/27/15	09:50 FM		10/28/15	SO	Soil	SB-1 (0'-2')
JC7278-2	10/27/15	10:05 FM		10/28/15	SO	Soil	SB-1 (2'-4')
JC7278-3	10/27/15	11:10 FM		10/28/15	SO	Soil	SB-2 (0'-2')
JC7278-4	10/27/15	11:15 FM		10/28/15	SO	Soil	SB-2 (2'-4')
JC7278-5	10/27/15	13:00 FM		10/28/15	SO	Soil	SB-3 (0'-2')
JC7278-6	10/27/15	13:20 FM		10/28/15	SO	Soil	SB-3 (12'-14')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Equity Environmental Engineering	**Job No**	JC7278
Site:	Procida, 105 South 5th Street, Brooklyn, NY	**Report Date**	11/5/2015 4:09:32 PM

On 10/28/2015, 6 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 4.3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC7278 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: SO **Batch ID:** VI8394

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC3311-6MS, JC3311-6MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Methyl Acetate are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Methyl Acetate are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MS/MSD for Trichlorofluoromethane are outside control limits. Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** VI8396

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7512-4MS, JC7512-5DUP were used as the QC samples indicated.

Matrix: SO **Batch ID:** VY6923

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC7182-8MS, JC7182-8MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270D

Matrix: SO **Batch ID:** OP88530

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7278-1MS, JC7278-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 2,3,4,6-Tetrachlorophenol, 2,4,6-Trichlorophenol, Pentachlorophenol are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MS/MSD for 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Pentachlorophenol are outside of in house control limits.
- OP88530-MS for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** OP88613

- All samples were extracted within the recommended method holding time.
- Sample(s) JC7512-1MS, JC7512-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8081B

Matrix: SO **Batch ID:** OP88526

- All samples were extracted within the recommended method holding time.
- Sample(s) JC7278-2MS, JC7278-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MS/MSD for gamma-Chlordane are outside control limits Analytical precision exceeds in-house control limits.
- OP88526-BS1 for gamma-Chlordane: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (20%) so using for confirmation only.

Extractables by GC By Method SW846 8082A

Matrix: SO **Batch ID:** OP88525

- All samples were extracted within the recommended method holding time.
- Sample(s) JC7244-3AMS, JC7244-3AMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP88525-BS1 for Aroclor 1260: Reported from 2nd signal. %D of end check calibration on 1st signal exceed method criteria (20%) so using for confirmation only.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP89960

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC6800-11MS, JC6800-11MSD, JC6800-11SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Cadmium, Sodium are outside control limits . Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7471B

Matrix: SO	**Batch ID:** MP89963

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7278-6MS, JC7278-6MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix: SO	**Batch ID:** GN35287

- The data for SM2540 G-97 meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC7278
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/27/15

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC7278-1	**SB-1 (0'-2')**					
Tetrachloroethene		0.0012 J	0.0020	0.00031	mg/kg	SW846 8260C
Trichloroethene		0.0019	0.0010	0.00015	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0153 J	0.038	0.0073	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0261 J	0.038	0.0077	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0153 J	0.075	0.0070	mg/kg	SW846 8270D
Chrysene		0.0234 J	0.038	0.0061	mg/kg	SW846 8270D
Fluoranthene		0.0255 J	0.038	0.0046	mg/kg	SW846 8270D
Phenanthrene		0.0222 J	0.038	0.0042	mg/kg	SW846 8270D
Pyrene		0.0212 J	0.038	0.0047	mg/kg	SW846 8270D
Endrin ketone		0.0048	0.00074	0.00039	mg/kg	SW846 8081B
Aluminum		8540	57		mg/kg	SW846 6010C
Arsenic		3.2	2.3		mg/kg	SW846 6010C
Barium		52.3	23		mg/kg	SW846 6010C
Beryllium		0.36	0.23		mg/kg	SW846 6010C
Calcium		55600	1700		mg/kg	SW846 6010C
Chromium		12.8	1.1		mg/kg	SW846 6010C
Copper		13.4	2.8		mg/kg	SW846 6010C
Iron		9560	57		mg/kg	SW846 6010C
Lead		392	2.3		mg/kg	SW846 6010C
Magnesium		4540	570		mg/kg	SW846 6010C
Manganese		226	1.7		mg/kg	SW846 6010C
Mercury		0.97	0.066		mg/kg	SW846 7471B
Nickel		9.0	4.6		mg/kg	SW846 6010C
Vanadium		18.8	5.7		mg/kg	SW846 6010C
Zinc		29.4	5.7		mg/kg	SW846 6010C
JC7278-2	**SB-1 (2'-4')**					
Tetrachloroethene		0.0012 J	0.0021	0.00031	mg/kg	SW846 8260C
Trichloroethene		0.0010	0.0010	0.00015	mg/kg	SW846 8260C
Anthracene		0.0281 J	0.043	0.0037	mg/kg	SW846 8270D
Benzo(a)anthracene		0.137	0.043	0.0083	mg/kg	SW846 8270D
Benzo(a)pyrene		0.149	0.043	0.0091	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.178	0.043	0.0088	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0991	0.043	0.013	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0554	0.043	0.0096	mg/kg	SW846 8270D
Chrysene		0.141	0.043	0.0069	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0272 J	0.043	0.015	mg/kg	SW846 8270D
Fluoranthene		0.317	0.043	0.0052	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0947	0.043	0.022	mg/kg	SW846 8270D
Phenanthrene		0.173	0.043	0.0048	mg/kg	SW846 8270D
Pyrene		0.232	0.043	0.0054	mg/kg	SW846 8270D
Aluminum		11200	68		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC7278
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/27/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Arsenic		3.5	2.7		mg/kg	SW846 6010C
Barium		58.2	27		mg/kg	SW846 6010C
Beryllium		0.55	0.27		mg/kg	SW846 6010C
Calcium		3680	680		mg/kg	SW846 6010C
Chromium		22.4	1.4		mg/kg	SW846 6010C
Cobalt		8.1	6.8		mg/kg	SW846 6010C
Copper		18.9	3.4		mg/kg	SW846 6010C
Iron		20500	68		mg/kg	SW846 6010C
Lead		51.2	2.7		mg/kg	SW846 6010C
Magnesium		2110	680		mg/kg	SW846 6010C
Manganese		556	2.0		mg/kg	SW846 6010C
Mercury		0.42	0.038		mg/kg	SW846 7471B
Nickel		14.5	5.5		mg/kg	SW846 6010C
Vanadium		31.4	6.8		mg/kg	SW846 6010C
Zinc		40.5	6.8		mg/kg	SW846 6010C
JC7278-3	**SB-2 (0'-2')**					
Tetrachloroethene		0.0031	0.0030	0.00045	mg/kg	SW846 8260C
Trichloroethene		0.0045	0.0015	0.00022	mg/kg	SW846 8260C
Acenaphthylene		0.0645	0.036	0.0037	mg/kg	SW846 8270D
Anthracene		0.122	0.036	0.0031	mg/kg	SW846 8270D
Benzo(a)anthracene		0.569	0.036	0.0069	mg/kg	SW846 8270D
Benzo(a)pyrene		0.571	0.036	0.0076	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.681	0.036	0.0073	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.382	0.036	0.011	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.256	0.036	0.0079	mg/kg	SW846 8270D
Carbazole		0.0371 J	0.071	0.0039	mg/kg	SW846 8270D
Caprolactam		0.0546 J	0.071	0.023	mg/kg	SW846 8270D
Chrysene		0.539	0.036	0.0057	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0988	0.036	0.013	mg/kg	SW846 8270D
Dibenzofuran		0.0175 J	0.071	0.0049	mg/kg	SW846 8270D
Fluoranthene		1.10	0.036	0.0043	mg/kg	SW846 8270D
Fluorene		0.0249 J	0.036	0.0042	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.407	0.036	0.018	mg/kg	SW846 8270D
Naphthalene		0.0319 J	0.036	0.0057	mg/kg	SW846 8270D
Phenanthrene		0.441	0.036	0.0039	mg/kg	SW846 8270D
Pyrene		1.03	0.036	0.0044	mg/kg	SW846 8270D
4,4'-DDT		0.0017	0.00070	0.00027	mg/kg	SW846 8081B
Aluminum		4440	54		mg/kg	SW846 6010C
Arsenic		4.0	2.2		mg/kg	SW846 6010C
Barium		39.7	22		mg/kg	SW846 6010C
Beryllium		0.26	0.22		mg/kg	SW846 6010C
Calcium		13500	540		mg/kg	SW846 6010C
Chromium		14.1	1.1		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC7278
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/27/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		15.1	2.7		mg/kg	SW846 6010C
Iron		9600	54		mg/kg	SW846 6010C
Lead		65.6	2.2		mg/kg	SW846 6010C
Magnesium		1170	540		mg/kg	SW846 6010C
Manganese		274	1.6		mg/kg	SW846 6010C
Mercury		0.33	0.034		mg/kg	SW846 7471B
Nickel		8.2	4.3		mg/kg	SW846 6010C
Vanadium		14.6	5.4		mg/kg	SW846 6010C
Zinc		29.3	5.4		mg/kg	SW846 6010C
JC7278-4	**SB-2 (2'-4')**					
Tetrachloroethene		0.0060	0.0020	0.00030	mg/kg	SW846 8260C
Trichloroethene		0.0073	0.0010	0.00015	mg/kg	SW846 8260C
Aluminum		12600	55		mg/kg	SW846 6010C
Arsenic		4.0	2.2		mg/kg	SW846 6010C
Barium		45.3	22		mg/kg	SW846 6010C
Beryllium		0.56	0.22		mg/kg	SW846 6010C
Calcium		1350	550		mg/kg	SW846 6010C
Chromium		20.1	1.1		mg/kg	SW846 6010C
Cobalt		8.4	5.5		mg/kg	SW846 6010C
Copper		28.1	2.8		mg/kg	SW846 6010C
Iron		23100	55		mg/kg	SW846 6010C
Lead		13.5	2.2		mg/kg	SW846 6010C
Magnesium		2120	550		mg/kg	SW846 6010C
Manganese		336	1.7		mg/kg	SW846 6010C
Nickel		12.8	4.4		mg/kg	SW846 6010C
Potassium		1380	1100		mg/kg	SW846 6010C
Vanadium		28.6	5.5		mg/kg	SW846 6010C
Zinc		34.3	5.5		mg/kg	SW846 6010C
JC7278-5	**SB-3 (0'-2')**					
Tetrachloroethene		0.00035 J	0.0020	0.00031	mg/kg	SW846 8260C
Trichloroethene		0.00041 J	0.0010	0.00015	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0323 J	0.040	0.0078	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0346 J	0.040	0.0086	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0475	0.040	0.0083	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0247 J	0.040	0.012	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0212 J	0.040	0.0090	mg/kg	SW846 8270D
Chrysene		0.0317 J	0.040	0.0065	mg/kg	SW846 8270D
Fluoranthene		0.0423	0.040	0.0049	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0325 J	0.040	0.021	mg/kg	SW846 8270D
Phenanthrene		0.0235 J	0.040	0.0045	mg/kg	SW846 8270D
Pyrene		0.0300 J	0.040	0.0050	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC7278
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/27/15

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Aluminum		13900	60		mg/kg	SW846 6010C
Arsenic		3.9	2.4		mg/kg	SW846 6010C
Barium		80.7	24		mg/kg	SW846 6010C
Beryllium		0.78	0.24		mg/kg	SW846 6010C
Calcium		1840	600		mg/kg	SW846 6010C
Chromium		19.2	1.2		mg/kg	SW846 6010C
Cobalt		6.8	6.0		mg/kg	SW846 6010C
Copper		12.5	3.0		mg/kg	SW846 6010C
Iron		17300	60		mg/kg	SW846 6010C
Lead		40.1	2.4		mg/kg	SW846 6010C
Magnesium		1900	600		mg/kg	SW846 6010C
Manganese		539	1.8		mg/kg	SW846 6010C
Mercury		0.070	0.039		mg/kg	SW846 7471B
Nickel		15.5	4.8		mg/kg	SW846 6010C
Vanadium		28.3	6.0		mg/kg	SW846 6010C
Zinc		36.6	6.0		mg/kg	SW846 6010C
JC7278-6	**SB-3 (12'-14')**					
Aluminum		4030	51		mg/kg	SW846 6010C
Barium		21.4	21		mg/kg	SW846 6010C
Beryllium		0.25	0.21		mg/kg	SW846 6010C
Calcium		942	510		mg/kg	SW846 6010C
Chromium		11.1	1.0		mg/kg	SW846 6010C
Copper		6.6	2.6		mg/kg	SW846 6010C
Iron		7740	51		mg/kg	SW846 6010C
Lead		3.0	2.1		mg/kg	SW846 6010C
Magnesium		1500	510		mg/kg	SW846 6010C
Manganese		203	1.5		mg/kg	SW846 6010C
Nickel		11.9	4.1		mg/kg	SW846 6010C
Vanadium		12.3	5.1		mg/kg	SW846 6010C
Zinc		15.3	5.1		mg/kg	SW846 6010C

New Jersey
ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SB-1 (0'-2')		
Lab Sample ID:	JC7278-1	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	88.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y158511.D	1	11/02/15	PS	10/29/15 08:00	n/a	VY6923
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.010	0.0023	mg/kg	
71-43-2	Benzene	ND	0.00051	0.00014	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00032	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00016	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00037	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0020	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00023	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00024	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.00049	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00015	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.00027	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00032	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00056	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00013	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00013	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00016	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00037	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00014	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00014	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00061	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00080	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00061	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00024	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00012	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00018	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.00046	mg/kg	
591-78-6	2-Hexanone	ND	0.0051	0.0014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (0'-2')		
Lab Sample ID:	JC7278-1	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	88.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00011	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.00088	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00023	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00016	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0051	0.00047	mg/kg	
75-09-2	Methylene chloride	ND	0.0051	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00018	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00018	mg/kg	
127-18-4	Tetrachloroethene	0.0012	0.0020	0.00031	mg/kg	J
108-88-3	Toluene	ND	0.0010	0.00021	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-01-6	Trichloroethene	0.0019	0.0010	0.00015	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00026	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00020	mg/kg	
	m,p-Xylene	ND	0.0010	0.00036	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00028	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-122%
17060-07-0	1,2-Dichloroethane-D4	92%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	109%		72-130%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (0'-2')		
Lab Sample ID:	JC7278-1	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E77578.D	1	11/03/15	AN	11/03/15	OP88613	E3E3376
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.075	0.028	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.034	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.030	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.069	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.19	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.19	0.071	mg/kg	
95-48-7	2-Methylphenol	ND	0.075	0.054	mg/kg	
	3&4-Methylphenol	ND	0.075	0.036	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.035	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	0.064	mg/kg	
87-86-5	Pentachlorophenol	ND	0.19	0.092	mg/kg	
108-95-2	Phenol	ND	0.075	0.028	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.035	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.034	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.030	mg/kg	
83-32-9	Acenaphthene	ND	0.038	0.035	mg/kg	
208-96-8	Acenaphthylene	ND	0.038	0.0039	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0064	mg/kg	
120-12-7	Anthracene	ND	0.038	0.0032	mg/kg	
1912-24-9	Atrazine	ND	0.075	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	0.0153	0.038	0.0073	mg/kg	J
50-32-8	Benzo(a)pyrene	ND	0.038	0.0080	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0261	0.038	0.0077	mg/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	0.038	0.011	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.038	0.0084	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.075	0.0086	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.075	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	0.0153	0.075	0.0070	mg/kg	J
100-52-7	Benzaldehyde	ND	0.19	0.0094	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.075	0.0054	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.010	mg/kg	
86-74-8	Carbazole	ND	0.075	0.0042	mg/kg	

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (0'-2')		
Lab Sample ID:	JC7278-1	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.075	0.024	mg/kg	
218-01-9	Chrysene	0.0234	0.038	0.0061	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.075	0.0085	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.075	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.075	0.0086	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.075	0.0071	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.038	0.0071	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.038	0.0097	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.075	0.025	mg/kg	
123-91-1	1,4-Dioxane	ND	0.038	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.038	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.075	0.0052	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.075	0.0044	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.075	0.0051	mg/kg	
84-66-2	Diethyl phthalate	ND	0.075	0.0048	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.075	0.0054	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.075	0.013	mg/kg	
206-44-0	Fluoranthene	0.0255	0.038	0.0046	mg/kg	J
86-73-7	Fluorene	ND	0.038	0.0045	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.075	0.0074	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.038	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.38	0.060	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.038	0.019	mg/kg	
78-59-1	Isophorone	ND	0.075	0.0070	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.075	0.0070	mg/kg	
88-74-4	2-Nitroaniline	ND	0.19	0.0085	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.013	mg/kg	
91-20-3	Naphthalene	ND	0.038	0.0060	mg/kg	
98-95-3	Nitrobenzene	ND	0.075	0.012	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.075	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.020	mg/kg	
85-01-8	Phenanthrene	0.0222	0.038	0.0042	mg/kg	J
129-00-0	Pyrene	0.0212	0.038	0.0047	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.19	0.0090	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (0'-2')		
Lab Sample ID:	JC7278-1	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	72%		30-106%
118-79-6	2,4,6-Tribromophenol	85%		24-140%
4165-60-0	Nitrobenzene-d5	91%		26-122%
321-60-8	2-Fluorobiphenyl	80%		36-112%
1718-51-0	Terphenyl-d14	81%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (0'-2')		
Lab Sample ID:	JC7278-1	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	88.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28770.D	1	11/04/15	YD	10/30/15	OP88526	G6G845
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00074	0.00066	mg/kg	
319-84-6	alpha-BHC	ND	0.00074	0.00049	mg/kg	
319-85-7	beta-BHC	ND	0.00074	0.00045	mg/kg	
319-86-8	delta-BHC	ND	0.00074	0.00029	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00074	0.00034	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00074	0.00039	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00074	0.00056	mg/kg	
60-57-1	Dieldrin	ND	0.00074	0.00058	mg/kg	
72-54-8	4,4'-DDD	ND	0.00074	0.00027	mg/kg	
72-55-9	4,4'-DDE	ND	0.00074	0.00025	mg/kg	
50-29-3	4,4'-DDT	ND	0.00074	0.00028	mg/kg	
72-20-8	Endrin	ND	0.00074	0.00026	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00074	0.00042	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00074	0.00055	mg/kg	
959-98-8	Endosulfan-I	ND	0.00074	0.00024	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00074	0.00070	mg/kg	
76-44-8	Heptachlor	ND	0.00074	0.00061	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00074	0.00030	mg/kg	
72-43-5	Methoxychlor	ND	0.0015	0.00041	mg/kg	
53494-70-5	Endrin ketone	0.0048	0.00074	0.00039	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		24-136%
877-09-8	Tetrachloro-m-xylene	70%		24-136%
2051-24-3	Decachlorobiphenyl	68%		10-153%
2051-24-3	Decachlorobiphenyl	104%		10-153%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (0'-2')		
Lab Sample ID:	JC7278-1	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	88.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121747.D	1	10/30/15	DG	10/30/15	OP88525	G2G3507
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.037	0.012	mg/kg	
11104-28-2	Aroclor 1221	ND	0.037	0.022	mg/kg	
11141-16-5	Aroclor 1232	ND	0.037	0.012	mg/kg	
53469-21-9	Aroclor 1242	ND	0.037	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.037	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.037	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.037	0.016	mg/kg	
11100-14-4	Aroclor 1268	ND	0.037	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.037	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		20-152%
877-09-8	Tetrachloro-m-xylene	95%		20-152%
2051-24-3	Decachlorobiphenyl	87%		12-157%
2051-24-3	Decachlorobiphenyl	126%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (0'-2')		
Lab Sample ID:	JC7278-1	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
		Percent Solids:	88.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8540	57	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Arsenic	3.2	2.3	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Barium	52.3	23	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.36	0.23	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.57	0.57	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Calcium	55600	1700	mg/kg	3	10/29/15	11/02/15	BS	SW846 6010C [3]	SW846 3050B [4]
Chromium	12.8	1.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 5.7	5.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Copper	13.4	2.8	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Iron	9560	57	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Lead	392	2.3	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Magnesium	4540	570	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Manganese	226	1.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.97	0.066	mg/kg	2	10/30/15	10/30/15	FP	SW846 7471B [1]	SW846 7471B [5]
Nickel	9.0	4.6	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.57	0.57	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Vanadium	18.8	5.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]
Zinc	29.4	5.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA37902
(2) Instrument QC Batch: MA37911
(3) Instrument QC Batch: MA37929
(4) Prep QC Batch: MP89960
(5) Prep QC Batch: MP89963

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-1 (2'-4')		
Lab Sample ID:	JC7278-2	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	76.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I209251.D	1	11/03/15	SJM	10/29/15 08:00	n/a	VI8396
Run #2							

	Initial Weight
Run #1	6.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.010	0.0023	mg/kg	
71-43-2	Benzene	ND	0.00052	0.00014	mg/kg	
74-97-5	Bromochloromethane	ND	0.0052	0.00032	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	0.00016	mg/kg	
75-25-2	Bromoform	ND	0.0052	0.00025	mg/kg	
74-83-9	Bromomethane	ND	0.0052	0.00038	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0020	mg/kg	
75-15-0	Carbon disulfide	ND	0.0021	0.00024	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	0.00024	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0052	0.00050	mg/kg	
67-66-3	Chloroform	ND	0.0021	0.00015	mg/kg	
74-87-3	Chloromethane	ND	0.0052	0.00027	mg/kg	
110-82-7	Cyclohexane	ND	0.0021	0.00033	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0021	0.00057	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0021	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00014	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00013	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00016	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0052	0.00038	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00015	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00014	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00061	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00081	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00062	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0021	0.00025	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	0.00012	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	0.00018	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0052	0.00047	mg/kg	
591-78-6	2-Hexanone	ND	0.0052	0.0014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (2'-4')		
Lab Sample ID:	JC7278-2	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	76.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0021	0.00011	mg/kg	
79-20-9	Methyl Acetate	ND	0.0052	0.00089	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0021	0.00024	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00016	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0052	0.00048	mg/kg	
75-09-2	Methylene chloride	ND	0.0052	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0021	0.00018	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0021	0.00018	mg/kg	
127-18-4	Tetrachloroethene	0.0012	0.0021	0.00031	mg/kg	J
108-88-3	Toluene	ND	0.0010	0.00022	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0052	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0052	0.00018	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	0.00015	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	0.00015	mg/kg	
79-01-6	Trichloroethene	0.0010	0.0010	0.00015	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0052	0.00026	mg/kg	
75-01-4	Vinyl chloride	ND	0.0021	0.00020	mg/kg	
	m,p-Xylene	ND	0.0010	0.00037	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00028	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-122%
17060-07-0	1,2-Dichloroethane-D4	96%		68-124%
2037-26-5	Toluene-D8	95%		77-125%
460-00-4	4-Bromofluorobenzene	92%		72-130%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (2'-4')		
Lab Sample ID:	JC7278-2	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	76.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E77492.D	1	10/31/15	SW	10/30/15	OP88530	E3E3373
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.086	0.032	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.039	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.034	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.079	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.21	0.19	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.21	0.082	mg/kg	
95-48-7	2-Methylphenol	ND	0.086	0.062	mg/kg	
	3&4-Methylphenol	ND	0.086	0.041	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.040	mg/kg	
100-02-7	4-Nitrophenol	ND	0.43	0.073	mg/kg	
87-86-5	Pentachlorophenol	ND	0.21	0.10	mg/kg	
108-95-2	Phenol	ND	0.086	0.032	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.040	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.039	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.035	mg/kg	
83-32-9	Acenaphthene	ND	0.043	0.040	mg/kg	
208-96-8	Acenaphthylene	ND	0.043	0.0045	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0073	mg/kg	
120-12-7	Anthracene	0.0281	0.043	0.0037	mg/kg	J
1912-24-9	Atrazine	ND	0.086	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	0.137	0.043	0.0083	mg/kg	
50-32-8	Benzo(a)pyrene	0.149	0.043	0.0091	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.178	0.043	0.0088	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0991	0.043	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0554	0.043	0.0096	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.086	0.0098	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.086	0.023	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.086	0.0079	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.086	0.0061	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.011	mg/kg	
86-74-8	Carbazole	ND	0.086	0.0048	mg/kg	

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (2'-4')		
Lab Sample ID:	JC7278-2	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	76.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.086	0.028	mg/kg	
218-01-9	Chrysene	0.141	0.043	0.0069	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.086	0.0097	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.086	0.018	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.086	0.0098	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.086	0.0081	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.043	0.0081	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.043	0.011	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.086	0.028	mg/kg	
123-91-1	1,4-Dioxane	ND	0.043	0.029	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0272	0.043	0.015	mg/kg	J
132-64-9	Dibenzofuran	ND	0.086	0.0060	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.086	0.0051	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.086	0.0058	mg/kg	
84-66-2	Diethyl phthalate	ND	0.086	0.0055	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.086	0.0061	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.086	0.015	mg/kg	
206-44-0	Fluoranthene	0.317	0.043	0.0052	mg/kg	
86-73-7	Fluorene	ND	0.043	0.0051	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.086	0.0085	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.043	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.43	0.068	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.014	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0947	0.043	0.022	mg/kg	
78-59-1	Isophorone	ND	0.086	0.0080	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.086	0.0080	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.0097	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.012	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.043	0.0069	mg/kg	
98-95-3	Nitrobenzene	ND	0.086	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.086	0.013	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.023	mg/kg	
85-01-8	Phenanthrene	0.173	0.043	0.0048	mg/kg	
129-00-0	Pyrene	0.232	0.043	0.0054	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		30-106%

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Report of Analysis

Client Sample ID:	SB-1 (2'-4')		
Lab Sample ID:	JC7278-2	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	76.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	68%		30-106%
118-79-6	2,4,6-Tribromophenol	79%		24-140%
4165-60-0	Nitrobenzene-d5	91%		26-122%
321-60-8	2-Fluorobiphenyl	78%		36-112%
1718-51-0	Terphenyl-d14	80%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (2'-4')		
Lab Sample ID:	JC7278-2	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	76.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28668.D	1	10/30/15	YD	10/30/15	OP88526	G6G842
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00081	0.00072	mg/kg	
319-84-6	alpha-BHC	ND	0.00081	0.00054	mg/kg	
319-85-7	beta-BHC	ND	0.00081	0.00050	mg/kg	
319-86-8	delta-BHC	ND	0.00081	0.00032	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00081	0.00037	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00081	0.00043	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00081	0.00062	mg/kg	
60-57-1	Dieldrin	ND	0.00081	0.00063	mg/kg	
72-54-8	4,4'-DDD	ND	0.00081	0.00030	mg/kg	
72-55-9	4,4'-DDE	ND	0.00081	0.00027	mg/kg	
50-29-3	4,4'-DDT	ND	0.00081	0.00031	mg/kg	
72-20-8	Endrin	ND	0.00081	0.00029	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00081	0.00046	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00081	0.00060	mg/kg	
959-98-8	Endosulfan-I	ND	0.00081	0.00027	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00081	0.00076	mg/kg	
76-44-8	Heptachlor	ND	0.00081	0.00066	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00081	0.00033	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00045	mg/kg	
53494-70-5	Endrin ketone	ND	0.00081	0.00042	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		24-136%
877-09-8	Tetrachloro-m-xylene	72%		24-136%
2051-24-3	Decachlorobiphenyl	68%		10-153%
2051-24-3	Decachlorobiphenyl	79%		10-153%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (2'-4')		
Lab Sample ID:	JC7278-2	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	76.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121748.D	1	10/30/15	DG	10/30/15	OP88525	G2G3507
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.040	0.013	mg/kg	
11104-28-2	Aroclor 1221	ND	0.040	0.024	mg/kg	
11141-16-5	Aroclor 1232	ND	0.040	0.013	mg/kg	
53469-21-9	Aroclor 1242	ND	0.040	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.040	0.012	mg/kg	
11097-69-1	Aroclor 1254	ND	0.040	0.018	mg/kg	
11096-82-5	Aroclor 1260	ND	0.040	0.017	mg/kg	
11100-14-4	Aroclor 1268	ND	0.040	0.012	mg/kg	
37324-23-5	Aroclor 1262	ND	0.040	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		20-152%
877-09-8	Tetrachloro-m-xylene	95%		20-152%
2051-24-3	Decachlorobiphenyl	80%		12-157%
2051-24-3	Decachlorobiphenyl	95%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1 (2'-4')		
Lab Sample ID:	JC7278-2	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
		Percent Solids:	76.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11200	68	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Antimony	< 2.7	2.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Arsenic	3.5	2.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Barium	58.2	27	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.55	0.27	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.68	0.68	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Calcium	3680	680	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Chromium	22.4	1.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cobalt	8.1	6.8	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Copper	18.9	3.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Iron	20500	68	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Lead	51.2	2.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Magnesium	2110	680	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Manganese	556	2.0	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.42	0.038	mg/kg	1	10/30/15	10/30/15	FP	SW846 7471B [1]	SW846 7471B [4]
Nickel	14.5	5.5	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Potassium	< 1400	1400	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 2.7	2.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.68	0.68	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Sodium	< 1400	1400	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.4	1.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Vanadium	31.4	6.8	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Zinc	40.5	6.8	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA37902
(2) Instrument QC Batch: MA37911
(3) Prep QC Batch: MP89960
(4) Prep QC Batch: MP89963

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-2 (0'-2')		
Lab Sample ID:	JC7278-3	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	91.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y158512.D	1	11/02/15	PS	10/29/15 08:00	n/a	VY6923
Run #2							

	Initial Weight
Run #1	3.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.015	0.0033	mg/kg	
71-43-2	Benzene	ND	0.00074	0.00020	mg/kg	
74-97-5	Bromochloromethane	ND	0.0074	0.00046	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0030	0.00023	mg/kg	
75-25-2	Bromoform	ND	0.0074	0.00035	mg/kg	
74-83-9	Bromomethane	ND	0.0074	0.00054	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.015	0.0028	mg/kg	
75-15-0	Carbon disulfide	ND	0.0030	0.00034	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0030	0.00034	mg/kg	
108-90-7	Chlorobenzene	ND	0.0030	0.00023	mg/kg	
75-00-3	Chloroethane	ND	0.0074	0.00071	mg/kg	
67-66-3	Chloroform	ND	0.0030	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0074	0.00039	mg/kg	
110-82-7	Cyclohexane	ND	0.0030	0.00047	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0030	0.00081	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0030	0.00030	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0015	0.00019	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0015	0.00018	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0015	0.00023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0015	0.00033	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0074	0.00054	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0015	0.00021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0015	0.00020	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0015	0.00088	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0015	0.0012	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0015	0.00088	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0030	0.00035	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0030	0.00018	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0030	0.00026	mg/kg	
100-41-4	Ethylbenzene	ND	0.0015	0.00024	mg/kg	
76-13-1	Freon 113	ND	0.0074	0.00066	mg/kg	
591-78-6	2-Hexanone	ND	0.0074	0.0020	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (0'-2')		
Lab Sample ID:	JC7278-3	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	91.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0030	0.00016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0074	0.0013	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0030	0.00034	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0015	0.00023	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0074	0.00068	mg/kg	
75-09-2	Methylene chloride	ND	0.0074	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0030	0.00026	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0030	0.00026	mg/kg	
127-18-4	Tetrachloroethene	0.0031	0.0030	0.00045	mg/kg	
108-88-3	Toluene	ND	0.0015	0.00031	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0074	0.00026	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0074	0.00025	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0030	0.00022	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0030	0.00022	mg/kg	
79-01-6	Trichloroethene	0.0045	0.0015	0.00022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0074	0.00037	mg/kg	
75-01-4	Vinyl chloride	ND	0.0030	0.00029	mg/kg	
	m,p-Xylene	ND	0.0015	0.00052	mg/kg	
95-47-6	o-Xylene	ND	0.0015	0.00041	mg/kg	
1330-20-7	Xylene (total)	ND	0.0015	0.00041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-122%
17060-07-0	1,2-Dichloroethane-D4	94%		68-124%
2037-26-5	Toluene-D8	98%		77-125%
460-00-4	4-Bromofluorobenzene	112%		72-130%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (0'-2')		
Lab Sample ID:	JC7278-3	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22750.D	1	11/03/15	AP	10/30/15	OP88530	E5P1163
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.071	0.026	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.032	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.028	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.065	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.067	mg/kg	
95-48-7	2-Methylphenol	ND	0.071	0.052	mg/kg	
	3&4-Methylphenol	ND	0.071	0.034	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.033	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.060	mg/kg	
87-86-5	Pentachlorophenol	ND	0.18	0.087	mg/kg	
108-95-2	Phenol	ND	0.071	0.027	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.033	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.032	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.029	mg/kg	
83-32-9	Acenaphthene	ND	0.036	0.033	mg/kg	
208-96-8	Acenaphthylene	0.0645	0.036	0.0037	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0060	mg/kg	
120-12-7	Anthracene	0.122	0.036	0.0031	mg/kg	
1912-24-9	Atrazine	ND	0.071	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	0.569	0.036	0.0069	mg/kg	
50-32-8	Benzo(a)pyrene	0.571	0.036	0.0076	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.681	0.036	0.0073	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.382	0.036	0.011	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.256	0.036	0.0079	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.071	0.0081	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.071	0.019	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.071	0.0066	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0089	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.071	0.0051	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.0094	mg/kg	
86-74-8	Carbazole	0.0371	0.071	0.0039	mg/kg	J

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (0'-2')		
Lab Sample ID:	JC7278-3	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	0.0546	0.071	0.023	mg/kg	J
218-01-9	Chrysene	0.539	0.036	0.0057	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.071	0.0081	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.071	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.071	0.0081	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.071	0.0067	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.0067	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.0092	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.071	0.023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0988	0.036	0.013	mg/kg	
132-64-9	Dibenzofuran	0.0175	0.071	0.0049	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.071	0.0042	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.071	0.0048	mg/kg	
84-66-2	Diethyl phthalate	ND	0.071	0.0045	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.071	0.0051	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.071	0.012	mg/kg	
206-44-0	Fluoranthene	1.10	0.036	0.0043	mg/kg	
86-73-7	Fluorene	0.0249	0.036	0.0042	mg/kg	J
118-74-1	Hexachlorobenzene	ND	0.071	0.0070	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.0094	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.056	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.407	0.036	0.018	mg/kg	
78-59-1	Isophorone	ND	0.071	0.0066	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.071	0.0066	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0081	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.012	mg/kg	
91-20-3	Naphthalene	0.0319	0.036	0.0057	mg/kg	J
98-95-3	Nitrobenzene	ND	0.071	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.071	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.019	mg/kg	
85-01-8	Phenanthrene	0.441	0.036	0.0039	mg/kg	
129-00-0	Pyrene	1.03	0.036	0.0044	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0085	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (0'-2')		
Lab Sample ID:	JC7278-3	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	82%		30-106%
118-79-6	2,4,6-Tribromophenol	71%		24-140%
4165-60-0	Nitrobenzene-d5	86%		26-122%
321-60-8	2-Fluorobiphenyl	83%		36-112%
1718-51-0	Terphenyl-d14	90%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (0'-2')		
Lab Sample ID:	JC7278-3	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	91.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28671.D	1	10/30/15	YD	10/30/15	OP88526	G6G842
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00070	0.00063	mg/kg	
319-84-6	alpha-BHC	ND	0.00070	0.00047	mg/kg	
319-85-7	beta-BHC	ND	0.00070	0.00043	mg/kg	
319-86-8	delta-BHC	ND	0.00070	0.00028	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00070	0.00032	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00070	0.00038	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00070	0.00054	mg/kg	
60-57-1	Dieldrin	ND	0.00070	0.00055	mg/kg	
72-54-8	4,4'-DDD	ND	0.00070	0.00026	mg/kg	
72-55-9	4,4'-DDE	ND	0.00070	0.00023	mg/kg	
50-29-3	4,4'-DDT	0.0017	0.00070	0.00027	mg/kg	
72-20-8	Endrin	ND	0.00070	0.00025	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00070	0.00040	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00070	0.00052	mg/kg	
959-98-8	Endosulfan-I	ND	0.00070	0.00023	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00070	0.00067	mg/kg	
76-44-8	Heptachlor	ND	0.00070	0.00058	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00070	0.00029	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00039	mg/kg	
53494-70-5	Endrin ketone	ND	0.00070	0.00037	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		24-136%
877-09-8	Tetrachloro-m-xylene	80%		24-136%
2051-24-3	Decachlorobiphenyl	82%		10-153%
2051-24-3	Decachlorobiphenyl	94%		10-153%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (0'-2')		
Lab Sample ID:	JC7278-3	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	91.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121749.D	1	10/30/15	DG	10/30/15	OP88525	G2G3507
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.035	0.011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.035	0.021	mg/kg	
11141-16-5	Aroclor 1232	ND	0.035	0.012	mg/kg	
53469-21-9	Aroclor 1242	ND	0.035	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.035	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.035	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.035	0.015	mg/kg	
11100-14-4	Aroclor 1268	ND	0.035	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.035	0.0099	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		20-152%
877-09-8	Tetrachloro-m-xylene	101%		20-152%
2051-24-3	Decachlorobiphenyl	84%		12-157%
2051-24-3	Decachlorobiphenyl	103%		12-157%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (0'-2')		
Lab Sample ID:	JC7278-3	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
		Percent Solids:	91.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4440	54	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Arsenic	4.0	2.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Barium	39.7	22	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.26	0.22	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Calcium	13500	540	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Chromium	14.1	1.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cobalt	< 5.4	5.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Copper	15.1	2.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Iron	9600	54	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Lead	65.6	2.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Magnesium	1170	540	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Manganese	274	1.6	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.33	0.034	mg/kg	1	10/30/15	10/30/15	FP	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.2	4.3	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Vanadium	14.6	5.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Zinc	29.3	5.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA37902
(2) Instrument QC Batch: MA37911
(3) Prep QC Batch: MP89960
(4) Prep QC Batch: MP89963

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-2 (2'-4')		
Lab Sample ID:	JC7278-4	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y158513.D	1	11/02/15	PS	10/29/15 08:00	n/a	VY6923
Run #2							

	Initial Weight
Run #1	5.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.010	0.0023	mg/kg	
71-43-2	Benzene	ND	0.00050	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0050	0.00031	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00016	mg/kg	
75-25-2	Bromoform	ND	0.0050	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0050	0.00037	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00023	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0050	0.00049	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00015	mg/kg	
74-87-3	Chloromethane	ND	0.0050	0.00026	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00032	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00055	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00013	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00012	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00016	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0050	0.00036	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00014	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00014	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00060	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00079	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00060	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00024	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00012	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00018	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0050	0.00045	mg/kg	
591-78-6	2-Hexanone	ND	0.0050	0.0014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (2'-4')		
Lab Sample ID:	JC7278-4	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00011	mg/kg	
79-20-9	Methyl Acetate	ND	0.0050	0.00087	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00023	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00015	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0050	0.00046	mg/kg	
75-09-2	Methylene chloride	ND	0.0050	0.00099	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00018	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00018	mg/kg	
127-18-4	Tetrachloroethene	0.0060	0.0020	0.00030	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00021	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0050	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0050	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-01-6	Trichloroethene	0.0073	0.0010	0.00015	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0050	0.00025	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00020	mg/kg	
	m,p-Xylene	ND	0.0010	0.00036	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00028	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-122%
17060-07-0	1,2-Dichloroethane-D4	96%		68-124%
2037-26-5	Toluene-D8	98%		77-125%
460-00-4	4-Bromofluorobenzene	110%		72-130%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (2'-4')		
Lab Sample ID:	JC7278-4	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	86.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E77490.D	1	10/31/15	SW	10/30/15	OP88530	E3E3373
Run #2							

	Initial Weight	Final Volume
Run #1	32.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.072	0.026	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.033	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.029	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.066	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.068	mg/kg	
95-48-7	2-Methylphenol	ND	0.072	0.052	mg/kg	
	3&4-Methylphenol	ND	0.072	0.034	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.033	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.061	mg/kg	
87-86-5	Pentachlorophenol	ND	0.18	0.088	mg/kg	
108-95-2	Phenol	ND	0.072	0.027	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.034	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.032	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.029	mg/kg	
83-32-9	Acenaphthene	ND	0.036	0.034	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.0038	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0061	mg/kg	
120-12-7	Anthracene	ND	0.036	0.0031	mg/kg	
1912-24-9	Atrazine	ND	0.072	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.036	0.0069	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.036	0.0077	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.036	0.0074	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.036	0.011	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.036	0.0080	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.072	0.0082	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.072	0.019	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.072	0.0067	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0090	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.072	0.0051	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.0095	mg/kg	
86-74-8	Carbazole	ND	0.072	0.0040	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (2'-4')		
Lab Sample ID:	JC7278-4	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	86.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.072	0.023	mg/kg	
218-01-9	Chrysene	ND	0.036	0.0058	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.072	0.0082	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.072	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.072	0.0082	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.072	0.0068	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.0068	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.0093	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.072	0.024	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.072	0.0050	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.072	0.0042	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.072	0.0049	mg/kg	
84-66-2	Diethyl phthalate	ND	0.072	0.0046	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.072	0.0051	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.072	0.013	mg/kg	
206-44-0	Fluoranthene	ND	0.036	0.0044	mg/kg	
86-73-7	Fluorene	ND	0.036	0.0043	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.072	0.0071	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.0095	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.057	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.036	0.019	mg/kg	
78-59-1	Isophorone	ND	0.072	0.0067	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.072	0.0067	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0082	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.012	mg/kg	
91-20-3	Naphthalene	ND	0.036	0.0058	mg/kg	
98-95-3	Nitrobenzene	ND	0.072	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.072	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.019	mg/kg	
85-01-8	Phenanthrene	ND	0.036	0.0040	mg/kg	
129-00-0	Pyrene	ND	0.036	0.0045	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0086	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	81%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (2'-4')		
Lab Sample ID:	JC7278-4	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	86.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	79%		30-106%
118-79-6	2,4,6-Tribromophenol	93%		24-140%
4165-60-0	Nitrobenzene-d5	103%		26-122%
321-60-8	2-Fluorobiphenyl	89%		36-112%
1718-51-0	Terphenyl-d14	89%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (2'-4')		
Lab Sample ID:	JC7278-4	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	86.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28672.D	1	10/30/15	YD	10/30/15	OP88526	G6G842
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00073	0.00065	mg/kg	
319-84-6	alpha-BHC	ND	0.00073	0.00049	mg/kg	
319-85-7	beta-BHC	ND	0.00073	0.00045	mg/kg	
319-86-8	delta-BHC	ND	0.00073	0.00029	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00073	0.00033	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00073	0.00039	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00073	0.00056	mg/kg	
60-57-1	Dieldrin	ND	0.00073	0.00057	mg/kg	
72-54-8	4,4'-DDD	ND	0.00073	0.00027	mg/kg	
72-55-9	4,4'-DDE	ND	0.00073	0.00024	mg/kg	
50-29-3	4,4'-DDT	ND	0.00073	0.00028	mg/kg	
72-20-8	Endrin	ND	0.00073	0.00026	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00073	0.00042	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00073	0.00054	mg/kg	
959-98-8	Endosulfan-I	ND	0.00073	0.00024	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00073	0.00069	mg/kg	
76-44-8	Heptachlor	ND	0.00073	0.00060	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00073	0.00030	mg/kg	
72-43-5	Methoxychlor	ND	0.0015	0.00041	mg/kg	
53494-70-5	Endrin ketone	ND	0.00073	0.00038	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		24-136%
877-09-8	Tetrachloro-m-xylene	79%		24-136%
2051-24-3	Decachlorobiphenyl	69%		10-153%
2051-24-3	Decachlorobiphenyl	78%		10-153%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (2'-4')		
Lab Sample ID:	JC7278-4	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	86.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121754.D	1	10/30/15	DG	10/30/15	OP88525	G2G3507
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.037	0.012	mg/kg	
11104-28-2	Aroclor 1221	ND	0.037	0.022	mg/kg	
11141-16-5	Aroclor 1232	ND	0.037	0.012	mg/kg	
53469-21-9	Aroclor 1242	ND	0.037	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.037	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.037	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.037	0.015	mg/kg	
11100-14-4	Aroclor 1268	ND	0.037	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.037	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		20-152%
877-09-8	Tetrachloro-m-xylene	109%		20-152%
2051-24-3	Decachlorobiphenyl	87%		12-157%
2051-24-3	Decachlorobiphenyl	109%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (2'-4')		
Lab Sample ID:	JC7278-4	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
		Percent Solids:	86.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	12600	55	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Arsenic	4.0	2.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Barium	45.3	22	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.56	0.22	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Calcium	1350	550	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Chromium	20.1	1.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cobalt	8.4	5.5	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Copper	28.1	2.8	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Iron	23100	55	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Lead	13.5	2.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Magnesium	2120	550	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Manganese	336	1.7	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Mercury	< 0.035	0.035	mg/kg	1	10/30/15	10/30/15	FP	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.8	4.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Potassium	1380	1100	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Vanadium	28.6	5.5	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Zinc	34.3	5.5	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA37902
(2) Instrument QC Batch: MA37911
(3) Prep QC Batch: MP89960
(4) Prep QC Batch: MP89963

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-3 (0'-2')		
Lab Sample ID:	JC7278-5	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	80.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y158514.D	1	11/02/15	PS	10/29/15 08:00	n/a	VY6923
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.010	0.0023	mg/kg	
71-43-2	Benzene	ND	0.00051	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00031	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00016	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00037	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00023	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.00049	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00015	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.00027	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00032	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00055	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00013	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00012	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00016	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00037	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00014	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00014	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00060	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00079	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00060	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00024	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00012	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00018	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.00045	mg/kg	
591-78-6	2-Hexanone	ND	0.0051	0.0014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (0'-2')		
Lab Sample ID:	JC7278-5	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	80.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00011	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.00087	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00023	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00016	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0051	0.00047	mg/kg	
75-09-2	Methylene chloride	ND	0.0051	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00018	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00018	mg/kg	
127-18-4	Tetrachloroethene	0.00035	0.0020	0.00031	mg/kg	J
108-88-3	Toluene	ND	0.0010	0.00021	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-01-6	Trichloroethene	0.00041	0.0010	0.00015	mg/kg	J
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00025	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00020	mg/kg	
	m,p-Xylene	ND	0.0010	0.00036	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00028	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-122%
17060-07-0	1,2-Dichloroethane-D4	95%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	110%		72-130%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (0'-2')		
Lab Sample ID:	JC7278-5	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E77494.D	1	10/31/15	SW	10/30/15	OP88530	E3E3373
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.081	0.030	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.036	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.032	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.074	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.18	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.077	mg/kg	
95-48-7	2-Methylphenol	ND	0.081	0.058	mg/kg	
	3&4-Methylphenol	ND	0.081	0.039	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.037	mg/kg	
100-02-7	4-Nitrophenol	ND	0.40	0.069	mg/kg	
87-86-5	Pentachlorophenol	ND	0.20	0.098	mg/kg	
108-95-2	Phenol	ND	0.081	0.030	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.038	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.036	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.032	mg/kg	
83-32-9	Acenaphthene	ND	0.040	0.038	mg/kg	
208-96-8	Acenaphthylene	ND	0.040	0.0042	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0069	mg/kg	
120-12-7	Anthracene	ND	0.040	0.0035	mg/kg	
1912-24-9	Atrazine	ND	0.081	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	0.0323	0.040	0.0078	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0346	0.040	0.0086	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0475	0.040	0.0083	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0247	0.040	0.012	mg/kg	J
207-08-9	Benzo(k)fluoranthene	0.0212	0.040	0.0090	mg/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	0.081	0.0092	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.081	0.022	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.081	0.0075	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.081	0.0058	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.011	mg/kg	
86-74-8	Carbazole	ND	0.081	0.0045	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (0'-2')		
Lab Sample ID:	JC7278-5	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.081	0.026	mg/kg	
218-01-9	Chrysene	0.0317	0.040	0.0065	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.081	0.0092	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.081	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.081	0.0092	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.081	0.0076	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.040	0.0076	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.040	0.010	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.081	0.026	mg/kg	
123-91-1	1,4-Dioxane	ND	0.040	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.040	0.014	mg/kg	
132-64-9	Dibenzofuran	ND	0.081	0.0056	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.081	0.0048	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.081	0.0054	mg/kg	
84-66-2	Diethyl phthalate	ND	0.081	0.0051	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.081	0.0058	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.081	0.014	mg/kg	
206-44-0	Fluoranthene	0.0423	0.040	0.0049	mg/kg	
86-73-7	Fluorene	ND	0.040	0.0048	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.081	0.0079	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.040	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.40	0.064	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.013	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0325	0.040	0.021	mg/kg	J
78-59-1	Isophorone	ND	0.081	0.0075	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.081	0.0075	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0092	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.013	mg/kg	
91-20-3	Naphthalene	ND	0.040	0.0065	mg/kg	
98-95-3	Nitrobenzene	ND	0.081	0.013	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.081	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.021	mg/kg	
85-01-8	Phenanthrene	0.0235	0.040	0.0045	mg/kg	J
129-00-0	Pyrene	0.0300	0.040	0.0050	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.0097	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (0'-2')		
Lab Sample ID:	JC7278-5	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	64%		30-106%
118-79-6	2,4,6-Tribromophenol	74%		24-140%
4165-60-0	Nitrobenzene-d5	80%		26-122%
321-60-8	2-Fluorobiphenyl	72%		36-112%
1718-51-0	Terphenyl-d14	74%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (0'-2')		
Lab Sample ID:	JC7278-5	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	80.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28673.D	1	10/30/15	YD	10/30/15	OP88526	G6G842
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00077	0.00069	mg/kg	
319-84-6	alpha-BHC	ND	0.00077	0.00051	mg/kg	
319-85-7	beta-BHC	ND	0.00077	0.00047	mg/kg	
319-86-8	delta-BHC	ND	0.00077	0.00030	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00077	0.00035	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00077	0.00041	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00077	0.00059	mg/kg	
60-57-1	Dieldrin	ND	0.00077	0.00060	mg/kg	
72-54-8	4,4'-DDD	ND	0.00077	0.00028	mg/kg	
72-55-9	4,4'-DDE	ND	0.00077	0.00026	mg/kg	
50-29-3	4,4'-DDT	ND	0.00077	0.00029	mg/kg	
72-20-8	Endrin	ND	0.00077	0.00027	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00077	0.00044	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00077	0.00057	mg/kg	
959-98-8	Endosulfan-I	ND	0.00077	0.00025	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00077	0.00073	mg/kg	
76-44-8	Heptachlor	ND	0.00077	0.00063	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00077	0.00032	mg/kg	
72-43-5	Methoxychlor	ND	0.0015	0.00043	mg/kg	
53494-70-5	Endrin ketone	ND	0.00077	0.00040	mg/kg	
8001-35-2	Toxaphene	ND	0.019	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		24-136%
877-09-8	Tetrachloro-m-xylene	71%		24-136%
2051-24-3	Decachlorobiphenyl	70%		10-153%
2051-24-3	Decachlorobiphenyl	74%		10-153%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (0'-2')		
Lab Sample ID:	JC7278-5	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	80.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121755.D	1	10/30/15	DG	10/30/15	OP88525	G2G3507
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.038	0.012	mg/kg	
11104-28-2	Aroclor 1221	ND	0.038	0.023	mg/kg	
11141-16-5	Aroclor 1232	ND	0.038	0.013	mg/kg	
53469-21-9	Aroclor 1242	ND	0.038	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.038	0.012	mg/kg	
11097-69-1	Aroclor 1254	ND	0.038	0.017	mg/kg	
11096-82-5	Aroclor 1260	ND	0.038	0.016	mg/kg	
11100-14-4	Aroclor 1268	ND	0.038	0.012	mg/kg	
37324-23-5	Aroclor 1262	ND	0.038	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		20-152%
877-09-8	Tetrachloro-m-xylene	106%		20-152%
2051-24-3	Decachlorobiphenyl	92%		12-157%
2051-24-3	Decachlorobiphenyl	104%		12-157%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (0'-2')		
Lab Sample ID:	JC7278-5	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
		Percent Solids:	80.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	13900	60	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Antimony	< 2.4	2.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Arsenic	3.9	2.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Barium	80.7	24	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.78	0.24	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.60	0.60	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Calcium	1840	600	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Chromium	19.2	1.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cobalt	6.8	6.0	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Copper	12.5	3.0	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Iron	17300	60	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Lead	40.1	2.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Magnesium	1900	600	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Manganese	539	1.8	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.070	0.039	mg/kg	1	10/30/15	10/30/15	FP	SW846 7471B [1]	SW846 7471B [4]
Nickel	15.5	4.8	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.60	0.60	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Vanadium	28.3	6.0	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Zinc	36.6	6.0	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA37902
(2) Instrument QC Batch: MA37911
(3) Prep QC Batch: MP89960
(4) Prep QC Batch: MP89963

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-3 (12'-14')		
Lab Sample ID:	JC7278-6	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	95.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I209200.D	1	11/02/15	SJM	10/29/15 08:00	n/a	VI8394
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.0099	0.0022	mg/kg	
71-43-2	Benzene	ND	0.00049	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0049	0.00031	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00015	mg/kg	
75-25-2	Bromoform	ND	0.0049	0.00023	mg/kg	
74-83-9	Bromomethane	ND	0.0049	0.00036	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0099	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00023	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00015	mg/kg	
75-00-3	Chloroethane	ND	0.0049	0.00048	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00015	mg/kg	
74-87-3	Chloromethane	ND	0.0049	0.00026	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00031	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00054	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00020	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00099	0.00013	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00099	0.00012	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00099	0.00016	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00099	0.00022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0049	0.00036	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00099	0.00014	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00099	0.00013	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00099	0.00059	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00099	0.00077	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00099	0.00059	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00024	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00012	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00018	mg/kg	
100-41-4	Ethylbenzene	ND	0.00099	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0049	0.00044	mg/kg	
591-78-6	2-Hexanone	ND	0.0049	0.0013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (12'-14')		
Lab Sample ID:	JC7278-6	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	95.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00010	mg/kg	
79-20-9	Methyl Acetate	ND	0.0049	0.00085	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00022	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00099	0.00015	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0049	0.00045	mg/kg	
75-09-2	Methylene chloride	ND	0.0049	0.00097	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00018	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00017	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00030	mg/kg	
108-88-3	Toluene	ND	0.00099	0.00021	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0049	0.00017	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0049	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-01-6	Trichloroethene	ND	0.00099	0.00015	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0049	0.00025	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00019	mg/kg	
	m,p-Xylene	ND	0.00099	0.00035	mg/kg	
95-47-6	o-Xylene	ND	0.00099	0.00027	mg/kg	
1330-20-7	Xylene (total)	ND	0.00099	0.00027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-122%
17060-07-0	1,2-Dichloroethane-D4	99%		68-124%
2037-26-5	Toluene-D8	94%		77-125%
460-00-4	4-Bromofluorobenzene	88%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (12'-14')		
Lab Sample ID:	JC7278-6	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E77491.D	1	10/31/15	SW	10/30/15	OP88530	E3E3373
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.068	0.025	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.031	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.027	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.062	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.17	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.17	0.065	mg/kg	
95-48-7	2-Methylphenol	ND	0.068	0.049	mg/kg	
	3&4-Methylphenol	ND	0.068	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.17	0.031	mg/kg	
100-02-7	4-Nitrophenol	ND	0.34	0.058	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.083	mg/kg	
108-95-2	Phenol	ND	0.068	0.025	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.032	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.027	mg/kg	
83-32-9	Acenaphthene	ND	0.034	0.032	mg/kg	
208-96-8	Acenaphthylene	ND	0.034	0.0036	mg/kg	
98-86-2	Acetophenone	ND	0.17	0.0058	mg/kg	
120-12-7	Anthracene	ND	0.034	0.0029	mg/kg	
1912-24-9	Atrazine	ND	0.068	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.034	0.0066	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.034	0.0072	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.034	0.0070	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.034	0.010	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.034	0.0076	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.068	0.0078	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.068	0.018	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.068	0.0063	mg/kg	
100-52-7	Benzaldehyde	ND	0.17	0.0085	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.068	0.0049	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.0090	mg/kg	
86-74-8	Carbazole	ND	0.068	0.0038	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (12'-14')		
Lab Sample ID:	JC7278-6	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.068	0.022	mg/kg	
218-01-9	Chrysene	ND	0.034	0.0055	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.068	0.0077	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.068	0.014	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.068	0.0078	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.068	0.0064	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.034	0.0064	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.034	0.0088	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.068	0.022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.034	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.034	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.068	0.0047	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.068	0.0040	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.068	0.0046	mg/kg	
84-66-2	Diethyl phthalate	ND	0.068	0.0043	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.068	0.0049	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.068	0.012	mg/kg	
206-44-0	Fluoranthene	ND	0.034	0.0042	mg/kg	
86-73-7	Fluorene	ND	0.034	0.0040	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.068	0.0067	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.034	0.0090	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.34	0.054	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.034	0.018	mg/kg	
78-59-1	Isophorone	ND	0.068	0.0064	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.068	0.0064	mg/kg	
88-74-4	2-Nitroaniline	ND	0.17	0.0077	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.0097	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.034	0.0054	mg/kg	
98-95-3	Nitrobenzene	ND	0.068	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.068	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.018	mg/kg	
85-01-8	Phenanthrene	ND	0.034	0.0038	mg/kg	
129-00-0	Pyrene	ND	0.034	0.0043	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.17	0.0082	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	83%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (12'-14')		
Lab Sample ID:	JC7278-6	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	81%		30-106%
118-79-6	2,4,6-Tribromophenol	83%		24-140%
4165-60-0	Nitrobenzene-d5	100%		26-122%
321-60-8	2-Fluorobiphenyl	88%		36-112%
1718-51-0	Terphenyl-d14	85%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (12'-14')		
Lab Sample ID:	JC7278-6	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	95.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28674.D	1	10/30/15	YD	10/30/15	OP88526	G6G842
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00069	0.00062	mg/kg	
319-84-6	alpha-BHC	ND	0.00069	0.00046	mg/kg	
319-85-7	beta-BHC	ND	0.00069	0.00043	mg/kg	
319-86-8	delta-BHC	ND	0.00069	0.00027	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00069	0.00032	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00069	0.00037	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00069	0.00053	mg/kg	
60-57-1	Dieldrin	ND	0.00069	0.00054	mg/kg	
72-54-8	4,4'-DDD	ND	0.00069	0.00026	mg/kg	
72-55-9	4,4'-DDE	ND	0.00069	0.00023	mg/kg	
50-29-3	4,4'-DDT	ND	0.00069	0.00027	mg/kg	
72-20-8	Endrin	ND	0.00069	0.00025	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00069	0.00039	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00069	0.00052	mg/kg	
959-98-8	Endosulfan-I	ND	0.00069	0.00023	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00069	0.00066	mg/kg	
76-44-8	Heptachlor	ND	0.00069	0.00057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00069	0.00029	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00039	mg/kg	
53494-70-5	Endrin ketone	ND	0.00069	0.00036	mg/kg	
8001-35-2	Toxaphene	ND	0.017	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		24-136%
877-09-8	Tetrachloro-m-xylene	61%		24-136%
2051-24-3	Decachlorobiphenyl	62%		10-153%
2051-24-3	Decachlorobiphenyl	66%		10-153%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (12'-14')		
Lab Sample ID:	JC7278-6	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121756.D	1	10/30/15	DG	10/30/15	OP88525	G2G3507
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.035	0.011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.035	0.020	mg/kg	
11141-16-5	Aroclor 1232	ND	0.035	0.011	mg/kg	
53469-21-9	Aroclor 1242	ND	0.035	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.035	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.035	0.015	mg/kg	
11096-82-5	Aroclor 1260	ND	0.035	0.015	mg/kg	
11100-14-4	Aroclor 1268	ND	0.035	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.035	0.0098	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		20-152%
877-09-8	Tetrachloro-m-xylene	109%		20-152%
2051-24-3	Decachlorobiphenyl	88%		12-157%
2051-24-3	Decachlorobiphenyl	108%		12-157%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (12'-14')		
Lab Sample ID:	JC7278-6	**Date Sampled:**	10/27/15
Matrix:	SO - Soil	**Date Received:**	10/28/15
		Percent Solids:	95.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4030	51	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Antimony	< 2.1	2.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Barium	21.4	21	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.25	0.21	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.51	0.51	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Calcium	942	510	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Chromium	11.1	1.0	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Cobalt	< 5.1	5.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Copper	6.6	2.6	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Iron	7740	51	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Lead	3.0	2.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Magnesium	1500	510	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Manganese	203	1.5	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Mercury	< 0.032	0.032	mg/kg	1	10/30/15	10/30/15	FP	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.9	4.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Potassium	< 1000	1000	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Sodium	< 1000	1000	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Vanadium	12.3	5.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]
Zinc	15.3	5.1	mg/kg	1	10/29/15	10/31/15	BS	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA37902
(2) Instrument QC Batch: MA37911
(3) Prep QC Batch: MP89960
(4) Prep QC Batch: MP89963

RL = Reporting Limit

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

SCL

CHAIN OF CUSTODY

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TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #
Accutest Quote #
Bottle Order Control #
Accutest Job # JC7278

Client / Reporting Information

Company Name: Equity Environmental Engineering
Street Address: 500 International Drive
City: Mt. Olive State: NJ Zip: 07828
Project Contact: Bob Jackson E-mail: Bob.Jackson@equityenvironmental.com
Phone #: 973-527-7451 Fax #: 973-858-0280
Sampler(s) Name(s): Faron Moser Phone #: 201-341-1323

Project Information

Project Name: 105 South 5th Street.
Street: 105 South 5th St.
City: Brooklyn State: NY
Project #: 2014074
Client Purchase Order #: 2014074
Project Manager: Bob Jackson

Billing Information (if different from Report to)

Company Name: SAME
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCL VOCs	SVOCs	Pesticides	PCBs	TAL Metals
1	SB-1 (0'-2')		10/27/15	0950	FM	SO	5					2			3	X	X	X	X	X
	~~SB-1 (0~~ FM																			
2	SB-1 (2'-4')											2		3		X	X	X	X	X
3	SB-2 (0'-2')		10/27/15	1005	FM	SO	5					2		3		X	X	X	X	X
4	SB-2 (2'-4')		10/27/15	1110	FM	SO	5					2		3		X	X	X	X	X
5	SB-3 (0'-2')		10/27/15	1115	FM	SO	5					2		3		X	X	X	X	X
6	SB-3 (12'-14')		10/27/15	1300	FM	SO	5					2		3		X	X	X	X	X
			10/27/15	1320	FM	SO	5					2		3		X	X	X	X	X

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

LAB USE ONLY

D30
E61 TI
L4L3
40113

Turnaround Time (Business days)

- Std. 10 Business Days
- [X] 5 Day RUSH
- 3 Day RUSH
- 2 Day RUSH
- 1 Day RUSH
- other

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- NJ Reduced
- Commercial "C"
- NJ Data of Known Quality Protocol Reporting
- NYASP Category A
- [X] NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

• 3X5 GRAM ENC REC'D 10-28-15 AMJ

INITIAL ASESSMENT AMJ
LABEL VERIFICATION

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Faron W.M.	10/28/15 13:20	1	2	10/28/15	2
3		3	4		4
5		5	Custody Seal # 572 Intact		

5.1

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JC7278: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JC7278 **Client:** **Project:**

Date / Time Received: 10/28/2015 6:41:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.1);

Cooler Temps (Corrected) °C: Cooler 1: (4.3);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

5.1

5

JC7278: Chain of Custody
Page 2 of 2

New Jersey
ACCUTEST LABORATORIES

11/09/15

Technical Report for

Equity Environmental Engineering

Procida, 105 South 5th Street, Brooklyn, NY

2014074

Accutest Job Number: JC7112

Sampling Date: 10/26/15

Report to:

Equity Environmental Engineering

bob.jackson@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **97**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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Sample Summary

Equity Environmental Engineering

Job No: JC7112

Procida, 105 South 5th Street, Brooklyn, NY
Project No: 2014074

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC7112-1	10/26/15	10:35	FM	10/27/15	SO	Soil	SB-5 (0'-2')
JC7112-2	10/26/15	11:00	FM	10/27/15	SO	Soil	SB-5 (12'-14')
JC7112-3	10/26/15	11:50	FM	10/27/15	SO	Soil	SB-6 (0'-2')
JC7112-4	10/26/15	12:10	FM	10/27/15	SO	Soil	SB-6 (12'-14')
JC7112-5	10/26/15	13:20	FM	10/27/15	SO	Soil	SB-4 (0'-2')
JC7112-6	10/26/15	13:50	FM	10/27/15	SO	Soil	SB-4 (12'-14')
JC7112-7	10/26/15	14:10	FM	10/27/15	SO	Soil	SB-401 (12'-14')
JC7112-8	10/26/15	14:50	FM	10/27/15	SO	Soil	SB-7 (0'-2')
JC7112-9	10/26/15	15:00	FM	10/27/15	SO	Soil	SB-7 (12'-14')
JC7112-10	10/26/15	14:28	FM	10/27/15	AQ	Field Blank Soil	FB-1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Equity Environmental Engineering	**Job No**	JC7112
Site:	Procida, 105 South 5th Street, Brooklyn, NY	**Report Date**	11/5/2015 9:25:27 AM

On 10/27/2015, 9 Sample(s), 0 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 1.9 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC7112 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** VL7607

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC7147-2MS, JC7147-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for cis-1,2-Dichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: SO **Batch ID:** VV6635

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC7112-1DUP, JC7112-2MS, JC7112-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Trichloroethene are outside control limits. High RPD due to low concentration of hit
- RPD(s) for Duplicate for Acetone are outside control limits.: High RPD due to possible sample analyzed from different vials.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP88523

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP88465

- All samples were extracted within the recommended method holding time.
- Sample(s) JC7112-1MS, JC7112-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for Benzo(b)fluoranthene, Fluoranthene, Phenanthrene, Pyrene are outside control limits. Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8081B

Matrix: AQ **Batch ID:** OP88528

- All samples were extracted within the recommended method holding time.
- Sample(s) JC7112-10MS, JC7112-10MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP88468

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7112-2MS, JC7112-2MSD were used as the QC samples indicated.
- JC7112-8 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-8 for delta-BHC: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-8 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-8 for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-8 for Endosulfan sulfate: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-8 for alpha-BHC: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-1 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-3 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-5 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-5 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-5 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-8 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- JC7112-8 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.

Extractables by GC By Method SW846 8082A

Matrix: AQ **Batch ID:** OP88529

- All samples were extracted within the recommended method holding time.
- Sample(s) JC7118-1MS, JC7118-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP88467

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7112-1MS, JC7112-1MSD were used as the QC samples indicated.
- JC7112-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC7112-3 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP88467-MSD for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP88467-MS for Aroclor 1016: Outside control limits due to matrix interference.
- OP88467-MS for Aroclor 1260: Outside control limits due to matrix interference.
- OP88467-MS for Decachlorobiphenyl: Outside control limits due to matrix interference.

Metals By Method SW846 6010C

Matrix: AQ	Batch ID: MP89934

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: SO	Batch ID: MP89906

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7016-4MS, JC7016-4MSD, JC7016-4SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum are outside control limits. Probable cause due to matrix interference.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Copper, Selenium, Cobalt, Potassium are outside control limits for sample MP89906-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP89906-MB1 for Iron: All reported results <RL or >10x MB value.
- MP89906-SD1 for Potassium: Serial dilution indicates possible matrix interference.
- MP89906-SD1 for Cobalt: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP89917

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7148-1MS, JC7148-1MSD were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix: SO	Batch ID: MP89944

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7133-4MS, JC7133-4MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: GN35208

- The data for SM2540 G-97 meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC7112
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/26/15

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC7112-1	**SB-5 (0'-2')**					
Acetone		0.0059 J	0.0094	0.0021	mg/kg	SW846 8260C
Acenaphthene		0.170	0.037	0.035	mg/kg	SW846 8270D
Acenaphthylene		0.128	0.037	0.0039	mg/kg	SW846 8270D
Anthracene		0.487	0.037	0.0032	mg/kg	SW846 8270D
Benzo(a)anthracene		1.39	0.037	0.0072	mg/kg	SW846 8270D
Benzo(a)pyrene		1.25	0.037	0.0079	mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.62	0.037	0.0077	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.843	0.037	0.011	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.572	0.037	0.0083	mg/kg	SW846 8270D
Butyl benzyl phthalate		0.174	0.075	0.020	mg/kg	SW846 8270D
Carbazole		0.268	0.075	0.0041	mg/kg	SW846 8270D
Chrysene		1.31	0.037	0.0060	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.235	0.037	0.013	mg/kg	SW846 8270D
Dibenzofuran		0.116	0.075	0.0052	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.0789	0.075	0.013	mg/kg	SW846 8270D
Fluoranthene		2.89	0.037	0.0045	mg/kg	SW846 8270D
Fluorene		0.188	0.037	0.0044	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.957	0.037	0.019	mg/kg	SW846 8270D
2-Methylnaphthalene		0.0466 J	0.075	0.0070	mg/kg	SW846 8270D
Naphthalene		0.0890	0.037	0.0060	mg/kg	SW846 8270D
Phenanthrene		2.08	0.037	0.0041	mg/kg	SW846 8270D
Pyrene		2.37	0.037	0.0047	mg/kg	SW846 8270D
4,4'-DDT [a]		0.0041	0.00074	0.00028	mg/kg	SW846 8081B
Aluminum		13000	55		mg/kg	SW846 6010C
Arsenic		5.5	2.2		mg/kg	SW846 6010C
Barium		97.6	22		mg/kg	SW846 6010C
Beryllium		0.51	0.22		mg/kg	SW846 6010C
Cadmium		0.72	0.55		mg/kg	SW846 6010C
Calcium		9270	550		mg/kg	SW846 6010C
Chromium		23.8	1.1		mg/kg	SW846 6010C
Cobalt		7.3	5.5		mg/kg	SW846 6010C
Copper		50.4	2.8		mg/kg	SW846 6010C
Iron		20600	55		mg/kg	SW846 6010C
Lead		370	2.2		mg/kg	SW846 6010C
Magnesium		2860	550		mg/kg	SW846 6010C
Manganese		332	1.7		mg/kg	SW846 6010C
Mercury		0.44	0.035		mg/kg	SW846 7471B
Nickel		17.7	4.4		mg/kg	SW846 6010C
Potassium		1110	1100		mg/kg	SW846 6010C
Vanadium		33.7	5.5		mg/kg	SW846 6010C
Zinc		115	5.5		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC7112
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/26/15

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC7112-2	**SB-5 (12'-14')**					
Aluminum		5310	57		mg/kg	SW846 6010C
Barium		24.4	23		mg/kg	SW846 6010C
Beryllium		0.31	0.23		mg/kg	SW846 6010C
Calcium		799	570		mg/kg	SW846 6010C
Chromium		15.0	1.1		mg/kg	SW846 6010C
Copper		10.7	2.8		mg/kg	SW846 6010C
Iron		12500	57		mg/kg	SW846 6010C
Lead		4.2	2.3		mg/kg	SW846 6010C
Magnesium		1850	570		mg/kg	SW846 6010C
Manganese		177	1.7		mg/kg	SW846 6010C
Nickel		9.9	4.5		mg/kg	SW846 6010C
Vanadium		21.2	5.7		mg/kg	SW846 6010C
Zinc		32.3	5.7		mg/kg	SW846 6010C
JC7112-3	**SB-6 (0'-2')**					
Acenaphthylene		0.0198 J	0.034	0.0036	mg/kg	SW846 8270D
Anthracene		0.100	0.034	0.0029	mg/kg	SW846 8270D
Benzo(a)anthracene		0.293	0.034	0.0066	mg/kg	SW846 8270D
Benzo(a)pyrene		0.263	0.034	0.0073	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.302	0.034	0.0070	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.147	0.034	0.010	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.123	0.034	0.0076	mg/kg	SW846 8270D
Carbazole		0.0450 J	0.068	0.0038	mg/kg	SW846 8270D
Chrysene		0.288	0.034	0.0055	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0410	0.034	0.012	mg/kg	SW846 8270D
Dibenzofuran		0.0223 J	0.068	0.0048	mg/kg	SW846 8270D
Fluoranthene		0.541	0.034	0.0042	mg/kg	SW846 8270D
Fluorene		0.0344	0.034	0.0041	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.164	0.034	0.018	mg/kg	SW846 8270D
Naphthalene		0.0186 J	0.034	0.0055	mg/kg	SW846 8270D
Phenanthrene		0.421	0.034	0.0038	mg/kg	SW846 8270D
Pyrene		0.575	0.034	0.0043	mg/kg	SW846 8270D
Dieldrin		0.0016	0.00071	0.00056	mg/kg	SW846 8081B
4,4'-DDT [a]		0.0094	0.00071	0.00027	mg/kg	SW846 8081B
Aluminum		5860	54		mg/kg	SW846 6010C
Arsenic		5.5	2.2		mg/kg	SW846 6010C
Barium		86.2	22		mg/kg	SW846 6010C
Beryllium		0.25	0.22		mg/kg	SW846 6010C
Cadmium		0.65	0.54		mg/kg	SW846 6010C
Calcium		56500	1600		mg/kg	SW846 6010C
Chromium		17.0	1.1		mg/kg	SW846 6010C
Copper		45.4	2.7		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC7112
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/26/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		10900	54		mg/kg	SW846 6010C
Lead		253	2.2		mg/kg	SW846 6010C
Magnesium		7440	540		mg/kg	SW846 6010C
Manganese		268	1.6		mg/kg	SW846 6010C
Mercury		0.24	0.036		mg/kg	SW846 7471B
Nickel		16.0	4.3		mg/kg	SW846 6010C
Potassium		1110	1100		mg/kg	SW846 6010C
Silver		0.81	0.54		mg/kg	SW846 6010C
Vanadium		26.9	5.4		mg/kg	SW846 6010C
Zinc		133	5.4		mg/kg	SW846 6010C
JC7112-4	**SB-6 (12'-14')**					
Methylene chloride		0.0014 J	0.0049	0.00097	mg/kg	SW846 8260C
Aluminum		6010	54		mg/kg	SW846 6010C
Barium		27.9	22		mg/kg	SW846 6010C
Beryllium		0.40	0.22		mg/kg	SW846 6010C
Calcium		1350	540		mg/kg	SW846 6010C
Chromium		14.3	1.1		mg/kg	SW846 6010C
Copper		10.8	2.7		mg/kg	SW846 6010C
Iron		16200	54		mg/kg	SW846 6010C
Lead		4.6	2.2		mg/kg	SW846 6010C
Magnesium		1720	540		mg/kg	SW846 6010C
Manganese		389	1.6		mg/kg	SW846 6010C
Nickel		12.3	4.3		mg/kg	SW846 6010C
Vanadium		24.9	5.4		mg/kg	SW846 6010C
Zinc		20.4	5.4		mg/kg	SW846 6010C
JC7112-5	**SB-4 (0'-2')**					
Acetone		0.0064 J	0.011	0.0024	mg/kg	SW846 8260C
Benzene		0.0046	0.00053	0.00014	mg/kg	SW846 8260C
Toluene		0.00056 J	0.0011	0.00022	mg/kg	SW846 8260C
Acenaphthylene		0.0269 J	0.038	0.0039	mg/kg	SW846 8270D
Anthracene		0.101	0.038	0.0032	mg/kg	SW846 8270D
Benzo(a)anthracene		0.288	0.038	0.0072	mg/kg	SW846 8270D
Benzo(a)pyrene		0.273	0.038	0.0080	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.343	0.038	0.0077	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.177	0.038	0.011	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.125	0.038	0.0084	mg/kg	SW846 8270D
Butyl benzyl phthalate		0.0389 J	0.075	0.020	mg/kg	SW846 8270D
Carbazole		0.0223 J	0.075	0.0042	mg/kg	SW846 8270D
Chrysene		0.268	0.038	0.0060	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0536	0.038	0.013	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.0671 J	0.075	0.013	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC7112
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/26/15

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Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Fluoranthene	0.487	0.038	0.0046	mg/kg	SW846 8270D
Fluorene	0.0199 J	0.038	0.0045	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	0.186	0.038	0.019	mg/kg	SW846 8270D
Phenanthrene	0.242	0.038	0.0042	mg/kg	SW846 8270D
Pyrene	0.449	0.038	0.0047	mg/kg	SW846 8270D
alpha-Chlordane [a]	0.0131	0.00075	0.00040	mg/kg	SW846 8081B
gamma-Chlordane [a]	0.010	0.00075	0.00057	mg/kg	SW846 8081B
Dieldrin	0.0092	0.00075	0.00059	mg/kg	SW846 8081B
4,4'-DDT [a]	0.0049	0.00075	0.00029	mg/kg	SW846 8081B
Aluminum	10200	57		mg/kg	SW846 6010C
Arsenic	6.1	2.3		mg/kg	SW846 6010C
Barium	113	23		mg/kg	SW846 6010C
Beryllium	0.30	0.23		mg/kg	SW846 6010C
Cadmium	1.1	0.57		mg/kg	SW846 6010C
Calcium	17500	570		mg/kg	SW846 6010C
Chromium	23.8	1.1		mg/kg	SW846 6010C
Copper	40.3	2.9		mg/kg	SW846 6010C
Iron	19500	57		mg/kg	SW846 6010C
Lead	267	2.3		mg/kg	SW846 6010C
Magnesium	7380	570		mg/kg	SW846 6010C
Manganese	168	1.7		mg/kg	SW846 6010C
Mercury	0.27	0.034		mg/kg	SW846 7471B
Nickel	23.5	4.6		mg/kg	SW846 6010C
Potassium	1110	1100		mg/kg	SW846 6010C
Silver	0.79	0.57		mg/kg	SW846 6010C
Vanadium	35.5	5.7		mg/kg	SW846 6010C
Zinc	184	5.7		mg/kg	SW846 6010C
JC7112-6 SB-4 (12'-14')					
Aluminum	5110	52		mg/kg	SW846 6010C
Barium	28.3	21		mg/kg	SW846 6010C
Beryllium	0.32	0.21		mg/kg	SW846 6010C
Calcium	1210	520		mg/kg	SW846 6010C
Chromium	13.4	1.0		mg/kg	SW846 6010C
Copper	12.6	2.6		mg/kg	SW846 6010C
Iron	16000	52		mg/kg	SW846 6010C
Lead	3.9	2.1		mg/kg	SW846 6010C
Magnesium	1700	520		mg/kg	SW846 6010C
Manganese	198	1.6		mg/kg	SW846 6010C
Mercury	0.038	0.033		mg/kg	SW846 7471B
Nickel	9.0	4.1		mg/kg	SW846 6010C
Vanadium	21.1	5.2		mg/kg	SW846 6010C
Zinc	18.1	5.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC7112
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/26/15

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC7112-7	**SB-401 (12'-14')**					
Aluminum		5780	53		mg/kg	SW846 6010C
Barium		40.0	21		mg/kg	SW846 6010C
Beryllium		0.31	0.21		mg/kg	SW846 6010C
Calcium		1680	530		mg/kg	SW846 6010C
Chromium		12.4	1.1		mg/kg	SW846 6010C
Copper		13.6	2.6		mg/kg	SW846 6010C
Iron		11900	53		mg/kg	SW846 6010C
Lead		3.8	2.1		mg/kg	SW846 6010C
Magnesium		1860	530		mg/kg	SW846 6010C
Manganese		162	1.6		mg/kg	SW846 6010C
Nickel		10	4.2		mg/kg	SW846 6010C
Vanadium		22.9	5.3		mg/kg	SW846 6010C
Zinc		19.3	5.3		mg/kg	SW846 6010C
JC7112-8	**SB-7 (0'-2')**					
Acetone		0.0191	0.0090	0.0020	mg/kg	SW846 8260C
Benzene		0.0015	0.00045	0.00012	mg/kg	SW846 8260C
Acenaphthene		0.0838	0.035	0.033	mg/kg	SW846 8270D
Acenaphthylene		0.122	0.035	0.0036	mg/kg	SW846 8270D
Anthracene		0.363	0.035	0.0030	mg/kg	SW846 8270D
Benzo(a)anthracene		1.15	0.035	0.0067	mg/kg	SW846 8270D
Benzo(a)pyrene		1.08	0.035	0.0074	mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.39	0.035	0.0071	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.765	0.035	0.010	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.442	0.035	0.0077	mg/kg	SW846 8270D
Butyl benzyl phthalate		0.274	0.069	0.019	mg/kg	SW846 8270D
Carbazole		0.131	0.069	0.0038	mg/kg	SW846 8270D
Chrysene		1.15	0.035	0.0056	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.202	0.035	0.012	mg/kg	SW846 8270D
Dibenzofuran		0.0477 J	0.069	0.0048	mg/kg	SW846 8270D
Di-n-butyl phthalate		0.228	0.069	0.0041	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.577	0.069	0.012	mg/kg	SW846 8270D
Fluoranthene		2.14	0.035	0.0042	mg/kg	SW846 8270D
Fluorene		0.0972	0.035	0.0041	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.817	0.035	0.018	mg/kg	SW846 8270D
2-Methylnaphthalene		0.0235 J	0.069	0.0065	mg/kg	SW846 8270D
Naphthalene		0.0352	0.035	0.0055	mg/kg	SW846 8270D
Phenanthrene		1.31	0.035	0.0038	mg/kg	SW846 8270D
Pyrene		2.01	0.035	0.0043	mg/kg	SW846 8270D
alpha-BHC [a]		0.00069	0.00066	0.00044	mg/kg	SW846 8081B
delta-BHC [a]		0.00094	0.00066	0.00026	mg/kg	SW846 8081B
alpha-Chlordane [a]		0.0113	0.00066	0.00035	mg/kg	SW846 8081B

Summary of Hits

Job Number: JC7112
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/26/15

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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
gamma-Chlordane [a]		0.0069	0.00066	0.00051	mg/kg	SW846 8081B
Dieldrin [a]		0.0076	0.00066	0.00052	mg/kg	SW846 8081B
4,4'-DDD		0.0038	0.00066	0.00025	mg/kg	SW846 8081B
4,4'-DDE [a]		0.0016	0.00066	0.00022	mg/kg	SW846 8081B
4,4'-DDT		0.0369	0.00066	0.00025	mg/kg	SW846 8081B
Endosulfan sulfate [a]		0.0013	0.00066	0.00038	mg/kg	SW846 8081B
Heptachlor epoxide [a]		0.0037	0.00066	0.00027	mg/kg	SW846 8081B
Aroclor 1254		0.269	0.033	0.015	mg/kg	SW846 8082A
Aroclor 1260		0.227	0.033	0.014	mg/kg	SW846 8082A
Aluminum		5850	54		mg/kg	SW846 6010C
Arsenic		5.5	2.2		mg/kg	SW846 6010C
Barium		62.3	22		mg/kg	SW846 6010C
Beryllium		0.23	0.22		mg/kg	SW846 6010C
Calcium		41600	1100		mg/kg	SW846 6010C
Chromium		14.4	1.1		mg/kg	SW846 6010C
Copper		27.1	2.7		mg/kg	SW846 6010C
Iron		10300	54		mg/kg	SW846 6010C
Lead		100	2.2		mg/kg	SW846 6010C
Magnesium		11600	540		mg/kg	SW846 6010C
Manganese		180	1.6		mg/kg	SW846 6010C
Mercury		0.11	0.034		mg/kg	SW846 7471B
Nickel		11.7	4.3		mg/kg	SW846 6010C
Vanadium		29.9	5.4		mg/kg	SW846 6010C
Zinc		80.8	5.4		mg/kg	SW846 6010C
JC7112-9	**SB-7 (12'-14')**					
Acetone		0.0061 J	0.010	0.0023	mg/kg	SW846 8260C
Aluminum		4220	51		mg/kg	SW846 6010C
Beryllium		0.25	0.20		mg/kg	SW846 6010C
Calcium		910	510		mg/kg	SW846 6010C
Chromium		9.1	1.0		mg/kg	SW846 6010C
Copper		6.8	2.5		mg/kg	SW846 6010C
Iron		7640	51		mg/kg	SW846 6010C
Lead		2.7	2.0		mg/kg	SW846 6010C
Magnesium		1460	510		mg/kg	SW846 6010C
Manganese		243	1.5		mg/kg	SW846 6010C
Nickel		11.0	4.1		mg/kg	SW846 6010C
Vanadium		11.7	5.1		mg/kg	SW846 6010C
Zinc		13.3	5.1		mg/kg	SW846 6010C
JC7112-10	**FB-1**					
Calcium		7950	5000		ug/l	SW846 6010C
Magnesium		18700	5000		ug/l	SW846 6010C

Summary of Hits

Job Number: JC7112
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/26/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Manganese		62.6	15		ug/l	SW846 6010C
Potassium		14200	10000		ug/l	SW846 6010C
Sodium		17500	10000		ug/l	SW846 6010C

(a) More than 40 % RPD for detected concentrations between the two GC columns.

New Jersey
ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SB-5 (0'-2')		
Lab Sample ID:	JC7112-1	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	89.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V156975.D	1	10/30/15	PR	10/28/15 09:00	n/a	VV6635
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0059	0.0094	0.0021	mg/kg	J
71-43-2	Benzene	ND	0.00047	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0047	0.00029	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	0.00015	mg/kg	
75-25-2	Bromoform	ND	0.0047	0.00022	mg/kg	
74-83-9	Bromomethane	ND	0.0047	0.00034	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0094	0.0018	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	0.00021	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	0.00022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	0.00014	mg/kg	
75-00-3	Chloroethane	ND	0.0047	0.00045	mg/kg	
67-66-3	Chloroform	ND	0.0019	0.00014	mg/kg	
74-87-3	Chloromethane	ND	0.0047	0.00025	mg/kg	
110-82-7	Cyclohexane	ND	0.0019	0.00030	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	0.00051	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	0.00019	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00094	0.00012	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00094	0.00011	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00094	0.00015	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00094	0.00021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0047	0.00034	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00094	0.00013	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00094	0.00013	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00094	0.00055	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00094	0.00073	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00094	0.00056	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0019	0.00022	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	0.00011	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	0.00017	mg/kg	
100-41-4	Ethylbenzene	ND	0.00094	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0047	0.00042	mg/kg	
591-78-6	2-Hexanone	ND	0.0047	0.0013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (0'-2')		
Lab Sample ID:	JC7112-1	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	89.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0019	0.000099	mg/kg	
79-20-9	Methyl Acetate	ND	0.0047	0.00080	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0019	0.00021	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00094	0.00014	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0047	0.00043	mg/kg	
75-09-2	Methylene chloride	ND	0.0047	0.00092	mg/kg	
100-42-5	Styrene	ND	0.0019	0.00017	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0019	0.00016	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	0.00028	mg/kg	
108-88-3	Toluene	ND	0.00094	0.00019	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0047	0.00016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0047	0.00016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	0.00014	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	0.00014	mg/kg	
79-01-6	Trichloroethene	ND	0.00094	0.00014	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0047	0.00023	mg/kg	
75-01-4	Vinyl chloride	ND	0.0019	0.00018	mg/kg	
	m,p-Xylene	ND	0.00094	0.00033	mg/kg	
95-47-6	o-Xylene	ND	0.00094	0.00026	mg/kg	
1330-20-7	Xylene (total)	ND	0.00094	0.00026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-122%
17060-07-0	1,2-Dichloroethane-D4	101%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	101%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (0'-2')		
Lab Sample ID:	JC7112-1	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22578.D	1	10/28/15	AP	10/28/15	OP88465	E5P1156
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.075	0.027	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.034	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.030	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.068	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.19	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.19	0.071	mg/kg	
95-48-7	2-Methylphenol	ND	0.075	0.054	mg/kg	
	3&4-Methylphenol	ND	0.075	0.036	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.034	mg/kg	
100-02-7	4-Nitrophenol	ND	0.37	0.063	mg/kg	
87-86-5	Pentachlorophenol	ND	0.19	0.091	mg/kg	
108-95-2	Phenol	ND	0.075	0.028	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.035	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.034	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.030	mg/kg	
83-32-9	Acenaphthene	0.170	0.037	0.035	mg/kg	
208-96-8	Acenaphthylene	0.128	0.037	0.0039	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0063	mg/kg	
120-12-7	Anthracene	0.487	0.037	0.0032	mg/kg	
1912-24-9	Atrazine	ND	0.075	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	1.39	0.037	0.0072	mg/kg	
50-32-8	Benzo(a)pyrene	1.25	0.037	0.0079	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.62	0.037	0.0077	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.843	0.037	0.011	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.572	0.037	0.0083	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.075	0.0085	mg/kg	
85-68-7	Butyl benzyl phthalate	0.174	0.075	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.075	0.0069	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0093	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.075	0.0053	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.0099	mg/kg	
86-74-8	Carbazole	0.268	0.075	0.0041	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (0'-2')		
Lab Sample ID:	JC7112-1	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.075	0.024	mg/kg	
218-01-9	Chrysene	1.31	0.037	0.0060	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.075	0.0085	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.075	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.075	0.0085	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.075	0.0070	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.037	0.0070	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.037	0.0096	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.075	0.024	mg/kg	
123-91-1	1,4-Dioxane	ND	0.037	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.235	0.037	0.013	mg/kg	
132-64-9	Dibenzofuran	0.116	0.075	0.0052	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.075	0.0044	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.075	0.0050	mg/kg	
84-66-2	Diethyl phthalate	ND	0.075	0.0047	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.075	0.0053	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0789	0.075	0.013	mg/kg	
206-44-0	Fluoranthene	2.89	0.037	0.0045	mg/kg	
86-73-7	Fluorene	0.188	0.037	0.0044	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.075	0.0073	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.0099	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.37	0.059	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.957	0.037	0.019	mg/kg	
78-59-1	Isophorone	ND	0.075	0.0070	mg/kg	
91-57-6	2-Methylnaphthalene	0.0466	0.075	0.0070	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.19	0.0085	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.012	mg/kg	
91-20-3	Naphthalene	0.0890	0.037	0.0060	mg/kg	
98-95-3	Nitrobenzene	ND	0.075	0.012	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.075	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.020	mg/kg	
85-01-8	Phenanthrene	2.08	0.037	0.0041	mg/kg	
129-00-0	Pyrene	2.37	0.037	0.0047	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.19	0.0089	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (0'-2')		
Lab Sample ID:	JC7112-1	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	75%		30-106%
118-79-6	2,4,6-Tribromophenol	86%		24-140%
4165-60-0	Nitrobenzene-d5	75%		26-122%
321-60-8	2-Fluorobiphenyl	76%		36-112%
1718-51-0	Terphenyl-d14	81%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (0'-2')		
Lab Sample ID:	JC7112-1	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28675.D	1	10/30/15	YD	10/28/15	OP88468	G6G842
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00074	0.00066	mg/kg	
319-84-6	alpha-BHC	ND	0.00074	0.00049	mg/kg	
319-85-7	beta-BHC	ND	0.00074	0.00046	mg/kg	
319-86-8	delta-BHC	ND	0.00074	0.00029	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00074	0.00034	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00074	0.00039	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00074	0.00056	mg/kg	
60-57-1	Dieldrin	ND	0.00074	0.00058	mg/kg	
72-54-8	4,4'-DDD	ND	0.00074	0.00027	mg/kg	
72-55-9	4,4'-DDE	ND	0.00074	0.00025	mg/kg	
50-29-3	4,4'-DDT [a]	0.0041	0.00074	0.00028	mg/kg	
72-20-8	Endrin	ND	0.00074	0.00026	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00074	0.00042	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00074	0.00055	mg/kg	
959-98-8	Endosulfan-I	ND	0.00074	0.00024	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00074	0.00070	mg/kg	
76-44-8	Heptachlor	ND	0.00074	0.00061	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00074	0.00030	mg/kg	
72-43-5	Methoxychlor	ND	0.0015	0.00041	mg/kg	
53494-70-5	Endrin ketone	ND	0.00074	0.00039	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		24-136%
877-09-8	Tetrachloro-m-xylene	99%		24-136%
2051-24-3	Decachlorobiphenyl	91%		10-153%
2051-24-3	Decachlorobiphenyl	136%		10-153%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (0'-2')		
Lab Sample ID:	JC7112-1	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121686.D	1	10/29/15	DG	10/28/15	OP88467	G2G3506
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.037	0.012	mg/kg	
11104-28-2	Aroclor 1221	ND	0.037	0.022	mg/kg	
11141-16-5	Aroclor 1232	ND	0.037	0.012	mg/kg	
53469-21-9	Aroclor 1242	ND	0.037	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.037	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.037	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.037	0.016	mg/kg	
11100-14-4	Aroclor 1268	ND	0.037	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.037	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	115%		20-152%
877-09-8	Tetrachloro-m-xylene	124%		20-152%
2051-24-3	Decachlorobiphenyl	105%		12-157%
2051-24-3	Decachlorobiphenyl	183% [a]		12-157%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (0'-2')		
Lab Sample ID:	JC7112-1	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
		Percent Solids:	89.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	13000	55	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Arsenic	5.5	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Barium	97.6	22	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.51	0.22	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.72	0.55	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Calcium	9270	550	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Chromium	23.8	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cobalt	7.3	5.5	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Copper	50.4	2.8	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Iron	20600	55	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Lead	370	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Magnesium	2860	550	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Manganese	332	1.7	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.44	0.035	mg/kg	1	10/29/15	10/29/15	FP	SW846 7471B [1]	SW846 7471B [5]
Nickel	17.7	4.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Potassium	1110	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.55	0.55	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Vanadium	33.7	5.5	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Zinc	115	5.5	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA37893
(2) Instrument QC Batch: MA37898
(3) Instrument QC Batch: MA37931
(4) Prep QC Batch: MP89906
(5) Prep QC Batch: MP89944

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-5 (12'-14')		
Lab Sample ID:	JC7112-2	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V156976.D	1	10/30/15	PR	10/28/15 09:00	n/a	VV6635
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.011	0.0026	mg/kg	
71-43-2	Benzene	ND	0.00057	0.00015	mg/kg	
74-97-5	Bromochloromethane	ND	0.0057	0.00035	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	0.00018	mg/kg	
75-25-2	Bromoform	ND	0.0057	0.00027	mg/kg	
74-83-9	Bromomethane	ND	0.0057	0.00042	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0022	mg/kg	
75-15-0	Carbon disulfide	ND	0.0023	0.00026	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	0.00026	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0057	0.00055	mg/kg	
67-66-3	Chloroform	ND	0.0023	0.00017	mg/kg	
74-87-3	Chloromethane	ND	0.0057	0.00030	mg/kg	
110-82-7	Cyclohexane	ND	0.0023	0.00036	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0023	0.00062	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0023	0.00023	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00015	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00014	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00018	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00026	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0057	0.00041	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00016	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00015	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00068	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00089	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00068	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0023	0.00027	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	0.00014	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	0.00020	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00019	mg/kg	
76-13-1	Freon 113	ND	0.0057	0.00051	mg/kg	
591-78-6	2-Hexanone	ND	0.0057	0.0015	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (12'-14')		
Lab Sample ID:	JC7112-2	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0023	0.00012	mg/kg	
79-20-9	Methyl Acetate	ND	0.0057	0.00099	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0023	0.00026	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00018	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0057	0.00053	mg/kg	
75-09-2	Methylene chloride	ND	0.0057	0.0011	mg/kg	
100-42-5	Styrene	ND	0.0023	0.00020	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0023	0.00020	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	0.00034	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00024	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0057	0.00020	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0057	0.00019	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	0.00017	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	0.00017	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00017	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0057	0.00029	mg/kg	
75-01-4	Vinyl chloride	ND	0.0023	0.00023	mg/kg	
	m,p-Xylene	ND	0.0011	0.00040	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00031	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00031	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-122%
17060-07-0	1,2-Dichloroethane-D4	100%		68-124%
2037-26-5	Toluene-D8	100%		77-125%
460-00-4	4-Bromofluorobenzene	99%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (12'-14')		
Lab Sample ID:	JC7112-2	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22603.D	1	10/29/15	SD	10/28/15	OP88465	E5P1157
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.071	0.026	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.032	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.028	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.065	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.067	mg/kg	
95-48-7	2-Methylphenol	ND	0.071	0.051	mg/kg	
	3&4-Methylphenol	ND	0.071	0.034	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.033	mg/kg	
100-02-7	4-Nitrophenol	ND	0.35	0.060	mg/kg	
87-86-5	Pentachlorophenol	ND	0.18	0.086	mg/kg	
108-95-2	Phenol	ND	0.071	0.026	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.033	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.032	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.028	mg/kg	
83-32-9	Acenaphthene	ND	0.035	0.033	mg/kg	
208-96-8	Acenaphthylene	ND	0.035	0.0037	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0060	mg/kg	
120-12-7	Anthracene	ND	0.035	0.0030	mg/kg	
1912-24-9	Atrazine	ND	0.071	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.035	0.0068	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.035	0.0075	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.035	0.0073	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.035	0.011	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.035	0.0079	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.071	0.0080	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.071	0.019	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.071	0.0065	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0088	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.071	0.0050	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.0093	mg/kg	
86-74-8	Carbazole	ND	0.071	0.0039	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (12'-14')		
Lab Sample ID:	JC7112-2	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.071	0.023	mg/kg	
218-01-9	Chrysene	ND	0.035	0.0057	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.071	0.0080	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.071	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.071	0.0081	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.071	0.0066	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.035	0.0066	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.035	0.0091	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.071	0.023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.035	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.035	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.071	0.0049	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.071	0.0042	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.071	0.0048	mg/kg	
84-66-2	Diethyl phthalate	ND	0.071	0.0045	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.071	0.0050	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.071	0.012	mg/kg	
206-44-0	Fluoranthene	ND	0.035	0.0043	mg/kg	
86-73-7	Fluorene	ND	0.035	0.0042	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.071	0.0069	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.035	0.0093	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.35	0.056	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.035	0.018	mg/kg	
78-59-1	Isophorone	ND	0.071	0.0066	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.071	0.0066	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0080	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.012	mg/kg	
91-20-3	Naphthalene	ND	0.035	0.0056	mg/kg	
98-95-3	Nitrobenzene	ND	0.071	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.071	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.019	mg/kg	
85-01-8	Phenanthrene	ND	0.035	0.0039	mg/kg	
129-00-0	Pyrene	ND	0.035	0.0044	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0085	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	84%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (12'-14')		
Lab Sample ID:	JC7112-2	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	83%		30-106%
118-79-6	2,4,6-Tribromophenol	82%		24-140%
4165-60-0	Nitrobenzene-d5	78%		26-122%
321-60-8	2-Fluorobiphenyl	77%		36-112%
1718-51-0	Terphenyl-d14	78%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (12'-14')		
Lab Sample ID:	JC7112-2	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28676.D	1	10/30/15	YD	10/28/15	OP88468	G6G842
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00072	0.00064	mg/kg	
319-84-6	alpha-BHC	ND	0.00072	0.00048	mg/kg	
319-85-7	beta-BHC	ND	0.00072	0.00044	mg/kg	
319-86-8	delta-BHC	ND	0.00072	0.00028	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00072	0.00033	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00072	0.00038	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00072	0.00055	mg/kg	
60-57-1	Dieldrin	ND	0.00072	0.00056	mg/kg	
72-54-8	4,4'-DDD	ND	0.00072	0.00027	mg/kg	
72-55-9	4,4'-DDE	ND	0.00072	0.00024	mg/kg	
50-29-3	4,4'-DDT	ND	0.00072	0.00027	mg/kg	
72-20-8	Endrin	ND	0.00072	0.00025	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00072	0.00041	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00072	0.00053	mg/kg	
959-98-8	Endosulfan-I	ND	0.00072	0.00024	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00072	0.00068	mg/kg	
76-44-8	Heptachlor	ND	0.00072	0.00059	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00072	0.00030	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00040	mg/kg	
53494-70-5	Endrin ketone	ND	0.00072	0.00038	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		24-136%
877-09-8	Tetrachloro-m-xylene	71%		24-136%
2051-24-3	Decachlorobiphenyl	77%		10-153%
2051-24-3	Decachlorobiphenyl	78%		10-153%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (12'-14')		
Lab Sample ID:	JC7112-2	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121687.D	1	10/29/15	DG	10/28/15	OP88467	G2G3506
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.036	0.011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.036	0.021	mg/kg	
11141-16-5	Aroclor 1232	ND	0.036	0.012	mg/kg	
53469-21-9	Aroclor 1242	ND	0.036	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.036	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.036	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.036	0.015	mg/kg	
11100-14-4	Aroclor 1268	ND	0.036	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.036	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		20-152%
877-09-8	Tetrachloro-m-xylene	106%		20-152%
2051-24-3	Decachlorobiphenyl	85%		12-157%
2051-24-3	Decachlorobiphenyl	122%		12-157%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (12'-14')		
Lab Sample ID:	JC7112-2	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
		Percent Solids:	90.9
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5310	57	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Arsenic	< 2.3	2.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Barium	24.4	23	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.31	0.23	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.57	0.57	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Calcium	799	570	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Chromium	15.0	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 5.7	5.7	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Copper	10.7	2.8	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Iron	12500	57	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Lead	4.2	2.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Magnesium	1850	570	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Manganese	177	1.7	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Mercury	< 0.033	0.033	mg/kg	1	10/29/15	10/29/15	FP	SW846 7471B [1]	SW846 7471B [5]
Nickel	9.9	4.5	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.57	0.57	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Vanadium	21.2	5.7	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Zinc	32.3	5.7	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA37893
(2) Instrument QC Batch: MA37898
(3) Instrument QC Batch: MA37931
(4) Prep QC Batch: MP89906
(5) Prep QC Batch: MP89944

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-6 (0'-2')		
Lab Sample ID:	JC7112-3	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	92.3
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V156977.D	1	10/30/15	PR	10/28/15 09:00	n/a	VV6635
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.0090	0.0020	mg/kg	
71-43-2	Benzene	ND	0.00045	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0045	0.00028	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0018	0.00014	mg/kg	
75-25-2	Bromoform	ND	0.0045	0.00021	mg/kg	
74-83-9	Bromomethane	ND	0.0045	0.00033	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0090	0.0017	mg/kg	
75-15-0	Carbon disulfide	ND	0.0018	0.00021	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0018	0.00021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0018	0.00014	mg/kg	
75-00-3	Chloroethane	ND	0.0045	0.00043	mg/kg	
67-66-3	Chloroform	ND	0.0018	0.00013	mg/kg	
74-87-3	Chloromethane	ND	0.0045	0.00024	mg/kg	
110-82-7	Cyclohexane	ND	0.0018	0.00029	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0018	0.00049	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0018	0.00019	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00090	0.00012	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00090	0.00011	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00090	0.00014	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00090	0.00020	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0045	0.00033	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00090	0.00013	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00090	0.00012	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00090	0.00053	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00090	0.00070	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00090	0.00054	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0018	0.00021	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0018	0.00011	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0018	0.00016	mg/kg	
100-41-4	Ethylbenzene	ND	0.00090	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0045	0.00040	mg/kg	
591-78-6	2-Hexanone	ND	0.0045	0.0012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (0'-2')		
Lab Sample ID:	JC7112-3	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	92.3
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0018	0.000096	mg/kg	
79-20-9	Methyl Acetate	ND	0.0045	0.00078	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0018	0.00020	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00090	0.00014	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0045	0.00041	mg/kg	
75-09-2	Methylene chloride	ND	0.0045	0.00089	mg/kg	
100-42-5	Styrene	ND	0.0018	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0018	0.00016	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0018	0.00027	mg/kg	
108-88-3	Toluene	ND	0.00090	0.00019	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0045	0.00016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0045	0.00015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0018	0.00013	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0018	0.00013	mg/kg	
79-01-6	Trichloroethene	ND	0.00090	0.00013	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0045	0.00022	mg/kg	
75-01-4	Vinyl chloride	ND	0.0018	0.00018	mg/kg	
	m,p-Xylene	ND	0.00090	0.00032	mg/kg	
95-47-6	o-Xylene	ND	0.00090	0.00025	mg/kg	
1330-20-7	Xylene (total)	ND	0.00090	0.00025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-122%
17060-07-0	1,2-Dichloroethane-D4	99%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	99%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (0'-2')		
Lab Sample ID:	JC7112-3	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.3
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22608.D	1	10/29/15	SD	10/28/15	OP88465	E5P1157
Run #2							

	Initial Weight	Final Volume
Run #1	31.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.068	0.025	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.031	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.027	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.17	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.17	0.065	mg/kg	
95-48-7	2-Methylphenol	ND	0.068	0.050	mg/kg	
	3&4-Methylphenol	ND	0.068	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.17	0.032	mg/kg	
100-02-7	4-Nitrophenol	ND	0.34	0.058	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.083	mg/kg	
108-95-2	Phenol	ND	0.068	0.026	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.032	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.028	mg/kg	
83-32-9	Acenaphthene	ND	0.034	0.032	mg/kg	
208-96-8	Acenaphthylene	0.0198	0.034	0.0036	mg/kg	J
98-86-2	Acetophenone	ND	0.17	0.0058	mg/kg	
120-12-7	Anthracene	0.100	0.034	0.0029	mg/kg	
1912-24-9	Atrazine	ND	0.068	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	0.293	0.034	0.0066	mg/kg	
50-32-8	Benzo(a)pyrene	0.263	0.034	0.0073	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.302	0.034	0.0070	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.147	0.034	0.010	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.123	0.034	0.0076	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.068	0.0078	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.068	0.018	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.068	0.0063	mg/kg	
100-52-7	Benzaldehyde	ND	0.17	0.0085	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.068	0.0049	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.0091	mg/kg	
86-74-8	Carbazole	0.0450	0.068	0.0038	mg/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (0'-2')		
Lab Sample ID:	JC7112-3	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.3
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.068	0.022	mg/kg	
218-01-9	Chrysene	0.288	0.034	0.0055	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.068	0.0078	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.068	0.014	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.068	0.0078	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.068	0.0064	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.034	0.0064	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.034	0.0088	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.068	0.022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.034	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0410	0.034	0.012	mg/kg	
132-64-9	Dibenzofuran	0.0223	0.068	0.0048	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.068	0.0040	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.068	0.0046	mg/kg	
84-66-2	Diethyl phthalate	ND	0.068	0.0043	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.068	0.0049	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.068	0.012	mg/kg	
206-44-0	Fluoranthene	0.541	0.034	0.0042	mg/kg	
86-73-7	Fluorene	0.0344	0.034	0.0041	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.068	0.0067	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.034	0.0091	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.34	0.054	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.164	0.034	0.018	mg/kg	
78-59-1	Isophorone	ND	0.068	0.0064	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.068	0.0064	mg/kg	
88-74-4	2-Nitroaniline	ND	0.17	0.0078	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.0097	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.011	mg/kg	
91-20-3	Naphthalene	0.0186	0.034	0.0055	mg/kg	J
98-95-3	Nitrobenzene	ND	0.068	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.068	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.018	mg/kg	
85-01-8	Phenanthrene	0.421	0.034	0.0038	mg/kg	
129-00-0	Pyrene	0.575	0.034	0.0043	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.17	0.0082	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (0'-2')		
Lab Sample ID:	JC7112-3	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.3
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	69%		30-106%
118-79-6	2,4,6-Tribromophenol	67%		24-140%
4165-60-0	Nitrobenzene-d5	68%		26-122%
321-60-8	2-Fluorobiphenyl	67%		36-112%
1718-51-0	Terphenyl-d14	68%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (0'-2')		
Lab Sample ID:	JC7112-3	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	92.3
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28679.D	1	10/30/15	YD	10/28/15	OP88468	G6G842
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00071	0.00064	mg/kg	
319-84-6	alpha-BHC	ND	0.00071	0.00048	mg/kg	
319-85-7	beta-BHC	ND	0.00071	0.00044	mg/kg	
319-86-8	delta-BHC	ND	0.00071	0.00028	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00071	0.00032	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00071	0.00038	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00071	0.00054	mg/kg	
60-57-1	Dieldrin	0.0016	0.00071	0.00056	mg/kg	
72-54-8	4,4'-DDD	ND	0.00071	0.00026	mg/kg	
72-55-9	4,4'-DDE	ND	0.00071	0.00024	mg/kg	
50-29-3	4,4'-DDT [a]	0.0094	0.00071	0.00027	mg/kg	
72-20-8	Endrin	ND	0.00071	0.00025	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00071	0.00041	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00071	0.00053	mg/kg	
959-98-8	Endosulfan-I	ND	0.00071	0.00023	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00071	0.00067	mg/kg	
76-44-8	Heptachlor	ND	0.00071	0.00059	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00071	0.00029	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00040	mg/kg	
53494-70-5	Endrin ketone	ND	0.00071	0.00037	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		24-136%
877-09-8	Tetrachloro-m-xylene	82%		24-136%
2051-24-3	Decachlorobiphenyl	77%		10-153%
2051-24-3	Decachlorobiphenyl	138%		10-153%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (0'-2')		
Lab Sample ID:	JC7112-3	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	92.3
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121688.D	1	10/29/15	DG	10/28/15	OP88467	G2G3506
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.036	0.011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.036	0.021	mg/kg	
11141-16-5	Aroclor 1232	ND	0.036	0.012	mg/kg	
53469-21-9	Aroclor 1242	ND	0.036	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.036	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.036	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.036	0.015	mg/kg	
11100-14-4	Aroclor 1268	ND	0.036	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.036	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		20-152%
877-09-8	Tetrachloro-m-xylene	101%		20-152%
2051-24-3	Decachlorobiphenyl	88%		12-157%
2051-24-3	Decachlorobiphenyl	190% [a]		12-157%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (0'-2')		
Lab Sample ID:	JC7112-3	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
		Percent Solids:	92.3
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5860	54	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Antimony	< 2.2	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Arsenic	5.5	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Barium	86.2	22	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Beryllium	0.25	0.22	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Cadmium	0.65	0.54	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Calcium	56500	1600	mg/kg	3	10/28/15	10/31/15	GT	SW846 6010C [3]	SW846 3050B [5]
Chromium	17.0	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Cobalt	< 5.4	5.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Copper	45.4	2.7	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [4]	SW846 3050B [5]
Iron	10900	54	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Lead	253	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Magnesium	7440	540	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Manganese	268	1.6	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Mercury	0.24	0.036	mg/kg	1	10/29/15	10/29/15	FP	SW846 7471B [1]	SW846 7471B [6]
Nickel	16.0	4.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Potassium	1110	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Selenium	< 2.2	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Silver	0.81	0.54	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [4]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Vanadium	26.9	5.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Zinc	133	5.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA37893
(2) Instrument QC Batch: MA37898
(3) Instrument QC Batch: MA37912
(4) Instrument QC Batch: MA37931
(5) Prep QC Batch: MP89906
(6) Prep QC Batch: MP89944

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-6 (12'-14')		
Lab Sample ID:	JC7112-4	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V156978.D	1	10/30/15	PR	10/28/15 09:00	n/a	VV6635
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.0098	0.0022	mg/kg	
71-43-2	Benzene	ND	0.00049	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0049	0.00030	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00015	mg/kg	
75-25-2	Bromoform	ND	0.0049	0.00023	mg/kg	
74-83-9	Bromomethane	ND	0.0049	0.00036	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0098	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00022	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00015	mg/kg	
75-00-3	Chloroethane	ND	0.0049	0.00047	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00015	mg/kg	
74-87-3	Chloromethane	ND	0.0049	0.00026	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00031	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00054	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00020	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00098	0.00013	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00098	0.00012	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00098	0.00015	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00098	0.00022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0049	0.00036	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00098	0.00014	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00098	0.00013	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00098	0.00058	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00098	0.00077	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00098	0.00058	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00023	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00012	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00017	mg/kg	
100-41-4	Ethylbenzene	ND	0.00098	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0049	0.00044	mg/kg	
591-78-6	2-Hexanone	ND	0.0049	0.0013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (12'-14')		
Lab Sample ID:	JC7112-4	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	94.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00010	mg/kg	
79-20-9	Methyl Acetate	ND	0.0049	0.00085	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00022	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00098	0.00015	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0049	0.00045	mg/kg	
75-09-2	Methylene chloride	0.0014	0.0049	0.00097	mg/kg	J
100-42-5	Styrene	ND	0.0020	0.00018	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00017	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00030	mg/kg	
108-88-3	Toluene	ND	0.00098	0.00020	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0049	0.00017	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0049	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00014	mg/kg	
79-01-6	Trichloroethene	ND	0.00098	0.00014	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0049	0.00025	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00019	mg/kg	
	m,p-Xylene	ND	0.00098	0.00035	mg/kg	
95-47-6	o-Xylene	ND	0.00098	0.00027	mg/kg	
1330-20-7	Xylene (total)	ND	0.00098	0.00027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-122%
17060-07-0	1,2-Dichloroethane-D4	100%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	100%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (12'-14')		
Lab Sample ID:	JC7112-4	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22604.D	1	10/29/15	SD	10/28/15	OP88465	E5P1157
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.070	0.026	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.032	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.028	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.064	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.067	mg/kg	
95-48-7	2-Methylphenol	ND	0.070	0.051	mg/kg	
	3&4-Methylphenol	ND	0.070	0.034	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.032	mg/kg	
100-02-7	4-Nitrophenol	ND	0.35	0.060	mg/kg	
87-86-5	Pentachlorophenol	ND	0.18	0.086	mg/kg	
108-95-2	Phenol	ND	0.070	0.026	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.033	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.032	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.028	mg/kg	
83-32-9	Acenaphthene	ND	0.035	0.033	mg/kg	
208-96-8	Acenaphthylene	ND	0.035	0.0037	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0060	mg/kg	
120-12-7	Anthracene	ND	0.035	0.0030	mg/kg	
1912-24-9	Atrazine	ND	0.070	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.035	0.0068	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.035	0.0075	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.035	0.0072	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.035	0.011	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.035	0.0078	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.070	0.0080	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.070	0.019	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.070	0.0065	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0088	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.070	0.0050	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.0093	mg/kg	
86-74-8	Carbazole	ND	0.070	0.0039	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (12'-14')		
Lab Sample ID:	JC7112-4	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.070	0.023	mg/kg	
218-01-9	Chrysene	ND	0.035	0.0057	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.070	0.0080	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.070	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.070	0.0081	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.070	0.0066	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.035	0.0066	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.035	0.0091	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.070	0.023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.035	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.035	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.070	0.0049	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.070	0.0042	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.070	0.0048	mg/kg	
84-66-2	Diethyl phthalate	ND	0.070	0.0045	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.070	0.0050	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.070	0.012	mg/kg	
206-44-0	Fluoranthene	ND	0.035	0.0043	mg/kg	
86-73-7	Fluorene	ND	0.035	0.0042	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.070	0.0069	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.035	0.0093	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.35	0.056	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.035	0.018	mg/kg	
78-59-1	Isophorone	ND	0.070	0.0066	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.070	0.0066	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0080	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.012	mg/kg	
91-20-3	Naphthalene	ND	0.035	0.0056	mg/kg	
98-95-3	Nitrobenzene	ND	0.070	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.070	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.019	mg/kg	
85-01-8	Phenanthrene	ND	0.035	0.0039	mg/kg	
129-00-0	Pyrene	ND	0.035	0.0044	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0084	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	86%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (12'-14')		
Lab Sample ID:	JC7112-4	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	94.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	82%		30-106%
118-79-6	2,4,6-Tribromophenol	84%		24-140%
4165-60-0	Nitrobenzene-d5	82%		26-122%
321-60-8	2-Fluorobiphenyl	80%		36-112%
1718-51-0	Terphenyl-d14	83%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (12'-14')		
Lab Sample ID:	JC7112-4	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28680.D	1	10/30/15	YD	10/28/15	OP88468	G6G842
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00071	0.00063	mg/kg	
319-84-6	alpha-BHC	ND	0.00071	0.00047	mg/kg	
319-85-7	beta-BHC	ND	0.00071	0.00044	mg/kg	
319-86-8	delta-BHC	ND	0.00071	0.00028	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00071	0.00032	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00071	0.00038	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00071	0.00054	mg/kg	
60-57-1	Dieldrin	ND	0.00071	0.00055	mg/kg	
72-54-8	4,4'-DDD	ND	0.00071	0.00026	mg/kg	
72-55-9	4,4'-DDE	ND	0.00071	0.00024	mg/kg	
50-29-3	4,4'-DDT	ND	0.00071	0.00027	mg/kg	
72-20-8	Endrin	ND	0.00071	0.00025	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00071	0.00040	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00071	0.00053	mg/kg	
959-98-8	Endosulfan-I	ND	0.00071	0.00023	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00071	0.00067	mg/kg	
76-44-8	Heptachlor	ND	0.00071	0.00058	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00071	0.00029	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00039	mg/kg	
53494-70-5	Endrin ketone	ND	0.00071	0.00037	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		24-136%
877-09-8	Tetrachloro-m-xylene	93%		24-136%
2051-24-3	Decachlorobiphenyl	96%		10-153%
2051-24-3	Decachlorobiphenyl	104%		10-153%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (12'-14')		
Lab Sample ID:	JC7112-4	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121689.D	1	10/29/15	DG	10/28/15	OP88467	G2G3506
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.035	0.011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.035	0.021	mg/kg	
11141-16-5	Aroclor 1232	ND	0.035	0.012	mg/kg	
53469-21-9	Aroclor 1242	ND	0.035	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.035	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.035	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.035	0.015	mg/kg	
11100-14-4	Aroclor 1268	ND	0.035	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.035	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	121%		20-152%
877-09-8	Tetrachloro-m-xylene	133%		20-152%
2051-24-3	Decachlorobiphenyl	94%		12-157%
2051-24-3	Decachlorobiphenyl	115%		12-157%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (12'-14')		
Lab Sample ID:	JC7112-4	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
		Percent Solids:	94.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6010	54	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Arsenic	< 2.2	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Barium	27.9	22	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.40	0.22	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.54	0.54	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Calcium	1350	540	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Chromium	14.3	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 5.4	5.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Copper	10.8	2.7	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Iron	16200	54	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Lead	4.6	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Magnesium	1720	540	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Manganese	389	1.6	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Mercury	< 0.035	0.035	mg/kg	1	10/29/15	10/29/15	FP	SW846 7471B [1]	SW846 7471B [5]
Nickel	12.3	4.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.54	0.54	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Vanadium	24.9	5.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Zinc	20.4	5.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA37893
(2) Instrument QC Batch: MA37898
(3) Instrument QC Batch: MA37931
(4) Prep QC Batch: MP89906
(5) Prep QC Batch: MP89944

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-4 (0'-2')		
Lab Sample ID:	JC7112-5	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	87.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V156982.D	1	10/30/15	PR	10/28/15 09:00	n/a	VV6635
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0064	0.011	0.0024	mg/kg	J
71-43-2	Benzene	0.0046	0.00053	0.00014	mg/kg	
74-97-5	Bromochloromethane	ND	0.0053	0.00033	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	0.00016	mg/kg	
75-25-2	Bromoform	ND	0.0053	0.00025	mg/kg	
74-83-9	Bromomethane	ND	0.0053	0.00038	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0020	mg/kg	
75-15-0	Carbon disulfide	ND	0.0021	0.00024	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	0.00024	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0053	0.00051	mg/kg	
67-66-3	Chloroform	ND	0.0021	0.00016	mg/kg	
74-87-3	Chloromethane	ND	0.0053	0.00028	mg/kg	
110-82-7	Cyclohexane	ND	0.0021	0.00033	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0021	0.00058	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0021	0.00022	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00014	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00013	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00017	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00024	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0053	0.00038	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00015	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00014	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00063	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00082	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00063	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0021	0.00025	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	0.00012	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	0.00019	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0053	0.00047	mg/kg	
591-78-6	2-Hexanone	ND	0.0053	0.0014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (0'-2')		
Lab Sample ID:	JC7112-5	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	87.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0021	0.00011	mg/kg	
79-20-9	Methyl Acetate	ND	0.0053	0.00091	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0021	0.00024	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00016	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0053	0.00049	mg/kg	
75-09-2	Methylene chloride	ND	0.0053	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0021	0.00019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0021	0.00018	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0021	0.00032	mg/kg	
108-88-3	Toluene	0.00056	0.0011	0.00022	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0053	0.00019	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0053	0.00018	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	0.00016	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	0.00016	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00016	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0053	0.00026	mg/kg	
75-01-4	Vinyl chloride	ND	0.0021	0.00021	mg/kg	
	m,p-Xylene	ND	0.0011	0.00037	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00029	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-122%
17060-07-0	1,2-Dichloroethane-D4	99%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	97%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (0'-2')		
Lab Sample ID:	JC7112-5	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	87.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22638.D	1	10/29/15	AN	10/28/15	OP88465	E5P1158
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.075	0.028	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.034	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.030	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.069	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.19	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.19	0.071	mg/kg	
95-48-7	2-Methylphenol	ND	0.075	0.054	mg/kg	
	3&4-Methylphenol	ND	0.075	0.036	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.035	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	0.064	mg/kg	
87-86-5	Pentachlorophenol	ND	0.19	0.092	mg/kg	
108-95-2	Phenol	ND	0.075	0.028	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.035	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.034	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.030	mg/kg	
83-32-9	Acenaphthene	ND	0.038	0.035	mg/kg	
208-96-8	Acenaphthylene	0.0269	0.038	0.0039	mg/kg	J
98-86-2	Acetophenone	ND	0.19	0.0064	mg/kg	
120-12-7	Anthracene	0.101	0.038	0.0032	mg/kg	
1912-24-9	Atrazine	ND	0.075	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	0.288	0.038	0.0072	mg/kg	
50-32-8	Benzo(a)pyrene	0.273	0.038	0.0080	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.343	0.038	0.0077	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.177	0.038	0.011	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.125	0.038	0.0084	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.075	0.0086	mg/kg	
85-68-7	Butyl benzyl phthalate	0.0389	0.075	0.020	mg/kg	J
92-52-4	1,1'-Biphenyl	ND	0.075	0.0069	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0094	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.075	0.0054	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.010	mg/kg	
86-74-8	Carbazole	0.0223	0.075	0.0042	mg/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (0'-2')		
Lab Sample ID:	JC7112-5	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	87.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.075	0.024	mg/kg	
218-01-9	Chrysene	0.268	0.038	0.0060	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.075	0.0085	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.075	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.075	0.0086	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.075	0.0071	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.038	0.0071	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.038	0.0097	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.075	0.025	mg/kg	
123-91-1	1,4-Dioxane	ND	0.038	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0536	0.038	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.075	0.0052	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.075	0.0044	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.075	0.0051	mg/kg	
84-66-2	Diethyl phthalate	ND	0.075	0.0048	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.075	0.0054	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0671	0.075	0.013	mg/kg	J
206-44-0	Fluoranthene	0.487	0.038	0.0046	mg/kg	
86-73-7	Fluorene	0.0199	0.038	0.0045	mg/kg	J
118-74-1	Hexachlorobenzene	ND	0.075	0.0074	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.038	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.38	0.060	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.186	0.038	0.019	mg/kg	
78-59-1	Isophorone	ND	0.075	0.0070	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.075	0.0070	mg/kg	
88-74-4	2-Nitroaniline	ND	0.19	0.0085	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.013	mg/kg	
91-20-3	Naphthalene	ND	0.038	0.0060	mg/kg	
98-95-3	Nitrobenzene	ND	0.075	0.012	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.075	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.020	mg/kg	
85-01-8	Phenanthrene	0.242	0.038	0.0042	mg/kg	
129-00-0	Pyrene	0.449	0.038	0.0047	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.19	0.0090	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		30-106%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (0'-2')		
Lab Sample ID:	JC7112-5	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	87.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	73%		30-106%
118-79-6	2,4,6-Tribromophenol	70%		24-140%
4165-60-0	Nitrobenzene-d5	70%		26-122%
321-60-8	2-Fluorobiphenyl	68%		36-112%
1718-51-0	Terphenyl-d14	67%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (0'-2')		
Lab Sample ID:	JC7112-5	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	87.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28693.D	1	11/02/15	YD	10/28/15	OP88468	G6G843
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00075	0.00067	mg/kg	
319-84-6	alpha-BHC	ND	0.00075	0.00050	mg/kg	
319-85-7	beta-BHC	ND	0.00075	0.00046	mg/kg	
319-86-8	delta-BHC	ND	0.00075	0.00030	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00075	0.00034	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0131	0.00075	0.00040	mg/kg	
5103-74-2	gamma-Chlordane [a]	0.010	0.00075	0.00057	mg/kg	
60-57-1	Dieldrin	0.0092	0.00075	0.00059	mg/kg	
72-54-8	4,4'-DDD	ND	0.00075	0.00028	mg/kg	
72-55-9	4,4'-DDE	ND	0.00075	0.00025	mg/kg	
50-29-3	4,4'-DDT [a]	0.0049	0.00075	0.00029	mg/kg	
72-20-8	Endrin	ND	0.00075	0.00027	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00075	0.00043	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00075	0.00056	mg/kg	
959-98-8	Endosulfan-I	ND	0.00075	0.00025	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00075	0.00071	mg/kg	
76-44-8	Heptachlor	ND	0.00075	0.00062	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00075	0.00031	mg/kg	
72-43-5	Methoxychlor	ND	0.0015	0.00042	mg/kg	
53494-70-5	Endrin ketone	ND	0.00075	0.00039	mg/kg	
8001-35-2	Toxaphene	ND	0.019	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		24-136%
877-09-8	Tetrachloro-m-xylene	76%		24-136%
2051-24-3	Decachlorobiphenyl	40%		10-153%
2051-24-3	Decachlorobiphenyl	65%		10-153%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (0'-2')		
Lab Sample ID:	JC7112-5	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	87.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121694.D	1	10/29/15	DG	10/28/15	OP88467	G2G3506
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.038	0.012	mg/kg	
11104-28-2	Aroclor 1221	ND	0.038	0.022	mg/kg	
11141-16-5	Aroclor 1232	ND	0.038	0.012	mg/kg	
53469-21-9	Aroclor 1242	ND	0.038	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.038	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.038	0.017	mg/kg	
11096-82-5	Aroclor 1260	ND	0.038	0.016	mg/kg	
11100-14-4	Aroclor 1268	ND	0.038	0.012	mg/kg	
37324-23-5	Aroclor 1262	ND	0.038	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		20-152%
877-09-8	Tetrachloro-m-xylene	90%		20-152%
2051-24-3	Decachlorobiphenyl	52%		12-157%
2051-24-3	Decachlorobiphenyl	90%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (0'-2')		
Lab Sample ID:	JC7112-5	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
		Percent Solids:	87.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10200	57	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Arsenic	6.1	2.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Barium	113	23	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.30	0.23	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cadmium	1.1	0.57	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Calcium	17500	570	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Chromium	23.8	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 5.7	5.7	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Copper	40.3	2.9	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Iron	19500	57	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Lead	267	2.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Magnesium	7380	570	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Manganese	168	1.7	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.27	0.034	mg/kg	1	10/29/15	10/29/15	FP	SW846 7471B [1]	SW846 7471B [5]
Nickel	23.5	4.6	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Potassium	1110	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Silver	0.79	0.57	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Vanadium	35.5	5.7	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Zinc	184	5.7	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA37893
(2) Instrument QC Batch: MA37898
(3) Instrument QC Batch: MA37931
(4) Prep QC Batch: MP89906
(5) Prep QC Batch: MP89944

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-4 (12'-14')		
Lab Sample ID:	JC7112-6	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V156983.D	1	10/30/15	PR	10/28/15 09:00	n/a	VV6635
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.0086	0.0019	mg/kg	
71-43-2	Benzene	ND	0.00043	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0043	0.00027	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0017	0.00013	mg/kg	
75-25-2	Bromoform	ND	0.0043	0.00020	mg/kg	
74-83-9	Bromomethane	ND	0.0043	0.00031	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0086	0.0016	mg/kg	
75-15-0	Carbon disulfide	ND	0.0017	0.00020	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0017	0.00020	mg/kg	
108-90-7	Chlorobenzene	ND	0.0017	0.00013	mg/kg	
75-00-3	Chloroethane	ND	0.0043	0.00041	mg/kg	
67-66-3	Chloroform	ND	0.0017	0.00013	mg/kg	
74-87-3	Chloromethane	ND	0.0043	0.00023	mg/kg	
110-82-7	Cyclohexane	ND	0.0017	0.00027	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0017	0.00047	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0017	0.00018	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00086	0.00011	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00086	0.00011	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00086	0.00014	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00086	0.00019	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0043	0.00031	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00086	0.00012	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00086	0.00012	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00086	0.00051	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00086	0.00067	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00086	0.00051	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0017	0.00021	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0017	0.00010	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0017	0.00015	mg/kg	
100-41-4	Ethylbenzene	ND	0.00086	0.00014	mg/kg	
76-13-1	Freon 113	ND	0.0043	0.00039	mg/kg	
591-78-6	2-Hexanone	ND	0.0043	0.0012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (12'-14')		
Lab Sample ID:	JC7112-6	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	93.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0017	0.000091	mg/kg	
79-20-9	Methyl Acetate	ND	0.0043	0.00074	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0017	0.00020	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00086	0.00013	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0043	0.00040	mg/kg	
75-09-2	Methylene chloride	ND	0.0043	0.00085	mg/kg	
100-42-5	Styrene	ND	0.0017	0.00015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0017	0.00015	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0017	0.00026	mg/kg	
108-88-3	Toluene	ND	0.00086	0.00018	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0043	0.00015	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0043	0.00015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0017	0.00013	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0017	0.00013	mg/kg	
79-01-6	Trichloroethene	ND	0.00086	0.00013	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0043	0.00021	mg/kg	
75-01-4	Vinyl chloride	ND	0.0017	0.00017	mg/kg	
	m,p-Xylene	ND	0.00086	0.00030	mg/kg	
95-47-6	o-Xylene	ND	0.00086	0.00024	mg/kg	
1330-20-7	Xylene (total)	ND	0.00086	0.00024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-122%
17060-07-0	1,2-Dichloroethane-D4	98%		68-124%
2037-26-5	Toluene-D8	100%		77-125%
460-00-4	4-Bromofluorobenzene	98%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (12'-14')		
Lab Sample ID:	JC7112-6	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22605.D	1	10/29/15	SD	10/28/15	OP88465	E5P1157
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.069	0.026	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.031	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.028	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.17	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.17	0.066	mg/kg	
95-48-7	2-Methylphenol	ND	0.069	0.050	mg/kg	
	3&4-Methylphenol	ND	0.069	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.17	0.032	mg/kg	
100-02-7	4-Nitrophenol	ND	0.35	0.059	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.085	mg/kg	
108-95-2	Phenol	ND	0.069	0.026	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.033	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.028	mg/kg	
83-32-9	Acenaphthene	ND	0.035	0.033	mg/kg	
208-96-8	Acenaphthylene	ND	0.035	0.0036	mg/kg	
98-86-2	Acetophenone	ND	0.17	0.0059	mg/kg	
120-12-7	Anthracene	ND	0.035	0.0030	mg/kg	
1912-24-9	Atrazine	ND	0.069	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.035	0.0067	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.035	0.0074	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.035	0.0071	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.035	0.010	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.035	0.0077	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.069	0.0079	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.069	0.019	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.069	0.0064	mg/kg	
100-52-7	Benzaldehyde	ND	0.17	0.0087	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.069	0.0050	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.0092	mg/kg	
86-74-8	Carbazole	ND	0.069	0.0039	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (12'-14')		
Lab Sample ID:	JC7112-6	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.069	0.022	mg/kg	
218-01-9	Chrysene	ND	0.035	0.0056	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.069	0.0079	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.069	0.014	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.069	0.0079	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.069	0.0065	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.035	0.0065	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.035	0.0089	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.069	0.023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.035	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.035	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.069	0.0048	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.069	0.0041	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.069	0.0047	mg/kg	
84-66-2	Diethyl phthalate	ND	0.069	0.0044	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.069	0.0050	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.069	0.012	mg/kg	
206-44-0	Fluoranthene	ND	0.035	0.0042	mg/kg	
86-73-7	Fluorene	ND	0.035	0.0041	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.069	0.0068	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.035	0.0092	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.35	0.055	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.035	0.018	mg/kg	
78-59-1	Isophorone	ND	0.069	0.0065	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.069	0.0065	mg/kg	
88-74-4	2-Nitroaniline	ND	0.17	0.0079	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.0099	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.012	mg/kg	
91-20-3	Naphthalene	ND	0.035	0.0056	mg/kg	
98-95-3	Nitrobenzene	ND	0.069	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.069	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.018	mg/kg	
85-01-8	Phenanthrene	ND	0.035	0.0039	mg/kg	
129-00-0	Pyrene	ND	0.035	0.0043	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.17	0.0083	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	84%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (12'-14')		
Lab Sample ID:	JC7112-6	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	81%		30-106%
118-79-6	2,4,6-Tribromophenol	87%		24-140%
4165-60-0	Nitrobenzene-d5	82%		26-122%
321-60-8	2-Fluorobiphenyl	79%		36-112%
1718-51-0	Terphenyl-d14	84%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (12'-14')		
Lab Sample ID:	JC7112-6	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	93.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28694.D	1	11/02/15	YD	10/28/15	OP88468	G6G843
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00071	0.00063	mg/kg	
319-84-6	alpha-BHC	ND	0.00071	0.00047	mg/kg	
319-85-7	beta-BHC	ND	0.00071	0.00044	mg/kg	
319-86-8	delta-BHC	ND	0.00071	0.00028	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00071	0.00032	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00071	0.00038	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00071	0.00054	mg/kg	
60-57-1	Dieldrin	ND	0.00071	0.00055	mg/kg	
72-54-8	4,4'-DDD	ND	0.00071	0.00026	mg/kg	
72-55-9	4,4'-DDE	ND	0.00071	0.00024	mg/kg	
50-29-3	4,4'-DDT	ND	0.00071	0.00027	mg/kg	
72-20-8	Endrin	ND	0.00071	0.00025	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00071	0.00040	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00071	0.00053	mg/kg	
959-98-8	Endosulfan-I	ND	0.00071	0.00023	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00071	0.00067	mg/kg	
76-44-8	Heptachlor	ND	0.00071	0.00058	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00071	0.00029	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00039	mg/kg	
53494-70-5	Endrin ketone	ND	0.00071	0.00037	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		24-136%
877-09-8	Tetrachloro-m-xylene	69%		24-136%
2051-24-3	Decachlorobiphenyl	48%		10-153%
2051-24-3	Decachlorobiphenyl	76%		10-153%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (12'-14')		
Lab Sample ID:	JC7112-6	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	93.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121695.D	1	10/29/15	DG	10/28/15	OP88467	G2G3506
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.035	0.011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.035	0.021	mg/kg	
11141-16-5	Aroclor 1232	ND	0.035	0.012	mg/kg	
53469-21-9	Aroclor 1242	ND	0.035	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.035	0.011	mg/kg	
11097-69-1	Aroclor 1254	ND	0.035	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.035	0.015	mg/kg	
11100-14-4	Aroclor 1268	ND	0.035	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.035	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		20-152%
877-09-8	Tetrachloro-m-xylene	102%		20-152%
2051-24-3	Decachlorobiphenyl	50%		12-157%
2051-24-3	Decachlorobiphenyl	71%		12-157%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (12'-14')		
Lab Sample ID:	JC7112-6	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
		Percent Solids:	93.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5110	52	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 2.1	2.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Arsenic	< 2.1	2.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Barium	28.3	21	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.32	0.21	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.52	0.52	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Calcium	1210	520	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Chromium	13.4	1.0	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 5.2	5.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Copper	12.6	2.6	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Iron	16000	52	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Lead	3.9	2.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Magnesium	1700	520	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Manganese	198	1.6	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.038	0.033	mg/kg	1	10/29/15	10/29/15	FP	SW846 7471B [1]	SW846 7471B [5]
Nickel	9.0	4.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 1000	1000	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 2.1	2.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.52	0.52	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Vanadium	21.1	5.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Zinc	18.1	5.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA37893
(2) Instrument QC Batch: MA37898
(3) Instrument QC Batch: MA37931
(4) Prep QC Batch: MP89906
(5) Prep QC Batch: MP89944

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-401 (12'-14')		
Lab Sample ID:	JC7112-7	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	95.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V156984.D	1	10/30/15	PR	10/28/15 09:00	n/a	VV6635
Run #2							

	Initial Weight
Run #1	5.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.0089	0.0020	mg/kg	
71-43-2	Benzene	ND	0.00044	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0044	0.00027	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0018	0.00014	mg/kg	
75-25-2	Bromoform	ND	0.0044	0.00021	mg/kg	
74-83-9	Bromomethane	ND	0.0044	0.00032	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0089	0.0017	mg/kg	
75-15-0	Carbon disulfide	ND	0.0018	0.00020	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0018	0.00020	mg/kg	
108-90-7	Chlorobenzene	ND	0.0018	0.00014	mg/kg	
75-00-3	Chloroethane	ND	0.0044	0.00043	mg/kg	
67-66-3	Chloroform	ND	0.0018	0.00013	mg/kg	
74-87-3	Chloromethane	ND	0.0044	0.00023	mg/kg	
110-82-7	Cyclohexane	ND	0.0018	0.00028	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0018	0.00048	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0018	0.00018	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00089	0.00012	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00089	0.00011	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00089	0.00014	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00089	0.00020	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0044	0.00032	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00089	0.00012	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00089	0.00012	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00089	0.00052	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00089	0.00069	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00089	0.00053	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0018	0.00021	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0018	0.00010	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0018	0.00016	mg/kg	
100-41-4	Ethylbenzene	ND	0.00089	0.00014	mg/kg	
76-13-1	Freon 113	ND	0.0044	0.00040	mg/kg	
591-78-6	2-Hexanone	ND	0.0044	0.0012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-401 (12'-14')		
Lab Sample ID:	JC7112-7	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	95.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0018	0.000094	mg/kg	
79-20-9	Methyl Acetate	ND	0.0044	0.00076	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0018	0.00020	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00089	0.00014	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0044	0.00041	mg/kg	
75-09-2	Methylene chloride	ND	0.0044	0.00087	mg/kg	
100-42-5	Styrene	ND	0.0018	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0018	0.00015	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0018	0.00027	mg/kg	
108-88-3	Toluene	ND	0.00089	0.00018	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0044	0.00016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0044	0.00015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0018	0.00013	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0018	0.00013	mg/kg	
79-01-6	Trichloroethene	ND	0.00089	0.00013	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0044	0.00022	mg/kg	
75-01-4	Vinyl chloride	ND	0.0018	0.00017	mg/kg	
	m,p-Xylene	ND	0.00089	0.00031	mg/kg	
95-47-6	o-Xylene	ND	0.00089	0.00024	mg/kg	
1330-20-7	Xylene (total)	ND	0.00089	0.00024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-122%
17060-07-0	1,2-Dichloroethane-D4	100%		68-124%
2037-26-5	Toluene-D8	100%		77-125%
460-00-4	4-Bromofluorobenzene	98%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-401 (12'-14')		
Lab Sample ID:	JC7112-7	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22606.D	1	10/29/15	SD	10/28/15	OP88465	E5P1157
Run #2							

	Initial Weight	Final Volume
Run #1	31.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.066	0.024	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.16	0.030	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.16	0.026	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.16	0.060	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.16	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.16	0.062	mg/kg	
95-48-7	2-Methylphenol	ND	0.066	0.048	mg/kg	
	3&4-Methylphenol	ND	0.066	0.031	mg/kg	
88-75-5	2-Nitrophenol	ND	0.16	0.030	mg/kg	
100-02-7	4-Nitrophenol	ND	0.33	0.056	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.080	mg/kg	
108-95-2	Phenol	ND	0.066	0.025	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.16	0.031	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.16	0.030	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.16	0.026	mg/kg	
83-32-9	Acenaphthene	ND	0.033	0.031	mg/kg	
208-96-8	Acenaphthylene	ND	0.033	0.0035	mg/kg	
98-86-2	Acetophenone	ND	0.16	0.0056	mg/kg	
120-12-7	Anthracene	ND	0.033	0.0028	mg/kg	
1912-24-9	Atrazine	ND	0.066	0.013	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.033	0.0063	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.033	0.0070	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.033	0.0068	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.033	0.0099	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.033	0.0073	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.066	0.0075	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.066	0.018	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.066	0.0061	mg/kg	
100-52-7	Benzaldehyde	ND	0.16	0.0082	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.066	0.0047	mg/kg	
106-47-8	4-Chloroaniline	ND	0.16	0.0087	mg/kg	
86-74-8	Carbazole	ND	0.066	0.0036	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-401 (12'-14')		
Lab Sample ID:	JC7112-7	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.066	0.021	mg/kg	
218-01-9	Chrysene	ND	0.033	0.0053	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.066	0.0075	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.066	0.014	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.066	0.0075	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.066	0.0062	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.033	0.0062	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.033	0.0085	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.066	0.021	mg/kg	
123-91-1	1,4-Dioxane	ND	0.033	0.022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.033	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.066	0.0046	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.066	0.0039	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.066	0.0044	mg/kg	
84-66-2	Diethyl phthalate	ND	0.066	0.0042	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.066	0.0047	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.066	0.011	mg/kg	
206-44-0	Fluoranthene	ND	0.033	0.0040	mg/kg	
86-73-7	Fluorene	ND	0.033	0.0039	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.066	0.0065	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.033	0.0087	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.33	0.052	mg/kg	
67-72-1	Hexachloroethane	ND	0.16	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.033	0.017	mg/kg	
78-59-1	Isophorone	ND	0.066	0.0061	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.066	0.0061	mg/kg	
88-74-4	2-Nitroaniline	ND	0.16	0.0075	mg/kg	
99-09-2	3-Nitroaniline	ND	0.16	0.0093	mg/kg	
100-01-6	4-Nitroaniline	ND	0.16	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.033	0.0053	mg/kg	
98-95-3	Nitrobenzene	ND	0.066	0.010	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.066	0.0098	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.16	0.017	mg/kg	
85-01-8	Phenanthrene	ND	0.033	0.0036	mg/kg	
129-00-0	Pyrene	ND	0.033	0.0041	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.16	0.0079	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	83%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-401 (12'-14')		
Lab Sample ID:	JC7112-7	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	80%		30-106%
118-79-6	2,4,6-Tribromophenol	84%		24-140%
4165-60-0	Nitrobenzene-d5	79%		26-122%
321-60-8	2-Fluorobiphenyl	77%		36-112%
1718-51-0	Terphenyl-d14	82%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-401 (12'-14')		
Lab Sample ID:	JC7112-7	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	95.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28695.D	1	11/02/15	YD	10/28/15	OP88468	G6G843
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00068	0.00061	mg/kg	
319-84-6	alpha-BHC	ND	0.00068	0.00046	mg/kg	
319-85-7	beta-BHC	ND	0.00068	0.00042	mg/kg	
319-86-8	delta-BHC	ND	0.00068	0.00027	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00068	0.00031	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00068	0.00036	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00068	0.00052	mg/kg	
60-57-1	Dieldrin	ND	0.00068	0.00053	mg/kg	
72-54-8	4,4'-DDD	ND	0.00068	0.00025	mg/kg	
72-55-9	4,4'-DDE	ND	0.00068	0.00023	mg/kg	
50-29-3	4,4'-DDT	ND	0.00068	0.00026	mg/kg	
72-20-8	Endrin	ND	0.00068	0.00024	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00068	0.00039	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00068	0.00051	mg/kg	
959-98-8	Endosulfan-I	ND	0.00068	0.00022	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00068	0.00065	mg/kg	
76-44-8	Heptachlor	ND	0.00068	0.00056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00068	0.00028	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00038	mg/kg	
53494-70-5	Endrin ketone	ND	0.00068	0.00036	mg/kg	
8001-35-2	Toxaphene	ND	0.017	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		24-136%
877-09-8	Tetrachloro-m-xylene	68%		24-136%
2051-24-3	Decachlorobiphenyl	46%		10-153%
2051-24-3	Decachlorobiphenyl	49%		10-153%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-401 (12'-14')		
Lab Sample ID:	JC7112-7	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121696.D	1	10/29/15	DG	10/28/15	OP88467	G2G3506
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.034	0.011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.034	0.020	mg/kg	
11141-16-5	Aroclor 1232	ND	0.034	0.011	mg/kg	
53469-21-9	Aroclor 1242	ND	0.034	0.015	mg/kg	
12672-29-6	Aroclor 1248	ND	0.034	0.010	mg/kg	
11097-69-1	Aroclor 1254	ND	0.034	0.015	mg/kg	
11096-82-5	Aroclor 1260	ND	0.034	0.014	mg/kg	
11100-14-4	Aroclor 1268	ND	0.034	0.011	mg/kg	
37324-23-5	Aroclor 1262	ND	0.034	0.0096	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		20-152%
877-09-8	Tetrachloro-m-xylene	95%		20-152%
2051-24-3	Decachlorobiphenyl	59%		12-157%
2051-24-3	Decachlorobiphenyl	79%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-401 (12'-14')		
Lab Sample ID:	JC7112-7	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
		Percent Solids:	95.7
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5780	53	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 2.1	2.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Arsenic	< 2.1	2.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Barium	40.0	21	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.31	0.21	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.53	0.53	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Calcium	1680	530	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Chromium	12.4	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 5.3	5.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Copper	13.6	2.6	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Iron	11900	53	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Lead	3.8	2.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Magnesium	1860	530	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Manganese	162	1.6	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Mercury	< 0.030	0.030	mg/kg	1	10/29/15	10/29/15	FP	SW846 7471B [1]	SW846 7471B [5]
Nickel	10	4.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 2.1	2.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.53	0.53	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Vanadium	22.9	5.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Zinc	19.3	5.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA37893
(2) Instrument QC Batch: MA37898
(3) Instrument QC Batch: MA37931
(4) Prep QC Batch: MP89906
(5) Prep QC Batch: MP89944

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-7 (0'-2')		
Lab Sample ID:	JC7112-8	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	95.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V156985.D	1	10/30/15	PR	10/28/15 09:00	n/a	VV6635
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0191	0.0090	0.0020	mg/kg	
71-43-2	Benzene	0.0015	0.00045	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0045	0.00028	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0018	0.00014	mg/kg	
75-25-2	Bromoform	ND	0.0045	0.00021	mg/kg	
74-83-9	Bromomethane	ND	0.0045	0.00033	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0090	0.0017	mg/kg	
75-15-0	Carbon disulfide	ND	0.0018	0.00021	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0018	0.00021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0018	0.00014	mg/kg	
75-00-3	Chloroethane	ND	0.0045	0.00043	mg/kg	
67-66-3	Chloroform	ND	0.0018	0.00013	mg/kg	
74-87-3	Chloromethane	ND	0.0045	0.00024	mg/kg	
110-82-7	Cyclohexane	ND	0.0018	0.00028	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0018	0.00049	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0018	0.00018	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00090	0.00012	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00090	0.00011	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00090	0.00014	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00090	0.00020	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0045	0.00032	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00090	0.00013	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00090	0.00012	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00090	0.00053	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00090	0.00070	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00090	0.00053	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0018	0.00021	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0018	0.00011	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0018	0.00016	mg/kg	
100-41-4	Ethylbenzene	ND	0.00090	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0045	0.00040	mg/kg	
591-78-6	2-Hexanone	ND	0.0045	0.0012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (0'-2')		
Lab Sample ID:	JC7112-8	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	95.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0018	0.000095	mg/kg	
79-20-9	Methyl Acetate	ND	0.0045	0.00077	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0018	0.00020	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00090	0.00014	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0045	0.00041	mg/kg	
75-09-2	Methylene chloride	ND	0.0045	0.00088	mg/kg	
100-42-5	Styrene	ND	0.0018	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0018	0.00016	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0018	0.00027	mg/kg	
108-88-3	Toluene	ND	0.00090	0.00019	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0045	0.00016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0045	0.00015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0018	0.00013	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0018	0.00013	mg/kg	
79-01-6	Trichloroethene	ND	0.00090	0.00013	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0045	0.00022	mg/kg	
75-01-4	Vinyl chloride	ND	0.0018	0.00018	mg/kg	
	m,p-Xylene	ND	0.00090	0.00032	mg/kg	
95-47-6	o-Xylene	ND	0.00090	0.00025	mg/kg	
1330-20-7	Xylene (total)	ND	0.00090	0.00025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-122%
17060-07-0	1,2-Dichloroethane-D4	102%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	97%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (0'-2')		
Lab Sample ID:	JC7112-8	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22637.D	1	10/29/15	AN	10/28/15	OP88465	E5P1158
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.069	0.026	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.031	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.028	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.17	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.17	0.066	mg/kg	
95-48-7	2-Methylphenol	ND	0.069	0.050	mg/kg	
	3&4-Methylphenol	ND	0.069	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.17	0.032	mg/kg	
100-02-7	4-Nitrophenol	ND	0.35	0.059	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.085	mg/kg	
108-95-2	Phenol	ND	0.069	0.026	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.033	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.028	mg/kg	
83-32-9	Acenaphthene	0.0838	0.035	0.033	mg/kg	
208-96-8	Acenaphthylene	0.122	0.035	0.0036	mg/kg	
98-86-2	Acetophenone	ND	0.17	0.0059	mg/kg	
120-12-7	Anthracene	0.363	0.035	0.0030	mg/kg	
1912-24-9	Atrazine	ND	0.069	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	1.15	0.035	0.0067	mg/kg	
50-32-8	Benzo(a)pyrene	1.08	0.035	0.0074	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.39	0.035	0.0071	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.765	0.035	0.010	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.442	0.035	0.0077	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.069	0.0079	mg/kg	
85-68-7	Butyl benzyl phthalate	0.274	0.069	0.019	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.069	0.0064	mg/kg	
100-52-7	Benzaldehyde	ND	0.17	0.0087	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.069	0.0050	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.0092	mg/kg	
86-74-8	Carbazole	0.131	0.069	0.0038	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (0'-2')		
Lab Sample ID:	JC7112-8	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.069	0.022	mg/kg	
218-01-9	Chrysene	1.15	0.035	0.0056	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.069	0.0079	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.069	0.014	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.069	0.0079	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.069	0.0065	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.035	0.0065	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.035	0.0089	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.069	0.023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.035	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.202	0.035	0.012	mg/kg	
132-64-9	Dibenzofuran	0.0477	0.069	0.0048	mg/kg	J
84-74-2	Di-n-butyl phthalate	0.228	0.069	0.0041	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.069	0.0047	mg/kg	
84-66-2	Diethyl phthalate	ND	0.069	0.0044	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.069	0.0050	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.577	0.069	0.012	mg/kg	
206-44-0	Fluoranthene	2.14	0.035	0.0042	mg/kg	
86-73-7	Fluorene	0.0972	0.035	0.0041	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.069	0.0068	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.035	0.0092	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.35	0.055	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.817	0.035	0.018	mg/kg	
78-59-1	Isophorone	ND	0.069	0.0065	mg/kg	
91-57-6	2-Methylnaphthalene	0.0235	0.069	0.0065	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.17	0.0079	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.0098	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.012	mg/kg	
91-20-3	Naphthalene	0.0352	0.035	0.0055	mg/kg	
98-95-3	Nitrobenzene	ND	0.069	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.069	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.018	mg/kg	
85-01-8	Phenanthrene	1.31	0.035	0.0038	mg/kg	
129-00-0	Pyrene	2.01	0.035	0.0043	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.17	0.0083	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	81%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (0'-2')		
Lab Sample ID:	JC7112-8	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	95.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	81%		30-106%
118-79-6	2,4,6-Tribromophenol	77%		24-140%
4165-60-0	Nitrobenzene-d5	79%		26-122%
321-60-8	2-Fluorobiphenyl	76%		36-112%
1718-51-0	Terphenyl-d14	78%		36-132%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (0'-2')		
Lab Sample ID:	JC7112-8	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	95.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28696.D	1	11/02/15	YD	10/28/15	OP88468	G6G843
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00066	0.00059	mg/kg	
319-84-6	alpha-BHC [a]	0.00069	0.00066	0.00044	mg/kg	
319-85-7	beta-BHC	ND	0.00066	0.00041	mg/kg	
319-86-8	delta-BHC [a]	0.00094	0.00066	0.00026	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00066	0.00030	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0113	0.00066	0.00035	mg/kg	
5103-74-2	gamma-Chlordane [a]	0.0069	0.00066	0.00051	mg/kg	
60-57-1	Dieldrin [a]	0.0076	0.00066	0.00052	mg/kg	
72-54-8	4,4'-DDD	0.0038	0.00066	0.00025	mg/kg	
72-55-9	4,4'-DDE [a]	0.0016	0.00066	0.00022	mg/kg	
50-29-3	4,4'-DDT	0.0369	0.00066	0.00025	mg/kg	
72-20-8	Endrin	ND	0.00066	0.00023	mg/kg	
1031-07-8	Endosulfan sulfate [a]	0.0013	0.00066	0.00038	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00066	0.00049	mg/kg	
959-98-8	Endosulfan-I	ND	0.00066	0.00022	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00066	0.00063	mg/kg	
76-44-8	Heptachlor	ND	0.00066	0.00055	mg/kg	
1024-57-3	Heptachlor epoxide [a]	0.0037	0.00066	0.00027	mg/kg	
72-43-5	Methoxychlor	ND	0.0013	0.00037	mg/kg	
53494-70-5	Endrin ketone	ND	0.00066	0.00035	mg/kg	
8001-35-2	Toxaphene	ND	0.017	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		24-136%
877-09-8	Tetrachloro-m-xylene	71%		24-136%
2051-24-3	Decachlorobiphenyl	59%		10-153%
2051-24-3	Decachlorobiphenyl	106%		10-153%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (0'-2')		
Lab Sample ID:	JC7112-8	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121697.D	1	10/29/15	DG	10/28/15	OP88467	G2G3506
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.033	0.011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.033	0.020	mg/kg	
11141-16-5	Aroclor 1232	ND	0.033	0.011	mg/kg	
53469-21-9	Aroclor 1242	ND	0.033	0.015	mg/kg	
12672-29-6	Aroclor 1248	ND	0.033	0.010	mg/kg	
11097-69-1	Aroclor 1254	0.269	0.033	0.015	mg/kg	
11096-82-5	Aroclor 1260	0.227	0.033	0.014	mg/kg	
11100-14-4	Aroclor 1268	ND	0.033	0.010	mg/kg	
37324-23-5	Aroclor 1262	ND	0.033	0.0094	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		20-152%
877-09-8	Tetrachloro-m-xylene	91%		20-152%
2051-24-3	Decachlorobiphenyl	73%		12-157%
2051-24-3	Decachlorobiphenyl	152%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (0'-2')		
Lab Sample ID:	JC7112-8	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
		Percent Solids:	95.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5850	54	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Antimony	< 2.2	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Arsenic	5.5	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Barium	62.3	22	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Beryllium	0.23	0.22	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Cadmium	< 0.54	0.54	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Calcium	41600	1100	mg/kg	2	10/28/15	10/31/15	GT	SW846 6010C [3]	SW846 3050B [5]
Chromium	14.4	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Cobalt	< 5.4	5.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Copper	27.1	2.7	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [4]	SW846 3050B [5]
Iron	10300	54	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Lead	100	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Magnesium	11600	540	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Manganese	180	1.6	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Mercury	0.11	0.034	mg/kg	1	10/29/15	10/29/15	FP	SW846 7471B [1]	SW846 7471B [6]
Nickel	11.7	4.3	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Potassium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Selenium	< 2.2	2.2	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Silver	< 0.54	0.54	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [4]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Vanadium	29.9	5.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]
Zinc	80.8	5.4	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA37893
(2) Instrument QC Batch: MA37898
(3) Instrument QC Batch: MA37912
(4) Instrument QC Batch: MA37931
(5) Prep QC Batch: MP89906
(6) Prep QC Batch: MP89944

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-7 (12'-14')		
Lab Sample ID:	JC7112-9	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	99.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V156986.D	1	10/30/15	PR	10/28/15 09:00	n/a	VV6635
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0061	0.010	0.0023	mg/kg	J
71-43-2	Benzene	ND	0.00052	0.00014	mg/kg	
74-97-5	Bromochloromethane	ND	0.0052	0.00032	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	0.00016	mg/kg	
75-25-2	Bromoform	ND	0.0052	0.00025	mg/kg	
74-83-9	Bromomethane	ND	0.0052	0.00038	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0020	mg/kg	
75-15-0	Carbon disulfide	ND	0.0021	0.00024	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	0.00024	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0052	0.00050	mg/kg	
67-66-3	Chloroform	ND	0.0021	0.00016	mg/kg	
74-87-3	Chloromethane	ND	0.0052	0.00027	mg/kg	
110-82-7	Cyclohexane	ND	0.0021	0.00033	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0021	0.00057	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0021	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00014	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00013	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00016	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00024	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0052	0.00038	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00015	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00014	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00062	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00082	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00062	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0021	0.00025	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	0.00012	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	0.00019	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0052	0.00047	mg/kg	
591-78-6	2-Hexanone	ND	0.0052	0.0014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (12'-14')		
Lab Sample ID:	JC7112-9	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	99.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0021	0.00011	mg/kg	
79-20-9	Methyl Acetate	ND	0.0052	0.00090	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0021	0.00024	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00016	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0052	0.00048	mg/kg	
75-09-2	Methylene chloride	ND	0.0052	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0021	0.00019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0021	0.00018	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0021	0.00032	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00022	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0052	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0052	0.00018	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	0.00016	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	0.00015	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00015	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0052	0.00026	mg/kg	
75-01-4	Vinyl chloride	ND	0.0021	0.00021	mg/kg	
	m,p-Xylene	ND	0.0010	0.00037	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00029	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-122%
17060-07-0	1,2-Dichloroethane-D4	100%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	100%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (12'-14')		
Lab Sample ID:	JC7112-9	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	99.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P22607.D	1	10/29/15	SD	10/28/15	OP88465	E5P1157
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.064	0.024	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.16	0.029	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.16	0.026	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.16	0.059	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.16	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.16	0.061	mg/kg	
95-48-7	2-Methylphenol	ND	0.064	0.046	mg/kg	
	3&4-Methylphenol	ND	0.064	0.031	mg/kg	
88-75-5	2-Nitrophenol	ND	0.16	0.030	mg/kg	
100-02-7	4-Nitrophenol	ND	0.32	0.054	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.078	mg/kg	
108-95-2	Phenol	ND	0.064	0.024	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.16	0.030	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.16	0.029	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.16	0.026	mg/kg	
83-32-9	Acenaphthene	ND	0.032	0.030	mg/kg	
208-96-8	Acenaphthylene	ND	0.032	0.0034	mg/kg	
98-86-2	Acetophenone	ND	0.16	0.0054	mg/kg	
120-12-7	Anthracene	ND	0.032	0.0028	mg/kg	
1912-24-9	Atrazine	ND	0.064	0.013	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.032	0.0062	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.032	0.0068	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.032	0.0066	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.032	0.0096	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.032	0.0071	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.064	0.0073	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.064	0.017	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.064	0.0059	mg/kg	
100-52-7	Benzaldehyde	ND	0.16	0.0080	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.064	0.0046	mg/kg	
106-47-8	4-Chloroaniline	ND	0.16	0.0085	mg/kg	
86-74-8	Carbazole	ND	0.064	0.0036	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (12'-14')		
Lab Sample ID:	JC7112-9	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	99.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.064	0.021	mg/kg	
218-01-9	Chrysene	ND	0.032	0.0052	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.064	0.0073	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.064	0.013	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.064	0.0073	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.064	0.0060	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.032	0.0060	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.032	0.0083	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.064	0.021	mg/kg	
123-91-1	1,4-Dioxane	ND	0.032	0.022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.032	0.011	mg/kg	
132-64-9	Dibenzofuran	ND	0.064	0.0045	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.064	0.0038	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.064	0.0043	mg/kg	
84-66-2	Diethyl phthalate	ND	0.064	0.0041	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.064	0.0046	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.064	0.011	mg/kg	
206-44-0	Fluoranthene	ND	0.032	0.0039	mg/kg	
86-73-7	Fluorene	ND	0.032	0.0038	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.064	0.0063	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.032	0.0085	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.32	0.051	mg/kg	
67-72-1	Hexachloroethane	ND	0.16	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.032	0.017	mg/kg	
78-59-1	Isophorone	ND	0.064	0.0060	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.064	0.0060	mg/kg	
88-74-4	2-Nitroaniline	ND	0.16	0.0073	mg/kg	
99-09-2	3-Nitroaniline	ND	0.16	0.0091	mg/kg	
100-01-6	4-Nitroaniline	ND	0.16	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.032	0.0051	mg/kg	
98-95-3	Nitrobenzene	ND	0.064	0.010	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.064	0.0095	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.16	0.017	mg/kg	
85-01-8	Phenanthrene	ND	0.032	0.0036	mg/kg	
129-00-0	Pyrene	ND	0.032	0.0040	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.16	0.0077	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	85%		30-106%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (12'-14')		
Lab Sample ID:	JC7112-9	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3546	**Percent Solids:**	99.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	85%		30-106%
118-79-6	2,4,6-Tribromophenol	80%		24-140%
4165-60-0	Nitrobenzene-d5	83%		26-122%
321-60-8	2-Fluorobiphenyl	81%		36-112%
1718-51-0	Terphenyl-d14	84%		36-132%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (12'-14')		
Lab Sample ID:	JC7112-9	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3546	**Percent Solids:**	99.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G28697.D	1	11/02/15	YD	10/28/15	OP88468	G6G843
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00066	0.00059	mg/kg	
319-84-6	alpha-BHC	ND	0.00066	0.00044	mg/kg	
319-85-7	beta-BHC	ND	0.00066	0.00041	mg/kg	
319-86-8	delta-BHC	ND	0.00066	0.00026	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00066	0.00030	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00066	0.00035	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00066	0.00050	mg/kg	
60-57-1	Dieldrin	ND	0.00066	0.00052	mg/kg	
72-54-8	4,4'-DDD	ND	0.00066	0.00024	mg/kg	
72-55-9	4,4'-DDE	ND	0.00066	0.00022	mg/kg	
50-29-3	4,4'-DDT	ND	0.00066	0.00025	mg/kg	
72-20-8	Endrin	ND	0.00066	0.00023	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00066	0.00038	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00066	0.00049	mg/kg	
959-98-8	Endosulfan-I	ND	0.00066	0.00022	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00066	0.00063	mg/kg	
76-44-8	Heptachlor	ND	0.00066	0.00054	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00066	0.00027	mg/kg	
72-43-5	Methoxychlor	ND	0.0013	0.00037	mg/kg	
53494-70-5	Endrin ketone	ND	0.00066	0.00035	mg/kg	
8001-35-2	Toxaphene	ND	0.017	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		24-136%
877-09-8	Tetrachloro-m-xylene	72%		24-136%
2051-24-3	Decachlorobiphenyl	52%		10-153%
2051-24-3	Decachlorobiphenyl	61%		10-153%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (12'-14')		
Lab Sample ID:	JC7112-9	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3546	**Percent Solids:**	99.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121698.D	1	10/29/15	DG	10/28/15	OP88467	G2G3506
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.033	0.011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.033	0.019	mg/kg	
11141-16-5	Aroclor 1232	ND	0.033	0.011	mg/kg	
53469-21-9	Aroclor 1242	ND	0.033	0.015	mg/kg	
12672-29-6	Aroclor 1248	ND	0.033	0.010	mg/kg	
11097-69-1	Aroclor 1254	ND	0.033	0.015	mg/kg	
11096-82-5	Aroclor 1260	ND	0.033	0.014	mg/kg	
11100-14-4	Aroclor 1268	ND	0.033	0.010	mg/kg	
37324-23-5	Aroclor 1262	ND	0.033	0.0093	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		20-152%
877-09-8	Tetrachloro-m-xylene	100%		20-152%
2051-24-3	Decachlorobiphenyl	57%		12-157%
2051-24-3	Decachlorobiphenyl	79%		12-157%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7 (12'-14')		
Lab Sample ID:	JC7112-9	**Date Sampled:**	10/26/15
Matrix:	SO - Soil	**Date Received:**	10/27/15
		Percent Solids:	99.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4220	51	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Antimony	< 2.0	2.0	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Arsenic	< 2.0	2.0	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Barium	< 20	20	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.25	0.20	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.51	0.51	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Calcium	910	510	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Chromium	9.1	1.0	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Cobalt	< 5.1	5.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Copper	6.8	2.5	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Iron	7640	51	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Lead	2.7	2.0	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Magnesium	1460	510	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Manganese	243	1.5	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Mercury	< 0.029	0.029	mg/kg	1	10/29/15	10/29/15	FP	SW846 7471B [1]	SW846 7471B [5]
Nickel	11.0	4.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Potassium	< 1000	1000	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.51	0.51	mg/kg	1	10/28/15	11/02/15	ND	SW846 6010C [3]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Vanadium	11.7	5.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]
Zinc	13.3	5.1	mg/kg	1	10/28/15	10/29/15	MS	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA37893
(2) Instrument QC Batch: MA37898
(3) Instrument QC Batch: MA37931
(4) Prep QC Batch: MP89906
(5) Prep QC Batch: MP89944

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC7112-10	**Date Sampled:**	10/26/15
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L277574.D	1	10/28/15	ST	n/a	n/a	VL7607
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.52	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC7112-10	**Date Sampled:**	10/26/15
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.9	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	100%		73-122%
2037-26-5	Toluene-D8	102%		84-119%
460-00-4	4-Bromofluorobenzene	99%		78-117%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC7112-10	**Date Sampled:**	10/26/15
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E77439.D	1	10/30/15	SW	10/29/15	OP88523	E3E3371
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.3	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.6	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	6.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.3	ug/l	
	3&4-Methylphenol	ND	2.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.91	ug/l	
87-86-5	Pentachlorophenol	ND	5.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.55	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.5	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.20	ug/l	
98-86-2	Acetophenone	ND	2.0	0.36	ug/l	
120-12-7	Anthracene	ND	1.0	0.19	ug/l	
1912-24-9	Atrazine	ND	2.0	0.42	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.67	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.31	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.25	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.22	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.27	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.34	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.30	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC7112-10	**Date Sampled:**	10/26/15
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.41	ug/l	
218-01-9	Chrysene	ND	1.0	0.16	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.42	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.43	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.32	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.26	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.56	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.72	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.28	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.58	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.23	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.26	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.55	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.16	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.46	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.39	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.48	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.29	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.40	ug/l	
78-59-1	Isophorone	ND	2.0	0.34	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.29	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.32	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.26	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.30	ug/l	
91-20-3	Naphthalene	ND	1.0	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.52	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.38	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.21	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.19	ug/l	
129-00-0	Pyrene	ND	1.0	0.19	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		14-88%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC7112-10	**Date Sampled:**	10/26/15
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/15
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-110%
118-79-6	2,4,6-Tribromophenol	78%		39-149%
4165-60-0	Nitrobenzene-d5	89%		32-128%
321-60-8	2-Fluorobiphenyl	77%		35-119%
1718-51-0	Terphenyl-d14	80%		10-126%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC7112-10	**Date Sampled:**	10/26/15
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/15
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G61954.D	1	11/02/15	YD	10/30/15	OP88528	G4G1625
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0042	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0065	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0086	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0064	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.0052	ug/l	
5103-71-9	alpha-Chlordane	ND	0.010	0.0061	ug/l	
5103-74-2	gamma-Chlordane	ND	0.010	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0050	ug/l	
72-54-8	4,4'-DDD	ND	0.010	0.0065	ug/l	
72-55-9	4,4'-DDE	ND	0.010	0.0061	ug/l	
50-29-3	4,4'-DDT	ND	0.010	0.0051	ug/l	
72-20-8	Endrin	ND	0.010	0.0045	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0073	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0073	ug/l	
53494-70-5	Endrin ketone	ND	0.010	0.0047	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0064	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0066	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0049	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0082	ug/l	
72-43-5	Methoxychlor	ND	0.020	0.0072	ug/l	
8001-35-2	Toxaphene	ND	0.25	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		26-132%
877-09-8	Tetrachloro-m-xylene	74%		26-132%
2051-24-3	Decachlorobiphenyl	78%		10-118%
2051-24-3	Decachlorobiphenyl	75%		10-118%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC7112-10	**Date Sampled:**	10/26/15
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/15
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G121798.D	1	10/31/15	CC	10/30/15	OP88529	G2G3508
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	5.0	2.0	ug/l	
11104-28-2	Aroclor 1221	ND	5.0	3.1	ug/l	
11141-16-5	Aroclor 1232	ND	5.0	2.6	ug/l	
53469-21-9	Aroclor 1242	ND	5.0	2.1	ug/l	
12672-29-6	Aroclor 1248	ND	5.0	2.5	ug/l	
11097-69-1	Aroclor 1254	ND	5.0	0.66	ug/l	
11096-82-5	Aroclor 1260	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		10-161%
877-09-8	Tetrachloro-m-xylene	96%		10-161%
2051-24-3	Decachlorobiphenyl	74%		10-137%
2051-24-3	Decachlorobiphenyl	86%		10-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC7112-10	**Date Sampled:**	10/26/15
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/15
		Percent Solids:	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Calcium	7950	5000	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Magnesium	18700	5000	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Manganese	62.6	15	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	10/28/15	10/28/15	MA	SW846 7470A [1]	SW846 7470A [3]
Nickel	< 10	10	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Potassium	14200	10000	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Sodium	17500	10000	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 2.0	2.0	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	10/29/15	11/01/15	GT	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA37885
(2) Instrument QC Batch: MA37923
(3) Prep QC Batch: MP89917
(4) Prep QC Batch: MP89934

RL = Reporting Limit

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

SW, FB

CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: JC7112

Client / Reporting Information

Company Name: EQUITY ENVIRONMENTAL ENGINEERING
Street Address: 500 INTERNATIONAL DRIVE
City / State / Zip: MT. OLIVE NJ 07828
Project Contact / E-mail: BOB JACKSON BOB.JACKSON@EQUITYENVIRONMENTAL.COM
Phone #: 973-527-7451 / 973-858-0280
Client Purchase Order #: 2014074
Sampler(s) Name(s) / Phone #: FARON MOSER 201-341-1323
Fax #:

Project Information

Project Name: PROCIDA SOUTH 5th STREET
Street: 105 SOUTH 5th St.
City / State: BROOKLYN NY
Project #: 2014074
Project Manager: BOB JACKSON

Billing Information (If different from Report to)

Company Name: SAME
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCL VOCs	SVOCs	Pesticides	PCBs	TAL Metals	LAB USE ONLY
1	SB-5 (0'-2')	•	10/26/15	1035	FM	SO	5					2			3	X	X	X	X	X	E42
2	SB-5 (12'-14)		10/26/15	1100	FM	SO	5					2			3	X	X	X	X	X	A1
3	SB-6 (0'-2')		10/26/15	1150	FM	SO	5					2			3	X	X	X	X	X	V618
4	SB-6 (12'-14')		10/26/15	1210	FM	SO	5					2			3	X	X	X	X	X	
5	SB-4 (0'-2')		10/26/15	1320	FM	SO	5					2			3	X	X	X	X	X	D19
6	SB-4 (12'-14')		10/26/15	1350	FM	SO	5					2			3	X	X	X	X	X	P62
7	SB-401 (12'-14')		10/26/15	1410	FM	SO	5					2			3	X	X	X	X	X	14K6
8	SB-7 (0'-2')		10/26/15	1450	FM	SO	5					2			3	X	X	X	X	X	40106
9	SB-7 (12'-14')	•	10/26/15	1500	FM	SO	5					2			3	X	X	X	X	X	
10	FB-1		10/26/15	1428	FM	FB	7	2		1		4				X	X	X	X	X	

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [x] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

• 3X 5 GRAM ENC RECD 10-27-15 AM

INITIAL ASESSMENT AM 2A

LABEL VERIFICATION AM

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	10/26/15 1800	1	2	10/27/15 0915	2
3	10/27/15 1105	3	4		4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # 32 [x] Intact [ ] Not intact	Preserved where applicable AM	On Ice ☒ Cooler Temp. 2.0°C-B

JC7112: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JC7112 **Client:** **Project:**

Date / Time Received: 10/27/2015 11:05:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (1.9);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Bar Therm	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
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Dayton, New Jersey
www/accutest.com

JC7112: Chain of Custody
Page 2 of 2

New Jersey
ACCUTEST LABORATORIES

12/30/15

Technical Report for

Equity Environmental Engineering

Procida, 105 South 5th Street, Brooklyn, NY

2015059

Accutest Job Number: JC10922

Sampling Date: 12/16/15

Report to:

Equity Environmental Engineering
500 International Drive Suite 150
Mount Olive, NJ 07828
bob.jackson@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **345**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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Accutest Laboratories

Sample Summary

Equity Environmental Engineering

Job No: JC10922

Procida, 105 South 5th Street, Brooklyn, NY
Project No: 2015059

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC10922-1	12/16/15	09:29	FU	12/17/15	SO	Soil	SB-10 (0'-2')
JC10922-2	12/16/15	09:55	FU	12/17/15	SO	Soil	SB-11 (0'-2')
JC10922-3	12/16/15	10:20	FU	12/17/15	SO	Soil	SB-12 (0'-2')
JC10922-4	12/16/15	10:30	FM	12/17/15	SO	Soil	SB-1201 (0'-2')
JC10922-5	12/16/15	11:10	FU	12/17/15	SO	Soil	SB-13 (0'-2')
JC10922-6	12/16/15	11:25	FU	12/17/15	SO	Soil	SB-14 (0'-2')
JC10922-7	12/16/15	11:00	FM	12/17/15	AQ	Field Blank Soil	FB-1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Equity Environmental Engineering	**Job No**	JC10922
Site:	Procida, 105 South 5th Street, Brooklyn, NY	**Report Date**	12/30/2015 1:14:25 P

On 12/17/2015, 6 Sample(s), 0 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 4.9 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC10922 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** VU9293

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC10827-1MS, JC10827-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** VV6686

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC10703-3ADUP, JC10703-1AMS were used as the QC samples indicated.
- JC10703-1AMS: Sample spiked with the same source as the initial calibration solution.
- JC10922-6 for Dibromofluoromethane: Outside control limits due to matrix interference, confirmed by reanalysis.

Matrix: SO **Batch ID:** VY6974

- The data for SW846 8260C meets quality control requirements.
- JC10922-6: Confirmation run for surrogate recoveries.

Wet Chemistry By Method SM2540 G-97

Matrix: SO **Batch ID:** GN38174

- The data for SM2540 G-97 meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC10922
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 12/16/15

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC10922-1	**SB-10 (0'-2')**					
No hits reported in this sample.						
JC10922-2	**SB-11 (0'-2')**					
Tetrachloroethene		0.00072 J	0.0020	0.00029	mg/kg	SW846 8260C
Trichloroethene		0.0013	0.00098	0.00014	mg/kg	SW846 8260C
JC10922-3	**SB-12 (0'-2')**					
Tetrachloroethene		0.0037	0.0024	0.00036	mg/kg	SW846 8260C
Trichloroethene		0.0065	0.0012	0.00018	mg/kg	SW846 8260C
JC10922-4	**SB-1201 (0'-2')**					
Tetrachloroethene		0.0032	0.0031	0.00047	mg/kg	SW846 8260C
Trichloroethene		0.0081	0.0015	0.00023	mg/kg	SW846 8260C
JC10922-5	**SB-13 (0'-2')**					
Tetrachloroethene		0.0022	0.0019	0.00028	mg/kg	SW846 8260C
Trichloroethene		0.0023	0.00094	0.00014	mg/kg	SW846 8260C
JC10922-6	**SB-14 (0'-2')**					
Trichloroethene		0.0031	0.0011	0.00016	mg/kg	SW846 8260C
JC10922-7	**FB-1**					
No hits reported in this sample.						

New Jersey

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Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-10 (0'-2')		
Lab Sample ID:	JC10922-1	**Date Sampled:**	12/16/15
Matrix:	SO - Soil	**Date Received:**	12/17/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.1
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V158450.D	1	12/18/15	PR	12/17/15 19:00	n/a	VV6686
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	0.0019	0.00029	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	0.00014	mg/kg	
79-01-6	Trichloroethene	ND	0.00097	0.00014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-122%
17060-07-0	1,2-Dichloroethane-D4	90%		68-124%
2037-26-5	Toluene-D8	100%		77-125%
460-00-4	4-Bromofluorobenzene	99%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-11 (0'-2')		
Lab Sample ID:	JC10922-2	**Date Sampled:**	12/16/15
Matrix:	SO - Soil	**Date Received:**	12/17/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	82.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V158451.D	1	12/18/15	PR	12/18/15 08:00	n/a	VV6686
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	0.00072	0.0020	0.00029	mg/kg	J
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00015	mg/kg	
79-01-6	Trichloroethene	0.0013	0.00098	0.00014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-122%
17060-07-0	1,2-Dichloroethane-D4	88%		68-124%
2037-26-5	Toluene-D8	100%		77-125%
460-00-4	4-Bromofluorobenzene	100%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-12 (0'-2')		
Lab Sample ID:	JC10922-3	**Date Sampled:**	12/16/15
Matrix:	SO - Soil	**Date Received:**	12/17/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	84.4
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V158456.D	1	12/18/15	PR	12/18/15 08:00	n/a	VV6686
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	0.0037	0.0024	0.00036	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0024	0.00018	mg/kg	
79-01-6	Trichloroethene	0.0065	0.0012	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-122%
17060-07-0	1,2-Dichloroethane-D4	88%		68-124%
2037-26-5	Toluene-D8	98%		77-125%
460-00-4	4-Bromofluorobenzene	101%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-1201 (0'-2')		
Lab Sample ID:	JC10922-4	**Date Sampled:**	12/16/15
Matrix:	SO - Soil	**Date Received:**	12/17/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	78.8
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V158457.D	1	12/18/15	PR	12/18/15 08:00	n/a	VV6686
Run #2							

	Initial Weight
Run #1	4.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	0.0032	0.0031	0.00047	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0031	0.00023	mg/kg	
79-01-6	Trichloroethene	0.0081	0.0015	0.00023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-122%
17060-07-0	1,2-Dichloroethane-D4	89%		68-124%
2037-26-5	Toluene-D8	100%		77-125%
460-00-4	4-Bromofluorobenzene	100%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-13 (0'-2')		
Lab Sample ID:	JC10922-5	**Date Sampled:**	12/16/15
Matrix:	SO - Soil	**Date Received:**	12/17/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.0
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V158458.D	1	12/18/15	PR	12/18/15 08:00	n/a	VV6686
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	0.0022	0.0019	0.00028	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	0.00014	mg/kg	
79-01-6	Trichloroethene	0.0023	0.00094	0.00014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-122%
17060-07-0	1,2-Dichloroethane-D4	87%		68-124%
2037-26-5	Toluene-D8	98%		77-125%
460-00-4	4-Bromofluorobenzene	98%		72-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-14 (0'-2')		
Lab Sample ID:	JC10922-6	**Date Sampled:**	12/16/15
Matrix:	SO - Soil	**Date Received:**	12/17/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	91.6
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V158459.D	1	12/18/15	PR	12/18/15 08:00	n/a	VV6686
Run #2 [a]	Y159830.D	1	12/20/15	PS	12/18/15 08:00	n/a	VY6974

	Initial Weight
Run #1	4.9 g
Run #2	4.6 g

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	0.0022	0.00017	mg/kg	
79-01-6	Trichloroethene	0.0031	0.0011	0.00016	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0056	0.00028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	61% [b]	59% [c]	70-122%
17060-07-0	1,2-Dichloroethane-D4	91%	108%	68-124%
2037-26-5	Toluene-D8	99%	105%	77-125%
460-00-4	4-Bromofluorobenzene	99%	104%	72-130%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference, confirmed by reanalysis.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC10922-7	**Date Sampled:**	12/16/15
Matrix:	AQ - Field Blank Soil	**Date Received:**	12/17/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U201928.D	1	12/23/15	NH	n/a	n/a	VU9293
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	88%		73-122%
2037-26-5	Toluene-D8	99%		84-119%
460-00-4	4-Bromofluorobenzene	92%		78-117%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

SLL

CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: JC10922

Client / Reporting Information

Company Name: Equity Environmental Engineering
Street Address: 500 International Drive
City: Mount Olive State: NJ Zip: 07828
Project Contact: Bob Jackson E-mail: Bob.Jackson@equityenvironmental.com
Phone #: 973-527-7451 Fax #: 973-858-0280
Sampler(s) Name(s): Frank Urilov / Faron Moser Phone #: 347-589-4178 / 201-341-1323

Project Information

Project Name: South 5th Street
Street: 95 S. 5th St.
City: Brooklyn State: NY
Project #: 2015059
Client Purchase Order #: 2015059
Project Manager: Bob Jackson

Billing Information (If different from Report to)

Company Name: SAME
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOC Analysis	LAB USE ONLY
-1	SB-10 (0'-2')	0	12/16/15	0929	FM	SO	4					X			X	X	P3
-2	SB-11 (0'-2')	0	12/16/15	0955	FM	SO	4					X			X	X	ENCORE
-3	SB-12 (0'-2')	0	12/16/15	1020	FM	SO	4					X			X	X	14A1
-4	SB-12D1 (0'-2')	0	12/16/15	1030	FM	SO	4					X			X	X	V28
-5	SB-13 (0'-2')	0	12/16/15	1110	FM	SO	4					X			X	X	49108
-6	SB-14 (0'-2')	0	12/16/15	1125	FM	SO	4					X			X	X	
-7	FB-1		12/16/15	1100	FM	FB	2	X								X	

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other
- Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:
INITIAL ASESSMENT 2B JK
LABEL VERIFICATION DL2

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

-only electronic copy of report, no paper copy needed
0 3 encores received 12/17/15 JK

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Faron W. M	12/16/15 1700	1	2	12/17/15 1131	2
3	12-17 1706	3	4		4
5		5			

Custody Seal #: None [ ] Intact [ ] Not intact
Preserved where applicable [ ]
On Ice [ ]
Cooler Temp. 0.4/-5 SP

JC10922: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JC10922 **Client:** **Project:**

Date / Time Received: 12/17/2015 5:06:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.5);

Cooler Temps (Corrected) °C: Cooler 1: (4.9);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JC10922: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES

Job Change Order: JC10922

Requested Date:	12/23/2015	**Received Date:**	12/17/2015
Account Name:	Equity Environmental Engineering	**Due Date:**	12/31/2015
Project Description:	Procida, 105 South 5th Street, Brooklyn, NY	**Deliverable:**	NYASPB
CSR:	MartyV	**TAT (Days):**	14

==========

Sample #: JC10922-ALL

Dept:

TAT: 14

Change:

Change test to V8260TCE, VMS+PCE and VMS+11TCA- Client only needs these 3 compounds reported.

==========

Above Changes Per: Bob Jackson

Date/Time: 12/23/2015 4:49:58 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Internal Sample Tracking Chronicle

Equity Environmental Engineering

Job No: JC10922

Procida, 105 South 5th Street, Brooklyn, NY
Project No: 2015059

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC10922-1	Collected: 16-DEC-15 09:29 By: FU		Received: 17-DEC-15 By: DG			
SB-10 (0'-2')						
JC10922-1	SM2540 G-97	18-DEC-15 17:00	KP			%SOL
JC10922-1	SW846 8260C	18-DEC-15 18:15	PR			V8260TCL20
JC10922-2	Collected: 16-DEC-15 09:55 By: FU		Received: 17-DEC-15 By: DG			
SB-11 (0'-2')						
JC10922-2	SM2540 G-97	18-DEC-15 17:00	KP			%SOL
JC10922-2	SW846 8260C	18-DEC-15 18:44	PR			V8260TCL20
JC10922-3	Collected: 16-DEC-15 10:20 By: FU		Received: 17-DEC-15 By: DG			
SB-12 (0'-2')						
JC10922-3	SM2540 G-97	18-DEC-15 17:00	KP			%SOL
JC10922-3	SW846 8260C	18-DEC-15 21:06	PR			V8260TCL20
JC10922-4	Collected: 16-DEC-15 10:30 By: FM		Received: 17-DEC-15 By: DG			
SB-1201 (0'-2')						
JC10922-4	SM2540 G-97	18-DEC-15 17:00	KP			%SOL
JC10922-4	SW846 8260C	18-DEC-15 21:35	PR			V8260TCL20
JC10922-5	Collected: 16-DEC-15 11:10 By: FU		Received: 17-DEC-15 By: DG			
SB-13 (0'-2')						
JC10922-5	SM2540 G-97	18-DEC-15 17:00	KP			%SOL
JC10922-5	SW846 8260C	18-DEC-15 22:03	PR			V8260TCL20
JC10922-6	Collected: 16-DEC-15 11:25 By: FU		Received: 17-DEC-15 By: DG			
SB-14 (0'-2')						
JC10922-6	SM2540 G-97	18-DEC-15 17:00	KP			%SOL
JC10922-6	SW846 8260C	18-DEC-15 22:31	PR			V8260TCL20
JC10922-6	SW846 8260C	20-DEC-15 15:31	PS			V8260TCL20
JC10922-7	Collected: 16-DEC-15 11:00 By: FM		Received: 17-DEC-15 By: DG			
FB-1						

Internal Sample Tracking Chronicle

Equity Environmental Engineering

Job No: JC10922

Procida, 105 South 5th Street, Brooklyn, NY
Project No: 2015059

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC10922-7	SW846 8260C	23-DEC-15 01:10	NH			V8260TCL20

Accutest Internal Chain of Custody

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Received: 12/17/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC10922-1.1	Secured Storage	Luis Villanueva	12/18/15 12:44	Retrieve from Storage
JC10922-1.1	Luis Villanueva	Secured Staging Area	12/18/15 12:44	Return to Storage
JC10922-1.1	Secured Staging Area	Kruti Patel	12/18/15 14:42	Retrieve from Storage
JC10922-1.1	Kruti Patel	Secured Storage	12/18/15 15:43	Return to Storage
JC10922-1.3	Secured Storage	Robert DiBiase	12/17/15 19:50	Retrieve from Storage
JC10922-1.3	Robert DiBiase	Secured Storage	12/17/15 19:50	Return to Storage
JC10922-1.4	Secured Storage	Robert DiBiase	12/17/15 19:50	Retrieve from Storage
JC10922-1.4	Robert DiBiase	Secured Storage	12/17/15 19:50	Return to Storage
JC10922-1.4	Secured Storage	Benjamin Mendez	12/18/15 13:58	Retrieve from Storage
JC10922-1.4	Benjamin Mendez	GCMSV	12/18/15 13:58	Load on Instrument
JC10922-1.4	GCMSV	Juntae Park	12/19/15 12:39	Unload from Instrument
JC10922-1.4	Juntae Park		12/19/15 13:29	Depleted
JC10922-1.5	Secured Storage	Robert DiBiase	12/17/15 19:50	Retrieve from Storage
JC10922-1.5	Robert DiBiase	Secured Storage	12/17/15 19:50	Return to Storage
JC10922-2.1	Secured Storage	Luis Villanueva	12/18/15 12:44	Retrieve from Storage
JC10922-2.1	Luis Villanueva	Secured Staging Area	12/18/15 12:44	Return to Storage
JC10922-2.1	Secured Staging Area	Kruti Patel	12/18/15 14:42	Retrieve from Storage
JC10922-2.1	Kruti Patel	Secured Storage	12/18/15 15:43	Return to Storage
JC10922-2.3	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-2.3	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-2.4	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-2.4	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-2.4	Secured Storage	Benjamin Mendez	12/18/15 13:58	Retrieve from Storage
JC10922-2.4	Benjamin Mendez	GCMSV	12/18/15 13:58	Load on Instrument
JC10922-2.4	GCMSV	Juntae Park	12/19/15 12:39	Unload from Instrument
JC10922-2.4	Juntae Park		12/19/15 13:29	Depleted
JC10922-2.5	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-2.5	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-3.1	Secured Storage	Luis Villanueva	12/18/15 12:44	Retrieve from Storage
JC10922-3.1	Luis Villanueva	Secured Staging Area	12/18/15 12:44	Return to Storage
JC10922-3.1	Secured Staging Area	Kruti Patel	12/18/15 14:42	Retrieve from Storage
JC10922-3.1	Kruti Patel	Secured Storage	12/18/15 15:43	Return to Storage
JC10922-3.3	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-3.3	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage

Accutest Internal Chain of Custody

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Received: 12/17/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC10922-3.4	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-3.4	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-3.4	Secured Storage	Benjamin Mendez	12/18/15 13:58	Retrieve from Storage
JC10922-3.4	Benjamin Mendez	GCMSV	12/18/15 13:58	Load on Instrument
JC10922-3.4	GCMSV	Juntae Park	12/19/15 12:39	Unload from Instrument
JC10922-3.4	Juntae Park		12/19/15 13:29	Depleted
JC10922-3.5	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-3.5	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-4.1	Secured Storage	Luis Villanueva	12/18/15 12:44	Retrieve from Storage
JC10922-4.1	Luis Villanueva	Secured Staging Area	12/18/15 12:44	Return to Storage
JC10922-4.1	Secured Staging Area	Kruti Patel	12/18/15 14:42	Retrieve from Storage
JC10922-4.1	Kruti Patel	Secured Storage	12/18/15 15:43	Return to Storage
JC10922-4.3	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-4.3	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-4.4	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-4.4	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-4.4	Secured Storage	Benjamin Mendez	12/18/15 13:58	Retrieve from Storage
JC10922-4.4	Benjamin Mendez	GCMSV	12/18/15 13:58	Load on Instrument
JC10922-4.4	GCMSV	Juntae Park	12/19/15 12:39	Unload from Instrument
JC10922-4.4	Juntae Park		12/19/15 13:29	Depleted
JC10922-4.5	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-4.5	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-5.1	Secured Storage	Luis Villanueva	12/18/15 12:44	Retrieve from Storage
JC10922-5.1	Luis Villanueva	Secured Staging Area	12/18/15 12:44	Return to Storage
JC10922-5.1	Secured Staging Area	Kruti Patel	12/18/15 14:42	Retrieve from Storage
JC10922-5.1	Kruti Patel	Secured Storage	12/18/15 15:43	Return to Storage
JC10922-5.3	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-5.3	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-5.4	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-5.4	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-5.4	Secured Storage	Benjamin Mendez	12/18/15 13:58	Retrieve from Storage
JC10922-5.4	Benjamin Mendez	GCMSV	12/18/15 13:58	Load on Instrument
JC10922-5.4	GCMSV	Juntae Park	12/19/15 12:39	Unload from Instrument
JC10922-5.4	Juntae Park		12/19/15 13:29	Depleted
JC10922-5.5	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Received: 12/17/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC10922-5.5	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-6.1	Secured Storage	Luis Villanueva	12/18/15 12:44	Retrieve from Storage
JC10922-6.1	Luis Villanueva	Secured Staging Area	12/18/15 12:44	Return to Storage
JC10922-6.1	Secured Staging Area	Kruti Patel	12/18/15 14:42	Retrieve from Storage
JC10922-6.1	Kruti Patel	Secured Storage	12/18/15 15:43	Return to Storage
JC10922-6.3	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-6.3	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-6.4	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-6.4	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-6.4	Secured Storage	Benjamin Mendez	12/18/15 13:58	Retrieve from Storage
JC10922-6.4	Benjamin Mendez	GCMSV	12/18/15 13:58	Load on Instrument
JC10922-6.4	GCMSV	Juntae Park	12/19/15 12:39	Unload from Instrument
JC10922-6.4	Juntae Park		12/19/15 13:29	Depleted
JC10922-6.5	Secured Storage	Jayna Patel	12/18/15 08:11	Retrieve from Storage
JC10922-6.5	Jayna Patel	Secured Storage	12/18/15 08:12	Return to Storage
JC10922-6.5	Secured Storage	Prashant Shukla	12/20/15 13:06	Retrieve from Storage
JC10922-6.5	Prashant Shukla	GCMSY	12/20/15 13:06	Load on Instrument
JC10922-6.5	GCMSY	Prashant Shukla	12/21/15 09:22	Unload from Instrument
JC10922-6.5	Prashant Shukla		12/21/15 09:23	Depleted
JC10922-7.1	Secured Storage	Nicole Horvath	12/22/15 15:02	Retrieve from Storage
JC10922-7.1	Nicole Horvath	GCMSU	12/22/15 15:02	Load on Instrument
JC10922-7.1	GCMSU	Nicole Horvath	12/23/15 10:04	Unload from Instrument
JC10922-7.1	Nicole Horvath	Secured Storage	12/23/15 10:05	Return to Storage

New Jersey
ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV6686-MB	V158432.D	1	12/18/15	PR	n/a	n/a	VV6686

The QC reported here applies to the following samples: **Method:** SW846 8260C

JC10922-1, JC10922-2

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	2.0	0.30	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.15	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	70-122%
17060-07-0	1,2-Dichloroethane-D4	88%	68-124%
2037-26-5	Toluene-D8	99%	77-125%
460-00-4	4-Bromofluorobenzene	99%	72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV6686-MB2	V158455.D	1	12/18/15	PR	n/a	n/a	VV6686

The QC reported here applies to the following samples: **Method:** SW846 8260C

JC10922-3, JC10922-4, JC10922-5, JC10922-6

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	2.0	0.30	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.15	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.25	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	70-122%
17060-07-0	1,2-Dichloroethane-D4	87%	68-124%
2037-26-5	Toluene-D8	98%	77-125%
460-00-4	4-Bromofluorobenzene	101%	72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU9293-MB	U201920.D	1	12/22/15	NH	n/a	n/a	VU9293

The QC reported here applies to the following samples: **Method:** SW846 8260C

JC10922-7

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	76-120%
17060-07-0	1,2-Dichloroethane-D4	91%	73-122%
2037-26-5	Toluene-D8	99%	84-119%
460-00-4	4-Bromofluorobenzene	93%	78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV6686-BS	V158433.D	1	12/18/15	PR	n/a	n/a	VV6686

The QC reported here applies to the following samples: **Method:** SW846 8260C

JC10922-1, JC10922-2, JC10922-3, JC10922-4, JC10922-5, JC10922-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
127-18-4	Tetrachloroethene	50	46.0	92	70-135
71-55-6	1,1,1-Trichloroethane	50	48.8	98	75-134
79-01-6	Trichloroethene	50	50.3	101	79-127
75-69-4	Trichlorofluoromethane	50	49.6	99	64-141

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	70-122%
17060-07-0	1,2-Dichloroethane-D4	90%	68-124%
2037-26-5	Toluene-D8	100%	77-125%
460-00-4	4-Bromofluorobenzene	100%	72-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU9293-BS	U201921.D	1	12/22/15	NH	n/a	n/a	VU9293

The QC reported here applies to the following samples: **Method:** SW846 8260C

JC10922-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
127-18-4	Tetrachloroethene	50	52.8	106	69-138
71-55-6	1,1,1-Trichloroethane	50	51.6	103	80-131
79-01-6	Trichloroethene	50	52.7	105	83-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	76-120%
17060-07-0	1,2-Dichloroethane-D4	93%	73-122%
2037-26-5	Toluene-D8	100%	84-119%
460-00-4	4-Bromofluorobenzene	89%	78-117%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC10703-1AMS [a]	V158439.D	1	12/18/15	PR	n/a	n/a	VV6686
JC10703-1A	V158436.D	1	12/18/15	PR	n/a	n/a	VV6686

The QC reported here applies to the following samples: **Method:** SW846 8260C

JC10922-1, JC10922-2, JC10922-3, JC10922-4, JC10922-5, JC10922-6

CAS No.	Compound	JC10703-1A ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
127-18-4	Tetrachloroethene	ND		50.3	29.2	58	34-163
71-55-6	1,1,1-Trichloroethane	ND		50.3	32.2	64	48-144
79-01-6	Trichloroethene	ND		50.3	33.3	66	42-152
75-69-4	Trichlorofluoromethane	ND		50.3	38.2	76	39-153

CAS No.	Surrogate Recoveries	MS	JC10703-1A	Limits
1868-53-7	Dibromofluoromethane	102%	99%	70-122%
17060-07-0	1,2-Dichloroethane-D4	98%	95%	68-124%
2037-26-5	Toluene-D8	98%	98%	77-125%
460-00-4	4-Bromofluorobenzene	98%	99%	72-130%

(a) Sample spiked with the same source as the initial calibration solution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC10827-1MS	U201922.D	25	12/22/15	NH	n/a	n/a	VU9293
JC10827-1MSD	U201923.D	25	12/22/15	NH	n/a	n/a	VU9293
JC10827-1	U201925.D	25	12/22/15	NH	n/a	n/a	VU9293
JC10827-1	U201926.D	250	12/23/15	NH	n/a	n/a	VU9293

The QC reported here applies to the following samples: **Method:** SW846 8260C

JC10922-7

CAS No.	Compound	JC10827-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethene	ND		1250	1350	108	1250	1320	106	2	43-145/15
71-55-6	1,1,1-Trichloroethane	ND		1250	1310	105	1250	1260	101	4	51-141/16
79-01-6	Trichloroethene	ND		1250	1370	110	1250	1330	106	3	55-136/14

CAS No.	Surrogate Recoveries	MS	MSD	JC10827-1	JC10827-1	Limits
1868-53-7	Dibromofluoromethane	97%	97%	96%	96%	76-120%
17060-07-0	1,2-Dichloroethane-D4	92%	90%	89%	88%	73-122%
2037-26-5	Toluene-D8	101%	100%	101%	99%	84-119%
460-00-4	4-Bromofluorobenzene	89%	90%	91%	90%	78-117%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC10703-3ADUP	V158441.D	1	12/18/15	PR	n/a	n/a	VV6686
JC10703-3A	V158437.D	1	12/18/15	PR	n/a	n/a	VV6686

The QC reported here applies to the following samples: **Method:** SW846 8260C

JC10922-1, JC10922-2, JC10922-3, JC10922-4, JC10922-5, JC10922-6

CAS No.	Compound	JC10703-3A ug/kg	Q	DUP ug/kg	Q	RPD	Limits
127-18-4	Tetrachloroethene	ND		ND		nc	30
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	30
79-01-6	Trichloroethene	ND		ND		nc	17
75-69-4	Trichlorofluoromethane	ND		ND		nc	30

CAS No.	Surrogate Recoveries	DUP	JC10703-3A	Limits
1868-53-7	Dibromofluoromethane	97%	99%	70-122%
17060-07-0	1,2-Dichloroethane-D4	91%	96%	68-124%
2037-26-5	Toluene-D8	100%	99%	77-125%
460-00-4	4-Bromofluorobenzene	101%	99%	72-130%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VU9209-BFB
Lab File ID: U199947.D
Instrument ID: GCMSU
Injection Date: 10/22/15
Injection Time: 15:38

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12302	16.6		Pass
75	30.0 - 60.0% of mass 95	34528	46.5		Pass
95	Base peak, 100% relative abundance	74288	100.0		Pass
96	5.0 - 9.0% of mass 95	4872	6.56		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	68954	92.8		Pass
175	5.0 - 9.0% of mass 174	5245	7.06	(7.61) [a]	Pass
176	95.0 - 101.0% of mass 174	67162	90.4	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4378	5.89	(6.52) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU9209-IC9209	U199948.D	10/22/15	16:11	00:33	Initial cal 0.2
VU9209-IC9209	U199949.D	10/22/15	16:40	01:02	Initial cal 0.5
VU9209-IC9209	U199950.D	10/22/15	17:10	01:32	Initial cal 1
VU9209-IC9209	U199951.D	10/22/15	17:39	02:01	Initial cal 2
VU9209-IC9209	U199952.D	10/22/15	18:08	02:30	Initial cal 5
VU9209-IC9209	U199953.D	10/22/15	18:37	02:59	Initial cal 10
VU9209-IC9209	U199954.D	10/22/15	19:06	03:28	Initial cal 20
VU9209-ICC9209	U199955.D	10/22/15	19:35	03:57	Initial cal 50
VU9209-IC9209	U199956.D	10/22/15	20:04	04:26	Initial cal 100
VU9209-IC9209	U199957.D	10/22/15	20:33	04:55	Initial cal 200
VU9209-ICV9209	U199960.D	10/22/15	22:01	06:23	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VU9293-BFB
Lab File ID: U201917.D
Instrument ID: GCMSU
Injection Date: 12/22/15
Injection Time: 19:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11369	16.3		Pass
75	30.0 - 60.0% of mass 95	31621	45.4		Pass
95	Base peak, 100% relative abundance	69699	100.0		Pass
96	5.0 - 9.0% of mass 95	4747	6.81		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	68019	97.6		Pass
175	5.0 - 9.0% of mass 174	5194	7.45	(7.64) [a]	Pass
176	95.0 - 101.0% of mass 174	66523	95.4	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	4353	6.25	(6.54) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU9293-CC9209	U201918.D	12/22/15	20:17	00:29	Continuing cal 50
VU9293-MB	U201920.D	12/22/15	21:16	01:28	Method Blank
VU9293-BS	U201921.D	12/22/15	21:45	01:57	Blank Spike
JC10827-1MS	U201922.D	12/22/15	22:14	02:26	Matrix Spike
JC10827-1MSD	U201923.D	12/22/15	22:43	02:55	Matrix Spike Duplicate
JC10827-1	U201925.D	12/22/15	23:42	03:54	(used for QC only; not part of job JC10922)
JC10827-1	U201926.D	12/23/15	00:11	04:23	(used for QC only; not part of job JC10922)
ZZZZZZ	U201927.D	12/23/15	00:41	04:53	(unrelated sample)
JC10922-7	U201928.D	12/23/15	01:10	05:22	FB-1
ZZZZZZ	U201929.D	12/23/15	01:39	05:51	(unrelated sample)
ZZZZZZ	U201930.D	12/23/15	02:08	06:20	(unrelated sample)
ZZZZZZ	U201931.D	12/23/15	02:38	06:50	(unrelated sample)
ZZZZZZ	U201932.D	12/23/15	03:06	07:18	(unrelated sample)
ZZZZZZ	U201933.D	12/23/15	03:36	07:48	(unrelated sample)
ZZZZZZ	U201934.D	12/23/15	04:05	08:17	(unrelated sample)
ZZZZZZ	U201935.D	12/23/15	04:34	08:46	(unrelated sample)
ZZZZZZ	U201936.D	12/23/15	05:04	09:16	(unrelated sample)
ZZZZZZ	U201937.D	12/23/15	05:33	09:45	(unrelated sample)
ZZZZZZ	U201938.D	12/23/15	06:03	10:15	(unrelated sample)
ZZZZZZ	U201939.D	12/23/15	06:32	10:44	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VV6633-BFB
Lab File ID: V156927.D
Instrument ID: GCMSV
Injection Date: 10/28/15
Injection Time: 17:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	23424	19.6		Pass
75	30.0 - 60.0% of mass 95	57877	48.5		Pass
95	Base peak, 100% relative abundance	119450	100.0		Pass
96	5.0 - 9.0% of mass 95	8408	7.04		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	117664	98.5		Pass
175	5.0 - 9.0% of mass 174	8716	7.30	(7.41) [a]	Pass
176	95.0 - 101.0% of mass 174	112608	94.3	(95.7) [a]	Pass
177	5.0 - 9.0% of mass 176	7182	6.01	(6.38) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VV6633-IC6633	V156929.D	10/28/15	18:09	01:07	Initial cal 0.5
VV6633-IC6633	V156930.D	10/28/15	18:38	01:36	Initial cal 1
VV6633-IC6633	V156931.D	10/28/15	19:06	02:04	Initial cal 2
VV6633-IC6633	V156932.D	10/28/15	19:35	02:33	Initial cal 4
VV6633-IC6633	V156933.D	10/28/15	20:03	03:01	Initial cal 8
VV6633-IC6633	V156934.D	10/28/15	20:32	03:30	Initial cal 20
VV6633-ICC6633	V156935.D	10/28/15	21:00	03:58	Initial cal 50
VV6633-IC6633	V156936.D	10/28/15	21:29	04:27	Initial cal 100
VV6633-IC6633	V156937.D	10/28/15	21:58	04:56	Initial cal 200
VV6633-ICV6633	V156940.D	10/28/15	23:23	06:21	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VV6686-BFB
Lab File ID: V158429.D
Instrument ID: GCMSV
Injection Date: 12/18/15
Injection Time: 07:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	19208	17.3		Pass
75	30.0 - 60.0% of mass 95	50469	45.3		Pass
95	Base peak, 100% relative abundance	111306	100.0		Pass
96	5.0 - 9.0% of mass 95	7912	7.11		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	95269	85.6		Pass
175	5.0 - 9.0% of mass 174	7471	6.71	(7.84) [a]	Pass
176	95.0 - 101.0% of mass 174	93178	83.7	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	6459	5.80	(6.93) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VV6686-CC6633	V158430.D	12/18/15	07:47	00:47	Continuing cal 20
VV6686-MB	V158432.D	12/18/15	08:52	01:52	Method Blank
VV6686-BS	V158433.D	12/18/15	09:34	02:34	Blank Spike
ZZZZZZ	V158435.D	12/18/15	10:31	03:31	(unrelated sample)
JC10703-1A	V158436.D	12/18/15	11:00	04:00	(used for QC only; not part of job JC10922)
JC10703-3A	V158437.D	12/18/15	12:04	05:04	(used for QC only; not part of job JC10922)
ZZZZZZ	V158438.D	12/18/15	12:32	05:32	(unrelated sample)
JC10703-1AMS	V158439.D	12/18/15	13:01	06:01	Matrix Spike
JC10703-3ADUP	V158441.D	12/18/15	13:58	06:58	Duplicate
ZZZZZZ	V158442.D	12/18/15	14:26	07:26	(unrelated sample)
ZZZZZZ	V158443.D	12/18/15	14:55	07:55	(unrelated sample)
ZZZZZZ	V158444.D	12/18/15	15:24	08:24	(unrelated sample)
ZZZZZZ	V158445.D	12/18/15	15:53	08:53	(unrelated sample)
ZZZZZZ	V158446.D	12/18/15	16:21	09:21	(unrelated sample)
ZZZZZZ	V158447.D	12/18/15	16:49	09:49	(unrelated sample)
ZZZZZZ	V158448.D	12/18/15	17:18	10:18	(unrelated sample)
ZZZZZZ	V158449.D	12/18/15	17:47	10:47	(unrelated sample)
JC10922-1	V158450.D	12/18/15	18:15	11:15	SB-10 (0'-2')
JC10922-2	V158451.D	12/18/15	18:44	11:44	SB-11 (0'-2')

Instrument Performance Check (BFB)

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VV6686-BFB2
Lab File ID: V158452.D
Instrument ID: GCMSV
Injection Date: 12/18/15
Injection Time: 19:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	20082	17.9		Pass
75	30.0 - 60.0% of mass 95	51312	45.6		Pass
95	Base peak, 100% relative abundance	112472	100.0		Pass
96	5.0 - 9.0% of mass 95	7712	6.86		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	97640	86.8		Pass
175	5.0 - 9.0% of mass 174	7283	6.48	(7.46) [a]	Pass
176	95.0 - 101.0% of mass 174	93784	83.4	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	6677	5.94	(7.12) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VV6686-CC6633	V158453.D	12/18/15	19:41	00:29	Continuing cal 50
VV6686-MB2	V158455.D	12/18/15	20:38	01:26	Method Blank
JC10922-3	V158456.D	12/18/15	21:06	01:54	SB-12 (0'-2')
JC10922-4	V158457.D	12/18/15	21:35	02:23	SB-1201 (0'-2')
JC10922-5	V158458.D	12/18/15	22:03	02:51	SB-13 (0'-2')
JC10922-6	V158459.D	12/18/15	22:31	03:19	SB-14 (0'-2')
ZZZZZZ	V158460.D	12/18/15	23:00	03:48	(unrelated sample)
ZZZZZZ	V158461.D	12/18/15	23:28	04:16	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VY6930-BFB
Lab File ID: Y158701.D
Instrument ID: GCMSY
Injection Date: 11/08/15
Injection Time: 11:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14598	18.5		Pass
75	30.0 - 60.0% of mass 95	37477	47.5		Pass
95	Base peak, 100% relative abundance	78914	100.0		Pass
96	5.0 - 9.0% of mass 95	5306	6.72		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	62298	78.9		Pass
175	5.0 - 9.0% of mass 174	4675	5.92	(7.50) [a]	Pass
176	95.0 - 101.0% of mass 174	60264	76.4	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	4124	5.23	(6.84) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY6930-IC6930	Y158702.D	11/08/15	12:09	00:36	Initial cal 0.2
VY6930-IC6930	Y158703.D	11/08/15	12:37	01:04	Initial cal 0.5
VY6930-IC6930	Y158704.D	11/08/15	13:06	01:33	Initial cal 1
VY6930-IC6930	Y158705.D	11/08/15	13:34	02:01	Initial cal 2
VY6930-IC6930	Y158706.D	11/08/15	14:02	02:29	Initial cal 4
VY6930-IC6930	Y158707.D	11/08/15	14:30	02:57	Initial cal 8
VY6930-IC6930	Y158708.D	11/08/15	14:59	03:26	Initial cal 20
VY6930-ICC6930	Y158709.D	11/08/15	15:27	03:54	Initial cal 50
VY6930-IC6930	Y158710.D	11/08/15	15:55	04:22	Initial cal 100
VY6930-IC6930	Y158711.D	11/08/15	16:23	04:50	Initial cal 200
VY6930-ICV6930	Y158714.D	11/08/15	17:48	06:15	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VY6974-BFB
Lab File ID: Y159820.D
Instrument ID: GCMSY
Injection Date: 12/20/15
Injection Time: 10:26

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11484	18.1		Pass
75	30.0 - 60.0% of mass 95	29816	46.9		Pass
95	Base peak, 100% relative abundance	63546	100.0		Pass
96	5.0 - 9.0% of mass 95	4245	6.68		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	52314	82.3		Pass
175	5.0 - 9.0% of mass 174	4052	6.38	(7.75) [a]	Pass
176	95.0 - 101.0% of mass 174	51800	81.5	(99.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3555	5.59	(6.86) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY6974-CC6930	Y159821.D	12/20/15	10:59	00:33	Continuing cal 20
VY6974-MB	Y159823.D	12/20/15	12:03	01:37	Method Blank
VY6974-BS	Y159824.D	12/20/15	12:31	02:05	Blank Spike
JC10993-1MS	Y159825.D	12/20/15	13:12	02:46	Matrix Spike
JC10993-1MSD	Y159826.D	12/20/15	13:40	03:14	Matrix Spike Duplicate
JC10993-1	Y159828.D	12/20/15	14:36	04:10	(used for QC only; not part of job JC10922)
ZZZZZZ	Y159829.D	12/20/15	15:03	04:37	(unrelated sample)
JC10922-6	Y159830.D	12/20/15	15:31	05:05	SB-14 (0'-2')
ZZZZZZ	Y159831.D	12/20/15	15:59	05:33	(unrelated sample)
ZZZZZZ	Y159832.D	12/20/15	16:27	06:01	(unrelated sample)
ZZZZZZ	Y159835.D	12/20/15	17:50	07:24	(unrelated sample)
ZZZZZZ	Y159840.D	12/20/15	20:10	09:44	(unrelated sample)
ZZZZZZ	Y159841.D	12/20/15	20:38	10:12	(unrelated sample)
ZZZZZZ	Y159842.D	12/20/15	21:06	10:40	(unrelated sample)
ZZZZZZ	Y159843.D	12/20/15	21:34	11:08	(unrelated sample)
ZZZZZZ	Y159844.D	12/20/15	22:01	11:35	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VY6981-BFB
Lab File ID: Y159979.D
Instrument ID: GCMSY
Injection Date: 12/23/15
Injection Time: 21:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17112	16.6		Pass
75	30.0 - 60.0% of mass 95	45301	43.9		Pass
95	Base peak, 100% relative abundance	103136	100.0		Pass
96	5.0 - 9.0% of mass 95	7125	6.91		Pass
173	Less than 2.0% of mass 174	212	0.21	(0.24) [a]	Pass
174	50.0 - 120.0% of mass 95	86896	84.3		Pass
175	5.0 - 9.0% of mass 174	6499	6.30	(7.48) [a]	Pass
176	95.0 - 101.0% of mass 174	84637	82.1	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	5690	5.52	(6.72) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY6981-IC6930	Y159981.D	12/23/15	22:48	00:57	Initial cal 0.5
VY6981-IC6930	Y159982.D	12/23/15	23:17	01:26	Initial cal 1
VY6981-IC6930	Y159983.D	12/23/15	23:45	01:54	Initial cal 2
VY6981-IC6930	Y159984.D	12/24/15	00:13	02:22	Initial cal 4
VY6981-IC6930	Y159985.D	12/24/15	00:42	02:51	Initial cal 8
VY6981-IC6930	Y159986.D	12/24/15	01:10	03:19	Initial cal 20
VY6981-IC6930	Y159987.D	12/24/15	01:39	03:48	Initial cal 50
VY6981-IC6930	Y159988.D	12/24/15	02:07	04:16	Initial cal 100
VY6981-IC6930	Y159989.D	12/24/15	02:35	04:44	Initial cal 200
VY6981-ICV6930	Y159991.D	12/24/15	03:32	05:41	Initial cal verification 50
VY6982-MB	Y159993.D	12/24/15	04:29	06:38	Method Blank
ZZZZZZ	Y159994.D	12/24/15	04:57	07:06	(unrelated sample)
ZZZZZZ	Y159995.D	12/24/15	05:25	07:34	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	VU9293-CC9209	**Injection Date:**	12/22/15
Lab File ID:	U201918.D	**Injection Time:**	20:17
Instrument ID:	GCMSU	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	74922	7.87	266679	10.06	310512	10.98	293858	14.31	158261	16.89
Upper Limit [a]	149844	8.37	533358	10.56	621024	11.48	587716	14.81	316522	17.39
Lower Limit [b]	37461	7.37	133340	9.56	155256	10.48	146929	13.81	79131	16.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VU9293-MB	76111	7.87	268540	10.06	313226	10.98	293281	14.31	148325	16.88
VU9293-BS	81154	7.86	267376	10.06	312325	10.98	296164	14.31	156817	16.88
JC10827-1MS	80047	7.87	270781	10.06	314224	10.98	298788	14.31	159116	16.89
JC10827-1MSD	80623	7.87	277417	10.06	320784	10.98	302826	14.31	158193	16.89
JC10827-1	70417	7.88	276934	10.06	316145	10.98	300130	14.31	156293	16.89
JC10827-1	79308	7.87	279593	10.06	321131	10.98	302778	14.31	155305	16.89
ZZZZZZ	76244	7.87	277316	10.06	318882	10.98	302302	14.31	151264	16.88
JC10922-7	80907	7.88	277435	10.06	320743	10.98	300007	14.31	149554	16.89
ZZZZZZ	75011	7.87	276561	10.06	319158	10.98	299694	14.31	149310	16.89
ZZZZZZ	79028	7.87	272565	10.06	317153	10.98	297212	14.31	148970	16.89
ZZZZZZ	120976	7.87	274513	10.06	316184	10.98	298371	14.31	148997	16.89
ZZZZZZ	81392	7.88	274601	10.06	319725	10.98	297827	14.31	145847	16.88
ZZZZZZ	75505	7.88	267742	10.06	308833	10.98	292789	14.31	151314	16.88
ZZZZZZ	80197	7.90	270475	10.06	311845	10.98	290726	14.31	148249	16.89
ZZZZZZ	74743	7.89	269157	10.06	313420	10.98	291825	14.31	146479	16.89
ZZZZZZ	78132	7.88	269335	10.06	311362	10.98	294693	14.31	153073	16.89
ZZZZZZ	80592	7.88	275680	10.06	321251	10.98	300089	14.31	149335	16.88
ZZZZZZ	100849	7.87	273353	10.06	312693	10.98	298314	14.31	154971	16.88
ZZZZZZ	86112	7.87	277936	10.06	321902	10.98	302482	14.31	152287	16.88

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	VV6686-CC6633	**Injection Date:**	12/18/15
Lab File ID:	V158430.D	**Injection Time:**	07:47
Instrument ID:	GCMSV	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	177333	7.67	424822	9.90	532666	10.85	482905	14.27	267145	16.87
Upper Limit [a]	354666	8.17	849644	10.40	1065332	11.35	965810	14.77	534290	17.37
Lower Limit [b]	88667	7.17	212411	9.40	266333	10.35	241453	13.77	133573	16.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VV6686-MB	192994	7.67	437770	9.90	536686	10.85	491912	14.27	285704	16.87
VV6686-BS	210381	7.68	436506	9.91	548775	10.86	507895	14.27	277869	16.87
ZZZZZZ	214469	7.67	458449	9.91	564228	10.86	516874	14.27	267782	16.87
JC10703-1A	222046	7.67	452074	9.90	572679	10.86	536176	14.27	297302	16.87
JC10703-3A	242317	7.69	493515	9.90	626960	10.85	571835	14.27	315428	16.87
ZZZZZZ	210009	7.66	451380	9.91	565370	10.85	531495	14.27	297355	16.87
JC10703-1AMS [c]	242424	7.67	433461	9.91	554065	10.85	515911	14.27	267358	16.87
JC10703-3ADUP	223138	7.68	463569	9.91	576023	10.86	536712	14.27	306332	16.87
ZZZZZZ	208537	7.67	445978	9.91	554453	10.86	515793	14.27	284972	16.87
ZZZZZZ	165818	7.66	430909	9.91	536452	10.85	491704	14.27	264831	16.87
ZZZZZZ	177368	7.68	441772	9.91	551278	10.86	498217	14.27	262914	16.87
ZZZZZZ	190802	7.68	428881	9.91	535646	10.85	481739	14.27	249509	16.87
ZZZZZZ	193594	7.68	447535	9.91	553371	10.86	507568	14.27	283732	16.87
ZZZZZZ	195371	7.67	451531	9.91	551357	10.86	503871	14.27	273929	16.87
ZZZZZZ	181408	7.67	434460	9.91	542955	10.86	496173	14.27	270381	16.87
ZZZZZZ	184771	7.67	427429	9.91	533227	10.85	494535	14.27	266652	16.87
JC10922-1	186780	7.68	438646	9.91	542868	10.86	507786	14.27	289411	16.87
JC10922-2	196542	7.67	441249	9.91	544830	10.86	509866	14.27	287529	16.87

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample spiked with the same source as the initial calibration solution.

Volatile Internal Standard Area Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	VV6686-CC6633	**Injection Date:**	12/18/15
Lab File ID:	V158453.D	**Injection Time:**	19:41
Instrument ID:	GCMSV	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	216376	7.68	398538	9.90	504754	10.86	465827	14.27	265164	16.87
Upper Limit [a]	432752	8.18	797076	10.40	1009508	11.36	931654	14.77	530328	17.37
Lower Limit [b]	108188	7.18	199269	9.40	252377	10.36	232914	13.77	132582	16.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VV6686-MB2	169325	7.67	411922	9.91	510905	10.86	466658	14.27	272748	16.87
JC10922-3	175759	7.67	416783	9.91	514567	10.85	473868	14.27	268785	16.87
JC10922-4	189992	7.67	417845	9.91	518949	10.85	481032	14.27	275962	16.87
JC10922-5	180387	7.69	433444	9.91	536707	10.86	491854	14.27	281056	16.87
JC10922-6	182296	7.67	409703	9.91	505189	10.85	464814	14.27	255219	16.87
ZZZZZZ	157495	7.67	397401	9.91	490364	10.86	448001	14.27	253438	16.87
ZZZZZZ	159797	7.66	395927	9.90	490329	10.85	446438	14.27	257061	16.87

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	VY6974-CC6930	**Injection Date:**	12/20/15
Lab File ID:	Y159821.D	**Injection Time:**	10:59
Instrument ID:	GCMSY	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	97089	7.24	192694	9.46	242435	10.38	195625	13.52	106997	15.83
Upper Limit [a]	194178	7.74	385388	9.96	484870	10.88	391250	14.02	213994	16.33
Lower Limit [b]	48545	6.74	96347	8.96	121218	9.88	97813	13.02	53499	15.33

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VY6974-MB	84884	7.24	179976	9.46	228004	10.38	193213	13.52	97485	15.83
VY6974-BS	92317	7.25	194963	9.46	249820	10.38	203648	13.53	108387	15.82
JC10993-1MS	89820	7.24	216661	9.46	276100	10.38	219099	13.52	116206	15.83
JC10993-1MSD	97788	7.25	212353	9.46	269006	10.38	217742	13.52	114275	15.82
JC10993-1	110251	7.24	208580	9.46	265429	10.38	220200	13.53	110059	15.83
ZZZZZZ	97372	7.26	205978	9.46	262523	10.38	214276	13.53	106231	15.83
JC10922-6 [c]	99891	7.25	212920	9.46	274621	10.38	227907	13.53	108340	15.83
ZZZZZZ	87546	7.24	219955	9.46	280005	10.38	232923	13.53	110348	15.82
ZZZZZZ	94426	7.25	221804	9.46	284023	10.38	229115	13.53	109864	15.83
ZZZZZZ	96476	7.25	206050	9.46	261026	10.38	211888	13.52	112850	15.83
ZZZZZZ	98300	7.25	203434	9.46	258969	10.38	214830	13.52	109277	15.83
ZZZZZZ	94067	7.25	214071	9.46	276476	10.38	225268	13.52	108851	15.83
ZZZZZZ	108813	7.25	216225	9.46	278589	10.38	228818	13.52	110075	15.83
ZZZZZZ	98001	7.26	214503	9.46	273333	10.38	224609	13.52	108556	15.83
ZZZZZZ	106833	7.24	210755	9.46	265540	10.38	224060	13.53	108398	15.83

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Confirmation run for surrogate recoveries.

Volatile Surrogate Recovery Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JC10922-7	U201928.D	97	88	99	92
JC10827-1MS	U201922.D	97	92	101	89
JC10827-1MSD	U201923.D	97	90	100	90
VU9293-BS	U201921.D	99	93	100	89
VU9293-MB	U201920.D	98	91	99	93

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	76-120%
S2 = 1,2-Dichloroethane-D4	73-122%
S3 = Toluene-D8	84-119%
S4 = 4-Bromofluorobenzene	78-117%

Volatile Surrogate Recovery Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Method: SW846 8260C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JC10922-1	V158450.D	98	90	100	99
JC10922-2	V158451.D	98	88	100	100
JC10922-3	V158456.D	94	88	98	101
JC10922-4	V158457.D	95	89	100	100
JC10922-5	V158458.D	97	87	98	98
JC10922-6	V158459.D	61* [a]	91	99	99
JC10922-6	Y159830.D	59* [b]	108	105	104
JC10703-1AMS	V158439.D	102	98	98	98
JC10703-3ADUP	V158441.D	97	91	100	101
VV6686-BS	V158433.D	98	90	100	100
VV6686-MB	V158432.D	97	88	99	99
VV6686-MB2	V158455.D	97	87	98	101

Surrogate Compounds		Recovery Limits
S1 =	Dibromofluoromethane	70-122%
S2 =	1,2-Dichloroethane-D4	68-124%
S3 =	Toluene-D8	77-125%
S4 =	4-Bromofluorobenzene	72-130%

(a) Outside control limits due to matrix interference, confirmed by reanalysis.
(b) Outside control limits due to matrix interference.

Initial Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VU9209-ICC9209
Lab FileID: U199955.D

```
                    Response Factor Report  MSU

Method       : C:\MSDCHEM\1\METHODS\MU9209.M (RTE Integrator)
Title        : SW-846  8260B, ZB624  60m x 250um x 1.40um
Last Update  : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Calibration Files
5   =u199952.D   2   =u199951.D   20  =u199954.D   50  =u199955.D
100 =u199956.D   1   =u199950.D   200 =u199957.D   10  =u199953.D
0.5 =u199949.D   0.2 =u199948.D       =                =

Compound
        5     2     20    50    100   1     200   10    0.5   0.2    Avg   %RSD
-------------------------------------------------------------------------------

1) I   Tert Butyl Alcohol-d9 ----------------ISTD---------------------
2)  tertiary butyl alcohol
     1.144 0.961 1.164 1.168 1.178 1.058 1.110 1.164              1.119    6.69
3)  Ethanol
                                                                  0.000   -1.00
4)  1,4-dioxane
     0.088 0.070 0.096 0.099 0.101       0.097 0.096              0.092   11.46

5) I   pentafluorobenzene    ----------------ISTD---------------------
6)  freon 115
                                                                  0.000   -1.00
7)  freon 23
                                                                  0.000   -1.00
8)  freon 143A
                                                                  0.000   -1.00
9)  freon 152A
                                                                  0.000   -1.00
10)  chlorotrifluoroethene
                                                                  0.000   -1.00
11)  chlorodifluoromethane
      0.383 0.308 0.396 0.430 0.415 0.335 0.403 0.389              0.382   10.74
12)  dichlorodifluoromethane
      0.464 0.448 0.488 0.520 0.502 0.311 0.457 0.472              0.458   13.96
13)  freon 142B
                                                                  0.000   -1.00
14)  freon 114
                                                                  0.000   -1.00
15)  chloromethane
      0.553 0.599 0.545 0.542 0.525 0.555 0.502 0.543 0.563        0.547    4.83
16)  vinyl chloride
      0.491 0.543 0.500 0.512 0.492 0.431 0.470 0.485 0.425        0.483    7.72
17)  acetaldehyde
                                                                  0.000   -1.00
18)  bromomethane
      0.359 0.388 0.353 0.344 0.312 0.328 0.248 0.352 0.318        0.334   11.85
19)  chloroethane
      0.276 0.302 0.277 0.272 0.268 0.227 0.234 0.268              0.265    9.14
20)  trichlorofluoromethane
      0.662 0.701 0.666 0.683 0.664 0.583 0.623 0.649 0.612        0.649    5.69
21)  pentane
                                                                  0.000   -1.00
22)  freon 123A
                                                                  0.000   -1.00
23)  ethyl ether
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VU9209-ICC9209
Account: EEENJF Equity Environmental Engineering **Lab FileID:** U199955.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
      0.214 0.196 0.225 0.227 0.230 0.181 0.222 0.218 0.176        0.210    9.77
24)  2-CHLOROPROPANE
      0.712 0.593 0.730 0.739 0.729 0.622 0.703 0.711 0.550        0.677   10.25
25)  freon 141B
                                                                   0.000   -1.00
26)  freon 123
                                                                   0.000   -1.00
27)  acrolein
      0.074 0.065 0.074 0.073 0.074 0.066 0.070 0.071 0.063        0.070    6.34
28)  1,1-dichloroethene
      0.366 0.309 0.376 0.382 0.376 0.309 0.363 0.374 0.284        0.349   10.64
29)  acetone
      0.025       0.033 0.034 0.034       0.033 0.030              0.031   11.26
30)  allyl chloride
      0.216 0.186 0.218 0.220 0.225 0.171 0.222 0.222 0.159        0.204   12.47
31)  acetonitrile
      0.035 0.041 0.036 0.032 0.031       0.030 0.032              0.034   11.56
32)  iodomethane
      0.706 0.575 0.724 0.736 0.734 0.609 0.709 0.718 0.568        0.675   10.37
33)  carbon disulfide
      1.314 1.107 1.330 1.348 1.329 1.132 1.284 1.312 1.061 1.371  1.259    9.00
34)  1-CHLOROPROPANE
      0.029       0.034 0.034 0.034       0.033 0.030              0.032    6.64
35)  methylene chloride
      0.416 0.371 0.425 0.432 0.431 0.363 0.415 0.425 0.332        0.401    9.05
36)  methyl acetate
      0.267 0.229 0.293 0.291 0.290 0.273 0.274 0.277 0.227        0.269    9.24
37)  methyl tert butyl ether
      1.232 1.123 1.248 1.255 1.257 1.193 1.206 1.235 1.253 1.131  1.213    4.14
38)  trans-1,2-dichloroethene
      0.412 0.350 0.411 0.418 0.416 0.381 0.401 0.408 0.356 0.266  0.382   12.45
39)  di-isopropyl ether
      1.209 1.092 1.263 1.291 1.291 1.291 1.233 1.253 1.266 1.339  1.253    5.33
40)  ethyl tert-butyl ether
      1.237 1.127 1.285 1.323 1.328 1.344 1.283 1.282 1.273 1.399  1.288    5.60
41)  2-butanone
      0.041       0.048 0.048 0.048       0.047 0.045              0.046    6.12
42)  1,1-dichloroethane
      0.732 0.627 0.745 0.744 0.741 0.653 0.711 0.737 0.600 0.477  0.677   13.04
43)  chloroprene
      0.547 0.454 0.583 0.603 0.603 0.527 0.585 0.573 0.465 0.504  0.544   10.14
44)  acrylonitrile
      0.148 0.131 0.151 0.150 0.150 0.132 0.142 0.145 0.133 0.092  0.137   12.85
45)  vinyl acetate
      0.067       0.076 0.077 0.081       0.077 0.074              0.075    6.02
46)  ethyl acetate
      0.048       0.055 0.059 0.060       0.058 0.051              0.055    8.54
47)  2,2-dichloropropane
      0.630 0.522 0.625 0.629 0.616 0.552 0.588 0.623 0.503        0.588    8.44
48)  cis-1,2-dichloroethene
      0.448 0.407 0.461 0.463 0.462 0.406 0.444 0.457 0.377 0.296  0.422   12.66
49)  methyl acrylate
      0.056       0.063 0.064 0.065       0.063 0.058              0.062    5.82
50)  propionitrile
      0.060 0.051 0.060 0.059 0.059 0.052 0.056 0.058 0.052        0.056    6.72
51)  bromochloromethane
      0.226 0.192 0.230 0.233 0.233 0.188 0.225 0.223 0.175        0.214   10.48
52)  tetrahydrofuran
      0.142 0.123 0.138 0.139 0.138 0.111 0.130 0.136              0.132    8.00
53)  chloroform
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VU9209-ICC9209
Account: EEENJF Equity Environmental Engineering **Lab FileID:** U199955.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
      0.726 0.638 0.720 0.733 0.730 0.646 0.702 0.714 0.653 0.504  0.676   10.49
54)  tert-butyl Formate
      0.356 0.299 0.362 0.374 0.380 0.341 0.367 0.356 0.310        0.349    8.03
55)  iso-butyl alcohol
      0.019 0.017 0.020 0.019 0.019 0.016 0.017 0.019 0.013        0.018   12.52
56)  dibromofluoromethane (s)
      0.369 0.368 0.372 0.374 0.376 0.373 0.370 0.370 0.370 0.371  0.371    0.65
57)  1,2-dichloroethane-d4 (s)
      0.406 0.412 0.409 0.416 0.421 0.405 0.419 0.409 0.408 0.408  0.411    1.34
58)  freon 113
      0.304 0.227 0.307 0.327 0.313 0.235 0.287 0.314              0.289   13.11
59)  methacrylonitrile
      0.241 0.201 0.241 0.242 0.244 0.208 0.234 0.243 0.190        0.227    9.33
60)  1,1,1-trichloroethane
      0.660 0.540 0.660 0.663 0.655 0.553 0.632 0.648 0.518 0.447  0.598   12.91
61)  tert amyl alcohol
                                                                   0.000   -1.00
62)  tert-amyl methyl ether
      0.291 0.260 0.297 0.301 0.307 0.284 0.288 0.295 0.241        0.285    7.41
63)  iso-octane
      1.500 1.287 1.567 1.653 1.617 1.379 1.408 1.559 1.153 1.632  1.475   11.18

64) I   1,4-difluorobenzene   ----------------ISTD--------------------
65)  Di-isobutylene
                                                                   0.000   -1.00
66)  epichlorohydrin
      0.033 0.032 0.035 0.036 0.035 0.036 0.035 0.034 0.026        0.034    9.68
67)  n-butyl alcohol
      0.010 0.008 0.011 0.011 0.011 0.009 0.010 0.010 0.009 0.009  0.010    9.27
68)  Cyclohexane
      0.555 0.439 0.549 0.557 0.540 0.411 0.503 0.550              0.513   11.21
69)  carbon tetrachloride
      0.524 0.419 0.521 0.522 0.511 0.452 0.494 0.512 0.367 0.357  0.468   14.02
70)  1,1-dichloropropene
      0.478 0.398 0.473 0.482 0.471 0.391 0.461 0.476 0.364 0.294  0.429   14.93
71)  hexane
      0.458 0.359 0.475 0.493 0.478 0.444 0.433 0.476 0.319 0.359  0.429   14.25
72)  benzene
      1.428 1.210 1.394 1.388 1.369 1.318 1.306 1.407 1.268 1.349  1.344    5.08
73)  heptane
      0.264 0.212 0.267 0.279 0.269 0.239 0.243 0.269 0.184        0.247   12.71
74)  isopropyl acetate
      0.619 0.554 0.625 0.630 0.627 0.637 0.603 0.618 0.678        0.621    5.21
75)  1,2-dichloroethane
      0.470 0.412 0.465 0.459 0.457 0.428 0.439 0.461 0.429 0.293  0.431   12.07
76)  ethyl acrylate
                                                                   0.000   -1.00
77)  tert amyl ethyl ether
                                                                   0.000   -1.00
78)  trichloroethene
      0.368 0.309 0.366 0.374 0.365 0.322 0.362 0.366 0.266 0.282  0.338   11.89
79)  methylcyclohexane
      0.610 0.500 0.638 0.658 0.649 0.555 0.590 0.636 0.475 0.536  0.585   11.11
80)  2-nitropropane
      0.131 0.121 0.137 0.138 0.138 0.119 0.133 0.135 0.092        0.127   11.83
81)  2-chloroethyl vinyl ether
      0.205 0.178 0.217 0.223 0.223 0.218 0.212 0.213 0.209 0.208  0.210    6.15
82)  methyl methacrylate
      0.092 0.080 0.101 0.100 0.101 0.072 0.098 0.098              0.093   11.67
83)  1,2-dichloropropane
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VU9209-ICC9209
Account: EEENJF Equity Environmental Engineering **Lab FileID:** U199955.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
      0.360 0.317 0.363 0.360 0.356 0.335 0.345 0.359 0.341 0.225  0.336   12.39
 84)  propyl acetate
      0.066 0.066 0.069 0.068 0.067 0.052 0.064 0.069              0.065    8.49
 85)  dibromomethane
      0.225 0.200 0.229 0.227 0.228 0.191 0.222 0.227 0.183        0.215    8.41
 86)  bromodichloromethane
      0.502 0.439 0.501 0.508 0.508 0.483 0.495 0.502 0.413 0.294  0.464   14.61
 87)  cis-1,3-dichloropropene
      0.618 0.534 0.626 0.627 0.634 0.568 0.619 0.616 0.569 0.483  0.589    8.44
 88)  toluene-d8 (s)
      1.243 1.238 1.255 1.255 1.268 1.240 1.255 1.248 1.230 1.244  1.248    0.87
 89)  4-methyl-2-pentanone
      0.136 0.112 0.144 0.139 0.139 0.104 0.133 0.137              0.130   11.12
 90)  toluene
      0.945 0.785 0.930 0.944 0.934 0.833 0.909 0.927 0.814 0.826  0.885    7.04
 91)  3-methyl-1-butanol
      0.016 0.013 0.017 0.018 0.017 0.015 0.016 0.016              0.016   10.17
 92)  trans-1,3-dichloropropene
      0.575 0.495 0.583 0.591 0.592 0.529 0.575 0.578 0.494 0.478  0.549    8.25
 93)  ethyl methacrylate
      0.447 0.375 0.469 0.473 0.479 0.402 0.469 0.451 0.391        0.439    9.00
 94)  1,1,2-trichloroethane
      0.279 0.258 0.285 0.285 0.286 0.262 0.278 0.278 0.271        0.276    3.69
 95)  2-hexanone
      0.134 0.101 0.146 0.145 0.145 0.098 0.138 0.137              0.131   15.08

 96) I   chlorobenzene-d5      ----------------ISTD---------------------
 97)  cyclohexanone
      0.014 0.014 0.012 0.012 0.012 0.018 0.011 0.012              0.013   15.56
 98)  tetrachloroethene
      0.380 0.306 0.371 0.369 0.369 0.333 0.362 0.370 0.259        0.347   11.62
 99)  1,3-dichloropropane
      0.603 0.546 0.593 0.587 0.589 0.535 0.576 0.599 0.560        0.577    4.17
100)  butyl acetate
      0.249 0.205 0.252 0.252 0.253 0.230 0.246 0.245 0.209        0.238    7.91
101)  dibromochloromethane
      0.452 0.391 0.464 0.466 0.471 0.423 0.465 0.448 0.442 0.292  0.431   12.67
102)  1,2-dibromoethane
      0.373 0.336 0.381 0.378 0.382 0.346 0.377 0.370 0.370 0.256  0.357   10.84
103)  3,3-dimethyl-1-Butanol
      0.035 0.030 0.039 0.041 0.039 0.032 0.036 0.036 0.039 0.027  0.036   12.29
104)  n-butyl ether
      1.705 1.425 1.741 1.771 1.773 1.501 1.717 1.694 1.428 1.395  1.615    9.74
105)  chlorobenzene
      1.167 0.998 1.140 1.143 1.139 1.075 1.119 1.141 1.043 0.990  1.096    5.91
106)  1,1,1,2-tetrachloroethane
      0.436 0.380 0.431 0.432 0.428 0.364 0.414 0.429 0.400 0.332  0.405    8.74
107)  ethylbenzene
      1.962 1.688 1.949 1.951 1.934 1.787 1.881 1.927 1.668 1.807  1.855    6.00
108)  m,p-xylene
      0.772 0.647 0.756 0.759 0.747 0.673 0.713 0.752 0.631 0.748  0.720    7.12
109)  o-xylene
      0.745 0.639 0.754 0.758 0.743 0.674 0.705 0.743 0.636 0.589  0.699    8.65
110)  styrene
      1.261 1.045 1.291 1.304 1.292 1.064 1.234 1.253 1.049 1.027  1.182   10.06
111)  bromoform
      0.323 0.279 0.330 0.335 0.339 0.309 0.334 0.324 0.315 0.186  0.307   15.01

112) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
113)  isopropylbenzene
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VU9209-ICC9209
Account: EEENJF Equity Environmental Engineering **Lab FileID:** U199955.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
       4.242 3.572 4.156 4.091 4.005 3.684 3.812 4.145 3.563 3.678  3.895    6.71
114)  4-bromofluorobenzene (s)
       1.070 1.078 1.059 1.041 1.038 1.087 1.004 1.072 1.101 1.053  1.060    2.62
115)  bromobenzene
       1.133 1.006 1.102 1.074 1.049 1.039 0.992 1.112 1.029 1.027  1.056    4.47
116)  1,1,2,2-tetrachloroethane
       1.019 0.913 1.024 1.000 0.983 1.012 0.935 1.015 1.044 0.922  0.987    4.72
117)  trans-1,4-dichloro-2-butene
       0.252 0.210 0.275 0.280 0.282       0.272 0.263              0.262    9.61
118)  1,2,3-trichloropropane
       0.280 0.242 0.276 0.268 0.264 0.238 0.246 0.273              0.261    6.31
119)  n-propylbenzene
       4.768 3.990 4.732 4.628 4.501 4.175 4.216 4.726 4.021 4.523  4.428    6.81
120)  2-chlorotoluene
       1.023 0.874 0.995 0.966 0.935 0.860 0.879 0.984 0.841 0.850  0.921    7.37
121)  4-chlorotoluene
       2.987 2.565 2.937 2.899 2.827 2.749 2.701 2.926 2.695 2.881  2.817    4.76
122)  p-Ethyltoluene
                                                                    0.000   -1.00
123)  1,3,5-trimethylbenzene
       3.444 2.911 3.408 3.368 3.246 3.068 3.058 3.388 2.932 2.881  3.170    7.08
124)  tert-butylbenzene
       3.074 2.595 3.038 2.977 2.869 2.862 2.712 2.987 2.662 2.808  2.859    5.73
125)  pentachloroethane
       0.683 0.581 0.676 0.669 0.662 0.622 0.636 0.672 0.563        0.641    6.80
126)  1,2,4-trimethylbenzene
       3.311 2.835 3.339 3.324 3.228 2.957 3.086 3.316 2.834 2.924  3.115    6.81
127)  1,2,3-trimethylbenzene
                                                                    0.000   -1.00
128)  sec-butylbenzene
       4.354 3.596 4.335 4.338 4.206 3.751 4.006 4.310 3.427 3.930  4.025    8.45
129)  1,3-dichlorobenzene
       1.942 1.676 1.960 1.976 1.939 1.769 1.888 1.960 1.729 1.930  1.877    5.85
130)  p-isopropyltoluene
       3.689 3.077 3.641 3.675 3.580 3.199 3.437 3.628 2.949 3.176  3.405    8.20
131)  1,4-dichlorobenzene
       1.954 1.733 1.944 1.961 1.928 1.895 1.889 1.935 1.903        1.905    3.64
132)  benzyl chloride
       1.925 1.749 1.959 2.013 2.020 2.064 1.945 1.954 2.189 2.752  2.057   13.06
133)  1,2-dichlorobenzene
       1.811 1.552 1.801 1.802 1.799 1.743 1.761 1.806 1.721 1.604  1.740    5.26
134)  p-Diethylbenzene
                                                                    0.000   -1.00
135)  n-butylbenzene
       1.676 1.358 1.700 1.748 1.714 1.355 1.668 1.646 1.298 1.526  1.569   10.90
136)  1,2,4,5-Tetramethylbenzene
                                                                    0.000   -1.00
137)  1,2-dibromo-3-chloropropane
       0.187 0.146 0.195 0.198 0.201 0.150 0.199 0.186              0.183   12.10
138)  1,3,5-trichlorobenzene
       1.413 1.216 1.454 1.484 1.485 1.221 1.441 1.406 1.296 1.237  1.365    8.10
139)  1,2,4-trichlorobenzene
       1.021 0.800 1.121 1.194 1.204 0.844 1.177 1.071              1.054   14.86
140)  hexachlorobutadiene
       0.723 0.575 0.733 0.744 0.736 0.596 0.701 0.718 0.510 0.604  0.664   12.69
141)  naphthalene
       1.896 1.517 2.162 2.317 2.342       2.276 2.012              2.075   14.25
142)  INDANE
                                                                    0.000   -1.00
143)  1,2,3-trichlorobenzene
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VU9209-ICC9209
Account: EEENJF Equity Environmental Engineering **Lab FileID:** U199955.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
       0.703 0.549 0.840 0.909 0.915 0.508 0.868 0.777 0.481        0.728   24.00
             ----- Linear regression -----  Coefficient =  0.9992
               Response Ratio = -0.00241 + 0.87909 *A

144)  hexachloroethane
       0.655 0.553 0.659 0.670 0.660 0.597 0.642 0.653 0.509        0.622    9.08
145)  MMT
                                                                    0.000   -1.00
146)  Bis(chloromethyl)ether
                                                                    0.000   -1.00
147)  Ethylenimine
                                                                    0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MU9209.M          Fri Oct 23 08:48:36 2015   U_CORE
```

6.9.1

6

Initial Calibration Verification

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VU9209-ICV9209
Lab FileID: U199960.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\u199960.D Vial: 14
Acq On : 22 Oct 2015 10:01 pm Operator: NicoleH1
Sample : ICV9209-50 Inst : MSU
Misc : ms93099,vu9209,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MU9209.M (RTE Integrator)
Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
Last Update : Fri Oct 23 08:46:35 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	102	0.01	7.87
2	M	tertiary butyl alcohol	1.119	1.187	-6.1	104	0.00	7.97
3		Ethanol		----------NA----------				
4	m	1,4-dioxane	0.092	0.092	0.0	94	0.00	11.72
5	I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	10.07
6	M	freon 115		----------NA----------				
7	M	freon 23		----------NA----------				
8	M	freon 143A		----------NA----------				
9	M	freon 152A		----------NA----------				
10	M	chlorotrifluoroethene		----------NA----------				
11	M	chlorodifluoromethane	0.382	0.269	29.6	65	0.00	4.39
12	M	dichlorodifluoromethane	0.458	0.447	2.4	89	0.00	4.36
13	M	freon 142B		----------NA----------				
14	M	freon 114		----------NA----------				
15	M	chloromethane	0.547	0.509	6.9	97	-0.01	4.76
16	M	vinyl chloride	0.483	0.479	0.8	97	0.00	5.04
17	M	acetaldehyde		----------NA----------				
18	M	bromomethane	0.334	0.336	-0.6	101	0.00	5.69
19	M	chloroethane	0.265	0.266	-0.4	101	0.00	5.87
20	M	trichlorofluoromethane	0.649	0.638	1.7	96	0.00	6.31
21	M	pentane		----------NA----------				
22	M	freon 123A		----------NA----------				
23	M	ethyl ether	0.210	0.226	-7.6	103	0.00	6.74
24		2-CHLOROPROPANE	0.677	0.725	-7.1	101	0.00	6.97
25	M	freon 141B		----------NA----------				
26	M	freon 123		----------NA----------				
27	M	acrolein	0.070	0.072	-2.9	101	0.00	7.03
28	M	1,1-dichloroethene	0.349	0.376	-7.7	102	0.00	7.19
29	M	acetone	0.031	0.033	-6.5	102	0.00	7.25
30	M	allyl chloride	0.204	0.221	-8.3	104	0.00	7.72
31	M	acetonitrile	0.034	0.031	8.8	100	0.00	7.72
32	M	iodomethane	0.675	0.725	-7.4	102	0.00	7.49
33	M	carbon disulfide	1.259	1.314	-4.4	101	0.00	7.61
34		1-CHLOROPROPANE	0.032	0.032	0.0	100	0.00	7.95
35	M	methylene chloride	0.401	0.425	-6.0	101	0.00	7.92
36	M	methyl acetate	0.269	0.295	-9.7	105	0.00	7.70
37	M	methyl tert butyl ether	1.213	1.210	0.3	100	0.00	8.22
38	M	trans-1,2-dichloroethene	0.382	0.411	-7.6	101	0.00	8.28
39	M	di-isopropyl ether	1.253	1.275	-1.8	102	0.00	8.79
40	M	ethyl tert-butyl ether	1.288	1.309	-1.6	102	0.00	9.25
41	M	2-butanone	0.046	0.046	0.0	100	0.00	9.54

Initial Calibration Verification

Job Number: JC10922 **Sample:** VU9209-ICV9209
Account: EEENJF Equity Environmental Engineering **Lab FileID:** U199960.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

42	M	1,1-dichloroethane	0.677	0.729	-7.7	101	0.00	8.85
43	M	chloroprene	0.544	0.702	-29.0	120	0.00	8.95
44	M	acrylonitrile	0.137	0.149	-8.8	103	0.00	8.26
45	M	vinyl acetate	0.075	0.076	-1.3	102	0.00	8.82
46	M	ethyl acetate	0.055	0.059	-7.3	103	0.00	9.54
47	M	2,2-dichloropropane	0.588	0.584	0.7	96	0.00	9.58
48	M	cis-1,2-dichloroethene	0.422	0.454	-7.6	101	0.00	9.58
49	M	methyl acrylate	0.062	0.063	-1.6	101	0.00	9.63
50	M	propionitrile	0.056	0.057	-1.8	101	0.00	9.66
51	M	bromochloromethane	0.214	0.229	-7.0	101	0.00	9.89
52	M	tetrahydrofuran	0.132	0.139	-5.3	103	0.00	9.92
53	M	chloroform	0.676	0.714	-5.6	101	0.00	9.94
54		tert-butyl Formate	0.349	0.455	-30.4#	126	0.00	9.97
55	M	iso-butyl alcohol	0.018	0.018	0.0	100	0.00	10.36
56	S	dibromofluoromethane (s)	0.371	0.374	-0.8	103	0.00	10.15
57	S	1,2-dichloroethane-d4 (s)	0.411	0.414	-0.7	103	0.00	10.57
58	M	freon 113	0.289	0.295	-2.1	93	0.00	7.15
59	M	methacrylonitrile	0.227	0.237	-4.4	101	0.00	9.83
60	M	1,1,1-trichloroethane	0.598	0.647	-8.2	101	0.00	10.19
61	M	tert amyl alcohol		----------NA----------				
62	M	tert-amyl methyl ether	0.285	0.301	-5.6	103	0.00	10.64
63		iso-octane	1.475	1.300	11.9	81	0.00	10.59
64	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	10.99
65	M	Di-isobutylene		----------NA----------				
66	M	epichlorohydrin	0.034	0.036	-5.9	105	0.00	12.28
67	M	n-butyl alcohol	0.010	0.011	-10.0	102	0.00	11.11
68	M	Cyclohexane	0.513	0.521	-1.6	97	0.00	10.26
69	M	carbon tetrachloride	0.468	0.504	-7.7	100	0.00	10.39
70	M	1,1-dichloropropene	0.429	0.466	-8.6	100	0.00	10.36
71	M	hexane	0.429	0.327	23.8	69	0.00	8.55
72	M	benzene	1.344	1.362	-1.3	102	0.00	10.63
73	M	heptane	0.247	0.227	8.1	84	0.00	10.76
74	M	isopropyl acetate	0.621	0.667	-7.4	110	0.00	10.52
75	M	1,2-dichloroethane	0.431	0.444	-3.0	100	0.00	10.65
76	M	ethyl acrylate		----------NA----------				
77		tert amyl ethyl ether		----------NA----------				
78	M	trichloroethene	0.338	0.361	-6.8	100	0.00	11.33
79	M	methylcyclohexane	0.585	0.560	4.3	88	0.00	11.55
80	M	2-nitropropane	0.127	0.137	-7.9	103	0.00	12.14
81	M	2-chloroethyl vinyl ether	0.210	0.236	-12.4	110	0.00	12.14
82	M	methyl methacrylate	0.093	0.098	-5.4	101	0.00	11.59
83	M	1,2-dichloropropane	0.336	0.357	-6.2	102	0.00	11.62
84	M	propyl acetate	0.065	0.070	-7.7	106	0.00	11.63
85	M	dibromomethane	0.215	0.219	-1.9	100	0.00	11.78
86	M	bromodichloromethane	0.464	0.490	-5.6	100	0.00	11.91
87	M	cis-1,3-dichloropropene	0.589	0.610	-3.6	101	0.00	12.37
88	S	toluene-d8 (s)	1.248	1.256	-0.6	104	0.00	12.67
89	M	4-methyl-2-pentanone	0.130	0.137	-5.4	102	0.00	12.46
90	M	toluene	0.885	0.918	-3.7	101	0.00	12.75
91	M	3-methyl-1-butanol	0.016	0.018	-12.5	103	0.00	12.48
92	M	trans-1,3-dichloropropene	0.549	0.570	-3.8	100	0.00	12.96
93	M	ethyl methacrylate	0.439	0.464	-5.7	102	0.00	12.93
94	M	1,1,2-trichloroethane	0.276	0.279	-1.1	101	0.00	13.20
95	M	2-hexanone	0.131	0.143	-9.2	102	0.00	13.37
96	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	14.31
97	M	cyclohexanone	0.013	0.011	15.4	93	0.00	15.57
98	M	tetrachloroethene	0.347	0.363	-4.6	101	0.00	13.37
99	M	1,3-dichloropropane	0.577	0.578	-0.2	101	0.00	13.40

Initial Calibration Verification

Job Number: JC10922 **Sample:** VU9209-ICV9209
Account: EEENJF Equity Environmental Engineering **Lab FileID:** U199960.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

100	M	butyl acetate	0.238	0.269	-13.0	109	0.00	13.43
101	M	dibromochloromethane	0.431	0.456	-5.8	100	0.00	13.69
102	M	1,2-dibromoethane	0.357	0.374	-4.8	102	0.00	13.86
103		3,3-dimethyl-1-Butanol	0.036	0.041	-13.9	102	0.00	13.55
104		n-butyl ether	1.615	1.757	-8.8	102	0.00	14.20
105	M	chlorobenzene	1.096	1.131	-3.2	101	0.00	14.35
106	M	1,1,1,2-tetrachloroethane	0.405	0.425	-4.9	101	0.00	14.41
107	M	ethylbenzene	1.855	1.923	-3.7	101	0.00	14.39
108	M	m,p-xylene	0.720	0.744	-3.3	101	0.00	14.51
109	M	o-xylene	0.699	0.736	-5.3	100	0.00	14.98
110	M	styrene	1.182	1.268	-7.3	100	0.00	14.99
111	M	bromoform	0.307	0.328	-6.8	100	0.00	15.31
112	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	16.89
113	M	isopropylbenzene	3.895	4.041	-3.7	100	0.00	15.35
114	S	4-bromofluorobenzene (s)	1.060	1.042	1.7	101	0.00	15.59
115	M	bromobenzene	1.056	1.063	-0.7	100	0.00	15.81
116	M	1,1,2,2-tetrachloroethane	0.987	0.967	2.0	98	0.00	15.71
117	M	trans-1,4-dichloro-2-bute	0.262	0.269	-2.7	97	0.00	15.75
118	M	1,2,3-trichloropropane	0.261	0.267	-2.3	101	0.00	15.79
119	M	n-propylbenzene	4.428	4.558	-2.9	100	0.00	15.80
120	M	2-chlorotoluene	0.921	0.946	-2.7	99	0.00	15.98
121	M	4-chlorotoluene	2.817	2.825	-0.3	99	0.00	16.09
122		p-Ethyltoluene		----------NA----------				
123	M	1,3,5-trimethylbenzene	3.170	3.289	-3.8	99	0.00	15.97
124	M	tert-butylbenzene	2.859	2.906	-1.6	99	0.00	16.36
125	M	pentachloroethane	0.641	0.658	-2.7	100	0.00	16.47
126	M	1,2,4-trimethylbenzene	3.115	3.242	-4.1	99	0.00	16.41
127		1,2,3-trimethylbenzene		----------NA----------				
128	M	sec-butylbenzene	4.025	4.231	-5.1	99	0.00	16.59
129	M	1,3-dichlorobenzene	1.877	1.926	-2.6	99	0.00	16.82
130	M	p-isopropyltoluene	3.405	3.564	-4.7	98	0.00	16.72
131	M	1,4-dichlorobenzene	1.905	1.909	-0.2	99	0.00	16.92
132	M	benzyl chloride	2.057	1.886	8.3	95	0.00	17.05
133	M	1,2-dichlorobenzene	1.740	1.776	-2.1	100	0.00	17.36
134		p-Diethylbenzene		----------NA----------				
135	M	n-butylbenzene	1.569	1.681	-7.1	97	0.00	17.19
136		1,2,4,5-Tetramethylbenzen		----------NA----------				
137	M	1,2-dibromo-3-chloropropa	0.183	0.194	-6.0	100	0.00	18.22
138		1,3,5-trichlorobenzene	1.365	1.449	-6.2	99	0.00	18.40
139	M	1,2,4-trichlorobenzene	1.054	1.157	-9.8	98	0.00	19.14
140	M	hexachlorobutadiene	0.664	0.720	-8.4	98	0.00	19.25
141	M	naphthalene	2.075	2.271	-9.4	99	0.00	19.47
142		INDANE		----------NA----------				
		----------	True	Calc.	% Drift	----------		
143	M	1,2,3-trichlorobenzene	50.000	50.730	-1.5	99	0.00	19.74
		----------	AvgRF	CCRF	% Dev	----------		
144	M	hexachloroethane	0.622	0.649	-4.3	98	0.00	17.64
145	M	MMT		----------NA----------				
146	M	Bis(chloromethyl)ether		----------NA----------				
147	M	Ethylenimine		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
u199955.D MU9209.M Fri Oct 23 08:48:26 2015 U_CORE

Continuing Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VU9293-CC9209
Lab FileID: U201918.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\U\vu9292-9293\u201918.D    Vial: 24
Acq On    : 22 Dec 2015   8:17 pm                    Operator: NicoleH1
Sample    : CC9209-50                                Inst    : MSU
Misc      : ms96371,vu9293,5.0,,,,1                  Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\MSDCHEM\1\METHODS\MU9209.M (RTE Integrator)
Title        : SW-846  8260B, ZB624  60m x 250um x 1.40um
Last Update  : Fri Oct 23 08:46:35 2015
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	72	0.01	7.87
2	M	tertiary butyl alcohol	1.119	1.266	-13.1	78	0.00	7.98
3		Ethanol		----------NA----------				
4	m	1,4-dioxane	0.092	0.071	22.8#	51	0.00	11.73
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	10.06
6	M	freon 115		----------NA----------				
7	M	freon 23		----------NA----------				
8	M	freon 143A		----------NA----------				
9	M	freon 152A		----------NA----------				
10	M	chlorotrifluoroethene		----------NA----------				
11	M	chlorodifluoromethane	0.382	0.342	10.5	81	0.00	4.39
12	M	dichlorodifluoromethane	0.458	0.456	0.4	89	0.00	4.36
13	M	freon 142B		----------NA----------				
14	M	freon 114		----------NA----------				
15	M	chloromethane	0.547	0.543	0.7	102	-0.01	4.76
16	M	vinyl chloride	0.483	0.487	-0.8	97	0.00	5.03
17	M	acetaldehyde		----------NA----------				
18	M	bromomethane	0.334	0.355	-6.3	105	0.00	5.70
19	M	chloroethane	0.265	0.280	-5.7	105	0.00	5.88
20	M	trichlorofluoromethane	0.649	0.596	8.2	89	0.00	6.30
21	M	pentane		----------NA----------				
22	M	freon 123A		----------NA----------				
23	M	ethyl ether	0.210	0.222	-5.7	100	0.00	6.74
24		2-CHLOROPROPANE	0.677	0.710	-4.9	98	0.00	6.96
25	M	freon 141B		----------NA----------				
26	M	freon 123		----------NA----------				
27	M	acrolein	0.070	0.076	-8.6	105	0.00	7.04
28	M	1,1-dichloroethene	0.349	0.374	-7.2	100	0.00	7.19
29	M	acetone	0.031	0.031	0.0	95	0.00	7.25
30	M	allyl chloride	0.204	0.254	-24.5#	118	0.00	7.72
31	M	acetonitrile	0.034	0.027	20.6#	86	0.00	7.72
32	M	iodomethane	0.675	0.724	-7.3	100	0.00	7.49
33	M	carbon disulfide	1.259	1.318	-4.7	100	0.00	7.61
34		1-CHLOROPROPANE	0.032	0.035	-9.4	106	0.00	7.95
35	M	methylene chloride	0.401	0.439	-9.5	104	0.00	7.92
36	M	methyl acetate	0.269	0.294	-9.3	103	0.00	7.70
37	M	methyl tert butyl ether	1.213	1.170	3.5	95	0.00	8.21
38	M	trans-1,2-dichloroethene	0.382	0.424	-11.0	103	0.00	8.28
39	M	di-isopropyl ether	1.253	1.309	-4.5	103	0.00	8.79
40	M	ethyl tert-butyl ether	1.288	1.279	0.7	99	0.00	9.25
41	M	2-butanone	0.046	0.048	-4.3	101	0.00	9.54

Continuing Calibration Summary

Job Number: JC10922 **Sample:** VU9293-CC9209
Account: EEENJF Equity Environmental Engineering **Lab FileID:** U201918.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

42	M	1,1-dichloroethane	0.677	0.732	-8.1	100	0.00	8.85
43	M	chloroprene	0.544	0.544	0.0	92	0.00	8.95
44	M	acrylonitrile	0.137	0.155	-13.1	106	0.00	8.25
45	M	vinyl acetate	0.075	0.075	0.0	99	0.00	8.81
46	M	ethyl acetate	0.055	0.060	-9.1	104	0.00	9.54
47	M	2,2-dichloropropane	0.588	0.570	3.1	92	0.00	9.57
48	M	cis-1,2-dichloroethene	0.422	0.458	-8.5	101	0.00	9.58
49	M	methyl acrylate	0.062	0.061	1.6	98	-0.01	9.62
50	M	propionitrile	0.056	0.059	-5.4	103	0.00	9.66
51	M	bromochloromethane	0.214	0.228	-6.5	100	0.00	9.89
52	M	tetrahydrofuran	0.132	0.138	-4.5	101	0.00	9.92
53	M	chloroform	0.676	0.707	-4.6	98	0.00	9.94
54		tert-butyl Formate	0.349	0.362	-3.7	99	0.00	9.96
55	M	iso-butyl alcohol	0.018	0.015	16.7	82	0.00	10.36
56	S	dibromofluoromethane (s)	0.371	0.363	2.2	99	0.00	10.14
57	S	1,2-dichloroethane-d4 (s)	0.411	0.382	7.1	93	0.00	10.56
58	M	freon 113	0.289	0.274	5.2	85	0.00	7.15
59	M	methacrylonitrile	0.227	0.253	-11.5	106	0.00	9.83
60	M	1,1,1-trichloroethane	0.598	0.603	-0.8	93	0.00	10.19
61	M	tert amyl alcohol		----------NA----------				
62	M	tert-amyl methyl ether	0.285	0.291	-2.1	99	0.00	10.63
63		iso-octane	1.475	1.431	3.0	88	0.00	10.59
64	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00	10.98
65	M	Di-isobutylene		----------NA----------				
66	M	epichlorohydrin	0.034	0.035	-2.9	99	0.00	12.28
67	M	n-butyl alcohol	0.010	0.008	20.0	76	0.00	11.10
68	M	Cyclohexane	0.513	0.533	-3.9	95	0.00	10.25
69	M	carbon tetrachloride	0.468	0.496	-6.0	95	0.00	10.38
70	M	1,1-dichloropropene	0.429	0.461	-7.5	96	0.00	10.36
71	M	hexane	0.429	0.413	3.7	84	0.00	8.55
72	M	benzene	1.344	1.421	-5.7	102	0.00	10.63
73	M	heptane	0.247	0.241	2.4	86	0.00	10.75
74	M	isopropyl acetate	0.621	0.653	-5.2	103	0.00	10.52
75	M	1,2-dichloroethane	0.431	0.433	-0.5	94	0.00	10.65
76	M	ethyl acrylate		----------NA----------				
77		tert amyl ethyl ether		----------NA----------				
78	M	trichloroethene	0.338	0.368	-8.9	98	0.00	11.33
79	M	methylcyclohexane	0.585	0.596	-1.9	90	0.00	11.54
80	M	2-nitropropane	0.127	0.129	-1.6	93	0.00	12.13
81	M	2-chloroethyl vinyl ether	0.210	0.232	-10.5	104	0.00	12.13
82	M	methyl methacrylate	0.093	0.102	-9.7	102	0.00	11.59
83	M	1,2-dichloropropane	0.336	0.384	-14.3	106	0.00	11.61
84	M	propyl acetate	0.065	0.069	-6.2	101	0.00	11.62
85	M	dibromomethane	0.215	0.229	-6.5	100	0.00	11.78
86	M	bromodichloromethane	0.464	0.509	-9.7	100	0.00	11.90
87	M	cis-1,3-dichloropropene	0.589	0.637	-8.1	101	0.00	12.37
88	S	toluene-d8 (s)	1.248	1.252	-0.3	99	0.00	12.67
89	M	4-methyl-2-pentanone	0.130	0.151	-16.2	108	0.00	12.46
90	M	toluene	0.885	0.955	-7.9	101	0.00	12.75
91	M	3-methyl-1-butanol	0.016	0.014	12.5	78	0.00	12.47
92	M	trans-1,3-dichloropropene	0.549	0.593	-8.0	100	0.00	12.96
93	M	ethyl methacrylate	0.439	0.497	-13.2	105	0.00	12.92
94	M	1,1,2-trichloroethane	0.276	0.303	-9.8	106	0.00	13.20
95	M	2-hexanone	0.131	0.156	-19.1	107	0.00	13.36
96	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	14.31
97	M	cyclohexanone	0.013	0.008	38.5#	67	-0.01	15.56
98	M	tetrachloroethene	0.347	0.383	-10.4	103	0.00	13.37
99	M	1,3-dichloropropane	0.577	0.612	-6.1	104	0.00	13.39

Continuing Calibration Summary

Job Number: JC10922 **Sample:** VU9293-CC9209
Account: EEENJF Equity Environmental Engineering **Lab FileID:** U201918.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

100	M	butyl acetate	0.238	0.272	-14.3	107	0.00	13.43
101	M	dibromochloromethane	0.431	0.475	-10.2	102	0.00	13.69
102	M	1,2-dibromoethane	0.357	0.395	-10.6	104	0.00	13.85
103		3,3-dimethyl-1-Butanol	0.036	0.031	13.9	74	0.00	13.55
104		n-butyl ether	1.615	1.859	-15.1	105	0.00	14.20
105	M	chlorobenzene	1.096	1.175	-7.2	102	0.00	14.35
106	M	1,1,1,2-tetrachloroethane	0.405	0.443	-9.4	102	0.00	14.41
107	M	ethylbenzene	1.855	1.983	-6.9	101	0.00	14.39
108	M	m,p-xylene	0.720	0.784	-8.9	103	0.00	14.50
109	M	o-xylene	0.699	0.778	-11.3	102	0.00	14.97
110	M	styrene	1.182	1.362	-15.2	104	0.00	14.98
111	M	bromoform	0.307	0.361	-17.6	107	0.00	15.30
112	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	16.89
113	M	isopropylbenzene	3.895	3.834	1.6	102	0.00	15.34
114	S	4-bromofluorobenzene (s)	1.060	0.935	11.8	98	0.00	15.58
115	M	bromobenzene	1.056	1.086	-2.8	110	0.00	15.81
116	M	1,1,2,2-tetrachloroethane	0.987	1.006	-1.9	110	0.00	15.70
117	M	trans-1,4-dichloro-2-bute	0.262	0.255	2.7	99	0.00	15.75
118	M	1,2,3-trichloropropane	0.261	0.268	-2.7	109	-0.01	15.79
119	M	n-propylbenzene	4.428	4.545	-2.6	107	0.00	15.80
120	M	2-chlorotoluene	0.921	0.965	-4.8	109	0.00	15.98
121	M	4-chlorotoluene	2.817	2.755	2.2	103	0.00	16.09
122		p-Ethyltoluene		----------NA----------				
123	M	1,3,5-trimethylbenzene	3.170	3.183	-0.4	103	0.00	15.96
124	M	tert-butylbenzene	2.859	2.950	-3.2	108	0.00	16.35
125	M	pentachloroethane	0.641	0.673	-5.0	110	0.00	16.46
126	M	1,2,4-trimethylbenzene	3.115	3.277	-5.2	107	0.00	16.41
127		1,2,3-trimethylbenzene		----------NA----------				
128	M	sec-butylbenzene	4.025	4.210	-4.6	106	0.00	16.59
129	M	1,3-dichlorobenzene	1.877	1.997	-6.4	110	0.00	16.82
130	M	p-isopropyltoluene	3.405	3.593	-5.5	106	0.00	16.72
131	M	1,4-dichlorobenzene	1.905	1.999	-4.9	111	0.00	16.91
132	M	benzyl chloride	2.057	1.873	8.9	101	0.00	17.04
133	M	1,2-dichlorobenzene	1.740	1.853	-6.5	112	0.00	17.35
134		p-Diethylbenzene		----------NA----------				
135	M	n-butylbenzene	1.569	1.771	-12.9	110	0.00	17.18
136		1,2,4,5-Tetramethylbenzen		----------NA----------				
137	M	1,2-dibromo-3-chloropropa	0.183	0.197	-7.7	109	0.00	18.21
138		1,3,5-trichlorobenzene	1.365	1.470	-7.7	108	0.00	18.40
139	M	1,2,4-trichlorobenzene	1.054	1.236	-17.3	113	0.00	19.14
140	M	hexachlorobutadiene	0.664	0.710	-6.9	104	0.00	19.25
141	M	naphthalene	2.075	2.434	-17.3	114	0.00	19.46
142		INDANE		----------NA----------				
		----------	True	Calc.	% Drift	----------		
143	M	1,2,3-trichlorobenzene	50.000	57.499	-15.0	121	0.00	19.74
		----------	AvgRF	CCRF	% Dev	----------		
144	M	hexachloroethane	0.622	0.680	-9.3	111	0.00	17.63
145	M	MMT		----------NA----------				
146	M	Bis(chloromethyl)ether		----------NA----------				
147	M	Ethylenimine		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
u199955.D MU9209.M Wed Dec 23 10:04:20 2015 T

6.9.3

6

Initial Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VV6633-ICC6633
Lab FileID: V156935.D

Response Factor Report MSV

```
Method       : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title        : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update  : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Calibration Files
1   =V156930.D   4   =V156932.D   100 =V156936.D   50  =V156935.D
20  =V156934.D   200 =V156937.D   8   =V156933.D   0.5 =V156929.D
2   =V156931.D       =

 Compound
           1     4     100   50    20    200   8     0.5   2       Avg    %RSD
-------------------------------------------------------------------------------

1) I   Tert Butyl Alcohol-d9 ----------------ISTD---------------------
2)  tertiary butyl alcohol
          1.553 1.256 1.245 1.232 1.225 1.194 1.205       1.357   1.284    9.33
3)  1,4-dioxane
          0.057 0.098 0.105 0.099 0.097 0.096 0.096       0.088   0.092   16.30

4) I   pentafluorobenzene    ----------------ISTD---------------------
5)  propene
                                                                      0.000   -1.00
6)  chlorodifluoromethane  **This compound does not meet initial calibration criteria
          0.823 0.711 0.691 0.696 0.688 0.698 0.667       0.817   0.724    8.37
7)  dichlorodifluoromethane
                0.849 0.798 0.780 0.829 0.767 0.828       0.825   0.811    3.69
8)  chloromethane
                0.753 0.762 0.729 0.717 0.771 0.737       0.791   0.751    3.43
9)  vinyl chloride
                0.758 0.787 0.756 0.743 0.786 0.764       0.794   0.770    2.50
10)  1,3-butadiene
                                                                      0.000   -1.00
11)  bromomethane
                0.462 0.454 0.451 0.416 0.431 0.431       0.428   0.439    3.81
12)  chloroethane
                0.377 0.351 0.347 0.335 0.347 0.349       0.359   0.352    3.72
13)  trichlorofluoromethane
                0.776 0.784 0.767 0.774 0.748 0.785       0.770   0.772    1.63
14)  vinyl bromide
                                                                      0.000   -1.00
15)  ethyl ether
          0.220 0.218 0.204 0.208 0.207 0.209 0.206       0.220   0.211    3.25
16)  2-chloropropane
                0.822 0.806 0.806 0.805 0.806 0.829       0.946   0.831    6.18
17)  acrolein
                0.078 0.072 0.070 0.070 0.073 0.069       0.070   0.072    4.54
18)  freon 113
                0.363 0.349 0.342 0.361 0.347 0.340       0.384   0.355    4.29
19)  1,1-dichloroethene
          0.734 0.692 0.669 0.656 0.652 0.655 0.677       0.668   0.676    4.01
20)  acetone
                      0.030 0.031 0.033 0.031 0.040               0.033   12.60
21)  iso-butyl alcohol
                0.014 0.015 0.014 0.014 0.015 0.013       0.015   0.014    3.39
22)  allyl chloride
                0.246 0.230 0.249 0.242 0.234 0.215       0.226   0.235    5.17
23)  acetonitrile
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VV6633-ICC6633
Account: EEENJF Equity Environmental Engineering **Lab FileID:** V156935.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
                0.118 0.108 0.109 0.107 0.110 0.109       0.118   0.111    4.13
24)  iodomethane
          0.925 0.888 0.890 0.892 0.850 0.862 0.906       0.842   0.882    3.20
25)  carbon disulfide
          1.786 1.734 1.695 1.658 1.664 1.634 1.769       1.680   1.702    3.21
26)  methylene chloride
          0.688 0.529 0.476 0.478 0.477 0.464 0.507       0.602   0.527   14.91
27)  1-chloropropane
                0.895 0.753 0.749 0.776 0.741 0.849               0.794    8.00
28)  methyl acetate
                0.232 0.227 0.235 0.236 0.242 0.243               0.236    2.60
29)  methyl tert butyl ether
          1.686 1.461 1.426 1.435 1.409 1.481 1.377 1.650 1.387   1.479    7.59
30)  trans-1,2-dichloroethene
          0.684 0.689 0.631 0.622 0.639 0.608 0.646 0.627 0.629   0.642    4.28
31)  di-isopropyl ether
          1.560 1.561 1.552 1.504 1.482 1.540 1.461       1.531   1.524    2.46
32)  2-butanone
                0.043 0.040 0.039 0.039 0.043 0.035       0.042   0.040    6.80
33)  1,1-dichloroethane
          0.741 0.803 0.776 0.759 0.745 0.754 0.783 0.837 0.736   0.771    4.31
34)  chloroprene
          0.636 0.584 0.601 0.572 0.563 0.584 0.575       0.634   0.594    4.70
35)  acrylonitrile
                0.134 0.120 0.117 0.120 0.126 0.116       0.125   0.123    5.05
36)  vinyl acetate
                      0.063 0.061 0.060 0.065 0.059               0.061    4.31
37)  ethyl tert-butyl ether
          1.454 1.503 1.529 1.517 1.451 1.580 1.401       1.499   1.492    3.71
38)  ethyl acetate
                0.051 0.040 0.041 0.045 0.044 0.042       0.049   0.045    9.36
39)  2,2-dichloropropane
          0.894 0.833 0.765 0.757 0.774 0.767 0.793       0.847   0.804    6.12
40)  cis-1,2-dichloroethene
          0.704 0.499 0.479 0.472 0.467 0.476 0.487       0.423   0.501   16.95
41)  propionitrile
                0.048 0.046 0.045 0.047 0.051 0.044       0.042   0.046    6.17
42)  methyl acrylate
                0.046 0.046 0.044 0.047 0.051 0.042       0.034   0.044   11.82
43)  methacrylonitrile
                0.130 0.124 0.128 0.132 0.138 0.117       0.131   0.128    5.14
44)  bromochloromethane
          0.239 0.215 0.221 0.224 0.222 0.225 0.213 0.215 0.223   0.222    3.51
45)  tetrahydrofuran
                0.142 0.117 0.116 0.116 0.127 0.125       0.152   0.128   11.17
46)  chloroform
          0.788 0.773 0.740 0.739 0.732 0.744 0.751 0.781 0.770   0.758    2.71
47)  tert-Butyl Formate
          0.325 0.320 0.354 0.350 0.328 0.387 0.312       0.336   0.339    7.12
48)  dibromofluoromethane (s)
          0.400 0.399 0.404 0.394 0.388 0.398 0.395 0.397 0.398   0.397    1.09
49)  1,2-dichloroethane-d4 (s)
          0.386 0.390 0.402 0.385 0.388 0.424 0.383 0.382 0.393   0.392    3.36
50)  1,1,1-trichloroethane
          0.813 0.776 0.769 0.756 0.764 0.774 0.762 0.846 0.778   0.782    3.71
51)  Cyclohexane
          0.801 0.769 0.746 0.712 0.758 0.743 0.737       0.792   0.757    3.88

52) I   1,4-difluorobenzene   ----------------ISTD---------------------
53)  methylcyclohexane
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VV6633-ICC6633
Account: EEENJF Equity Environmental Engineering **Lab FileID:** V156935.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
          0.655 0.647 0.644 0.607 0.647 0.641 0.636       0.626   0.638    2.36
54)  epichlorohydrin
                0.024 0.025 0.025 0.026 0.028 0.026       0.032   0.027   10.01
55)  n-butyl alcohol
                0.010 0.010 0.009 0.010 0.011 0.008       0.009   0.010   10.73
56)  carbon tetrachloride
          0.591 0.566 0.547 0.540 0.557 0.561 0.563 0.626 0.506   0.562    5.92
57)  1,1-dichloropropene
          0.454 0.447 0.434 0.428 0.434 0.440 0.439 0.496 0.432   0.445    4.68
58)  hexane
                0.397 0.339 0.328 0.369 0.326 0.359       0.438   0.365   11.17
59)  2,2,4-Trimethylpentane
          1.311 1.333 1.369 1.257 1.303 1.364 1.220       1.317   1.309    3.86
60)  benzene
          1.479 1.426 1.380 1.362 1.382 1.394 1.386 1.602 1.325   1.415    5.79
61)  tert-amyl methyl ether
          1.286 1.205 1.198 1.176 1.159 1.268 1.127       1.248   1.208    4.57
62)  heptane
          0.304 0.232 0.219 0.209 0.236 0.215 0.213       0.242   0.234   13.12
63)  isopropyl acetate
                0.080 0.106 0.108 0.121 0.116 0.094               0.104   14.59
64)  1,2-dichloroethane
          0.411 0.427 0.407 0.411 0.415 0.422 0.414 0.378 0.380   0.407    4.20
65)  ethyl acrylate
                                                                  0.000   -1.00
66)  trichloroethene
          0.353 0.344 0.330 0.327 0.327 0.336 0.331 0.392 0.315   0.340    6.60
67)  2-chloroethyl vinyl ether
          0.157 0.156 0.160 0.157 0.158 0.175 0.146       0.150   0.157    5.46
68)  methyl methacrylate
          0.058 0.058 0.067 0.066 0.066 0.075 0.063       0.067   0.065    8.43
69)  1,2-dichloropropane
          0.333 0.334 0.333 0.328 0.332 0.339 0.338 0.320 0.312   0.330    2.68
70)  dibromomethane
          0.207 0.187 0.191 0.187 0.192 0.196 0.199 0.193 0.188   0.193    3.38
71)  bromodichloromethane
          0.482 0.459 0.458 0.449 0.440 0.459 0.448 0.423 0.420   0.449    4.29
72)  2-nitropropane
                0.111 0.103 0.100 0.104 0.115 0.097       0.122   0.107    8.38
73)  cis-1,3-dichloropropene
          0.513 0.513 0.505 0.494 0.503 0.522 0.494 0.508 0.486   0.504    2.27
74)  toluene-d8 (s)
          1.200 1.210 1.231 1.199 1.235 1.228 1.205 1.200 1.189   1.211    1.37
75)  4-methyl-2-pentanone
                0.107 0.112 0.109 0.117 0.126 0.104       0.112   0.113    6.42
76)  toluene
          1.018 0.881 0.844 0.818 0.834 0.850 0.827       0.851   0.865    7.47
77)  isoamyl alcohol
                0.018 0.016 0.015 0.017 0.019 0.014       0.021   0.017   14.50
78)  trans-1,3-dichloropropene
          0.445 0.433 0.441 0.435 0.435 0.458 0.411 0.454 0.425   0.438    3.29
79)  ethyl methacrylate
          0.445 0.359 0.351 0.346 0.357 0.374 0.337       0.353   0.365    9.33
80)  1,1,2-trichloroethane
          0.235 0.210 0.210 0.209 0.217 0.218 0.208 0.249 0.210   0.219    6.47
81)  2-hexanone
                0.100 0.097 0.085 0.102 0.102 0.080       0.084   0.093   10.49

82) I   chlorobenzene-d5      ----------------ISTD---------------------
83)  tetrachloroethene
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VV6633-ICC6633
Account: EEENJF Equity Environmental Engineering **Lab FileID:** V156935.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
           0.445 0.423 0.437 0.430 0.438 0.426 0.426 0.435 0.408   0.430    2.47
 84)  1,3-dichloropropane
           0.506 0.460 0.461 0.459 0.457 0.472 0.442 0.464 0.445   0.463    4.02
 85)  butyl acetate
                 0.194 0.190 0.186 0.191 0.201 0.182       0.202   0.192    3.79
 86)  3,3-Dimethyl-1-Butanol
                 0.036 0.034 0.033 0.035 0.039 0.030       0.038   0.035    8.65
 87)  dibromochloromethane
           0.380 0.342 0.379 0.368 0.367 0.386 0.366 0.391 0.337   0.368    5.03
 88)  1,2-dibromoethane
           0.301 0.281 0.287 0.283 0.290 0.297 0.288 0.294 0.259   0.287    4.21
 89)  chlorobenzene
           1.043 1.002 1.003 1.006 1.016 1.007 1.038 1.102 0.973   1.021    3.60
 90)  1,1,1,2-tetrachloroethane
           0.485 0.462 0.475 0.468 0.460 0.485 0.476 0.489 0.473   0.475    2.13
 91)  ethylbenzene
           1.981 1.821 1.810 1.809 1.842 1.830 1.850 2.277 1.776   1.888    8.30
 92)  m,p-xylene
           0.784 0.732 0.737 0.721 0.733 0.721 0.744 0.880 0.726   0.753    6.79
 93)  o-xylene
           0.758 0.807 0.809 0.793 0.804 0.790 0.797 0.843 0.748   0.794    3.55
 94)  styrene
           1.326 1.202 1.186 1.193 1.194 1.169 1.192 1.419 1.138   1.224    7.29
 95)  bromoform
           0.288 0.253 0.261 0.255 0.257 0.272 0.256 0.272 0.257   0.263    4.38
 96)  cyclohexanone
                 0.024 0.017 0.017 0.019 0.019 0.018       0.019   0.019   11.65
 97)  4-bromofluorobenzene (s)
           0.501 0.503 0.492 0.492 0.495 0.482 0.498 0.492 0.502   0.495    1.32

 98) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 99)  isopropylbenzene
           3.837 3.557 3.914 3.847 3.741 4.049 3.711 3.923 3.523   3.789    4.57
100)  1,1,2,2-tetrachloroethane
           0.911 0.790 0.782 0.775 0.781 0.843 0.730 0.966 0.780   0.817    9.25
101)  trans-1,4-dichloro-2-butene
           0.270 0.234 0.200 0.201 0.202 0.213 0.189 0.233 0.241   0.220   11.81
102)  1,2,3-trichloropropane
           0.216 0.191 0.194 0.196 0.201 0.211 0.184 0.189 0.201   0.198    5.17
103)  bromobenzene
           0.852 0.855 0.880 0.881 0.859 0.897 0.859 0.903 0.813   0.867    3.14
104)  n-propylbenzene
           4.305 3.989 4.100 4.069 4.008 4.195 4.043 4.535 3.862   4.123    4.83
105)  2-chlorotoluene
           0.944 0.839 0.902 0.893 0.900 0.919 0.887 1.127 0.848   0.918    9.25
106)  4-chlorotoluene
           2.555 2.406 2.365 2.380 2.363 2.440 2.306 3.044 2.336   2.466    9.26
107)  1,3,5-trimethylbenzene
           3.446 3.077 3.442 3.313 3.263 3.538 3.183 3.659 3.213   3.348    5.57
108)  tert-butylbenzene
           2.756 2.539 2.997 2.932 2.784 3.181 2.723 2.742 2.520   2.797    7.58
109)  pentachloroethane
           0.633 0.581 0.663 0.655 0.601 0.720 0.595 0.584 0.514   0.616    9.62
110)  1,2,4-trimethylbenzene
           3.176 3.162 3.325 3.306 3.243 3.487 3.182 3.656 3.006   3.283    5.88
111)  sec-butylbenzene
           4.602 4.207 4.708 4.635 4.501 4.974 4.409 4.527 4.195   4.529    5.39
112)  p-isopropyltoluene
           3.552 3.512 3.930 3.851 3.757 4.060 3.664 3.835 3.410   3.730    5.70
113)  1,3-dichlorobenzene
```

Initial Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VV6633-ICC6633
Lab FileID: V156935.D

```
            1.950 1.816 1.769 1.812 1.789 1.831 1.840 1.965 1.757   1.837    4.02
114)  1,4-dichlorobenzene
            1.847 1.790 1.744 1.761 1.749 1.795 1.777 1.962 1.767   1.799    3.80
115)  1,2-dichlorobenzene
            1.966 1.852 1.850 1.861 1.843 1.942 1.832 2.109 1.808   1.896    5.02
116)  Benzyl Chloride
            2.021 1.623 1.532 1.539 1.566 1.642 1.522       1.761   1.651   10.25
117)  Indane
                                                                    0.000   -1.00
118)  n-butylbenzene
            1.961 1.800 1.924 1.916 1.929 1.966 1.883 2.093 1.852   1.925    4.29
119)  hexachloroethane
            0.598 0.557 0.727 0.702 0.643 0.773 0.630 0.564 0.567   0.640   12.25
120)  1,2-dibromo-3-chloropropane
                  0.228 0.208 0.209 0.216 0.236 0.202       0.251   0.221    8.01
121)  1,3,5-trichlorobenzene
            2.132 1.987 1.900 1.948 1.938 1.992 1.941 2.179 1.886   1.989    5.09
122)  1,2,4-trichlorobenzene
            2.156 1.821 1.815 1.863 1.840 1.907 1.862 2.018 1.852   1.904    5.92
123)  hexachlorobutadiene
            1.093 0.970 1.068 1.063 1.016 1.150 0.996 1.012 0.920   1.032    6.68
124)  naphthalene
            4.449 3.845 3.795 3.759 3.829 4.178 3.707 4.993 3.848   4.045   10.58
125)  1,2,3-trichlorobenzene
            2.157 1.902 1.833 1.835 1.832 1.946 1.793 2.204 1.799   1.922    8.04
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MVS6633.M         Thu Oct 29 11:49:10 2015   MSV
```

6.9.4

6

Initial Calibration Verification

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VV6633-ICV6633
Lab FileID: V156940.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V156940.D Vial: 14
Acq On : 28 Oct 2015 11:23 pm Operator: payalr
Sample : icv6633-50 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 11:45:05 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	110	0.00	7.68
2		tertiary butyl alcohol	1.284	1.247	2.9	112	0.02	7.81
3		1,4-dioxane	0.092	0.092	0.0	102	0.00	11.62
4	I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	9.91
5		propene		----------NA----------				
6		chlorodifluoromethane	0.724	0.445	38.5#	66	0.00	4.34
7		dichlorodifluoromethane	0.811	0.688	15.2	91	0.02	4.33
8		chloromethane	0.751	0.711	5.3	100	0.00	4.65
9		vinyl chloride	0.770	0.737	4.3	100	0.00	4.91
10		1,3-butadiene		----------NA----------				
11		bromomethane	0.439	0.448	-2.1	102	0.00	5.57
12		chloroethane	0.352	0.342	2.8	101	0.00	5.72
13		trichlorofluoromethane	0.772	0.743	3.8	100	0.00	6.18
14		vinyl bromide		----------NA----------				
15		ethyl ether	0.211	0.213	-0.9	105	0.00	6.56
16		2-chloropropane	0.831	0.781	6.0	100	0.00	6.78
17		acrolein	0.072	0.072	0.0	105	0.00	6.86
18		freon 113	0.355	0.309	13.0	93	0.00	6.96
19		1,1-dichloroethene	0.676	0.657	2.8	103	0.00	7.01
20		acetone	0.033	0.033	0.0	109	0.00	7.09
21		iso-butyl alcohol	0.014	0.014	0.0	103	0.00	10.50
22		allyl chloride	0.235	0.272	-15.7	112	0.00	7.54
23		acetonitrile	0.111	0.116	-4.5	110	0.00	7.54
24		iodomethane	0.882	0.875	0.8	101	0.00	7.32
25		carbon disulfide	1.702	1.678	1.4	104	0.00	7.44
26		methylene chloride	0.527	0.483	8.3	104	0.00	7.75
27		1-chloropropane	0.794	0.754	5.0	103	0.00	7.77
28		methyl acetate	0.236	0.243	-3.0	106	0.00	7.52
29		methyl tert butyl ether	1.479	1.404	5.1	100	0.00	8.04
30		trans-1,2-dichloroethene	0.642	0.620	3.4	102	0.00	8.10
31		di-isopropyl ether	1.524	1.464	3.9	100	0.00	8.60
32		2-butanone	0.040	0.041	-2.5	109	0.00	9.39
33		1,1-dichloroethane	0.771	0.788	-2.2	107	0.00	8.68
34		chloroprene	0.594	0.689	-16.0	124	0.00	8.78
35		acrylonitrile	0.123	0.129	-4.9	113	0.00	8.09
36		vinyl acetate	0.061	0.058	4.9	98	0.00	8.64
37		ethyl tert-butyl ether	1.492	1.464	1.9	99	0.00	9.07
38		ethyl acetate	0.045	0.041	8.9	101	0.00	9.37
39		2,2-dichloropropane	0.804	0.752	6.5	102	0.00	9.43
40		cis-1,2-dichloroethene	0.501	0.475	5.2	103	0.00	9.43
41		propionitrile	0.046	0.049	-6.5	111	0.00	9.51

Initial Calibration Verification

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VV6633-ICV6633
Lab FileID: V156940.D

42		methyl acrylate	0.044	0.047	-6.8	110	0.00	9.47
43		methacrylonitrile	0.128	0.131	-2.3	105	0.00	9.69
44		bromochloromethane	0.222	0.224	-0.9	103	0.00	9.75
45		tetrahydrofuran	0.128	0.126	1.6	111	0.00	9.79
46		chloroform	0.758	0.763	-0.7	106	0.00	9.80
47		tert-Butyl Formate	0.339	0.373	-10.0	109	0.00	9.81
48	S	dibromofluoromethane (s)	0.397	0.399	-0.5	104	0.00	10.00
49	S	1,2-dichloroethane-d4 (s)	0.392	0.391	0.3	105	0.00	10.43
50		1,1,1-trichloroethane	0.782	0.779	0.4	106	0.00	10.05
51		Cyclohexane	0.757	0.679	10.3	98	0.01	10.11
52	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	10.86
53		methylcyclohexane	0.638	0.553	13.3	93	0.00	11.43
54		epichlorohydrin	0.027	0.024	11.1	101	0.00	12.20
55		n-butyl alcohol	0.010	0.010	0.0	111	0.00	10.98
56		carbon tetrachloride	0.562	0.551	2.0	104	0.00	10.25
57		1,1-dichloropropene	0.445	0.457	-2.7	109	0.00	10.22
58		hexane	0.365	0.281	23.0	87	0.00	8.36
59		2,2,4-Trimethylpentane	1.309	1.067	18.5	86	0.00	10.45
60		benzene	1.415	1.391	1.7	104	0.00	10.50
61		tert-amyl methyl ether	1.208	1.177	2.6	102	0.00	10.49
62		heptane	0.234	0.183	21.8	89	0.00	10.61
63		isopropyl acetate	0.104	0.112	-7.7	106	0.00	10.38
64		1,2-dichloroethane	0.407	0.424	-4.2	105	0.00	10.53
65		ethyl acrylate		----------NA----------				
66		trichloroethene	0.340	0.330	2.9	103	0.00	11.22
67		2-chloroethyl vinyl ether	0.157	0.154	1.9	100	0.00	12.04
68		methyl methacrylate	0.065	0.072	-10.8	111	0.00	11.48
69		1,2-dichloropropane	0.330	0.344	-4.2	107	0.00	11.51
70		dibromomethane	0.193	0.193	0.0	105	0.00	11.69
71		bromodichloromethane	0.449	0.461	-2.7	104	0.00	11.81
72		2-nitropropane	0.107	0.108	-0.9	110	0.00	12.06
73		cis-1,3-dichloropropene	0.504	0.500	0.8	103	0.00	12.29
74	S	toluene-d8 (s)	1.211	1.196	1.2	102	0.00	12.59
75		4-methyl-2-pentanone	0.113	0.118	-4.4	111	0.00	12.38
76		toluene	0.865	0.825	4.6	103	0.00	12.67
77		isoamyl alcohol	0.017	0.016	5.9	110	0.00	12.40
78		trans-1,3-dichloropropene	0.438	0.415	5.3	97	0.00	12.90
79		ethyl methacrylate	0.365	0.355	2.7	104	0.00	12.86
80		1,1,2-trichloroethane	0.219	0.216	1.4	105	0.00	13.14
81		2-hexanone	0.093	0.091	2.2	110	0.00	13.31
82	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	14.27
83		tetrachloroethene	0.430	0.442	-2.8	102	0.00	13.31
84		1,3-dichloropropane	0.463	0.468	-1.1	102	0.00	13.34
85		butyl acetate	0.192	0.203	-5.7	109	0.00	13.37
86		3,3-Dimethyl-1-Butanol	0.035	0.036	-2.9	108	0.00	13.49
87		dibromochloromethane	0.368	0.386	-4.9	105	0.00	13.64
88		1,2-dibromoethane	0.287	0.295	-2.8	104	0.00	13.81
89		chlorobenzene	1.021	1.025	-0.4	102	0.00	14.31
90		1,1,1,2-tetrachloroethane	0.475	0.472	0.6	101	0.00	14.37
91		ethylbenzene	1.888	1.835	2.8	101	0.00	14.35
92		m,p-xylene	0.753	0.749	0.5	104	0.00	14.47
93		o-xylene	0.794	0.832	-4.8	105	0.00	14.94
94		styrene	1.224	1.201	1.9	100	0.00	14.96
95		bromoform	0.263	0.272	-3.4	106	0.00	15.29
96		cyclohexanone	0.019	0.018	5.3	102	0.00	15.56
97	S	4-bromofluorobenzene (s)	0.495	0.492	0.6	100	0.00	15.57
98	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	16.88

Initial Calibration Verification

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VV6633-ICV6633
Lab FileID: V156940.D

99	isopropylbenzene	3.789	3.887	-2.6	101	0.00	15.32
100	1,1,2,2-tetrachloroethane	0.817	0.795	2.7	103	0.00	15.70
101	trans-1,4-dichloro-2-bute	0.220	0.205	6.8	102	0.00	15.74
102	1,2,3-trichloropropane	0.198	0.203	-2.5	104	0.00	15.78
103	bromobenzene	0.867	0.885	-2.1	101	0.00	15.80
104	n-propylbenzene	4.123	4.331	-5.0	107	0.00	15.78
105	2-chlorotoluene	0.918	0.912	0.7	102	0.00	15.96
106	4-chlorotoluene	2.466	2.401	2.6	101	0.00	16.07
107	1,3,5-trimethylbenzene	3.348	3.404	-1.7	103	0.00	15.94
108	tert-butylbenzene	2.797	2.981	-6.6	102	0.00	16.33
109	pentachloroethane	0.616	0.672	-9.1	103	0.00	16.45
110	1,2,4-trimethylbenzene	3.283	3.482	-6.1	106	0.00	16.39
111	sec-butylbenzene	4.529	4.667	-3.0	101	0.00	16.57
112	p-isopropyltoluene	3.730	3.940	-5.6	103	0.00	16.70
113	1,3-dichlorobenzene	1.837	1.805	1.7	100	0.00	16.82
114	1,4-dichlorobenzene	1.799	1.793	0.3	102	0.00	16.90
115	1,2-dichlorobenzene	1.896	1.898	-0.1	102	0.00	17.35
116	Benzyl Chloride	1.651	1.416	14.2	92	0.00	17.04
117	Indane		----------NA----------				
118	n-butylbenzene	1.925	1.954	-1.5	102	0.00	17.17
119	hexachloroethane	0.640	0.719	-12.3	103	0.00	17.63
120	1,2-dibromo-3-chloropropa	0.221	0.220	0.5	106	0.00	18.22
121	1,3,5-trichlorobenzene	1.989	1.933	2.8	99	0.00	18.40
122	1,2,4-trichlorobenzene	1.904	1.810	4.9	97	0.00	19.14
123	hexachlorobutadiene	1.032	1.020	1.2	96	0.00	19.25
124	naphthalene	4.045	3.821	5.5	102	0.00	19.49
125	1,2,3-trichlorobenzene	1.922	1.795	6.6	98	0.00	19.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0
V156935.D MVS6633.M Thu Oct 29 11:48:50 2015 MSV

6.9.5

6

Continuing Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VV6686-CC6633
Lab FileID: V158430.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V158430.D Vial: 2
Acq On : 18 Dec 2015 7:47 am Operator: payalr
Sample : cc6633-20 Inst : MSV
Misc : MS96180,VV6686,5.0,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 11:45:05 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	73	-0.01	7.67
2	tertiary butyl alcohol	1.284	1.288	-0.3	77	0.00	7.79
3	1,4-dioxane	0.092	0.108	-17.4	82	-0.01	11.62
4 I	pentafluorobenzene	1.000	1.000	0.0	84	-0.01	9.90
5	propene		----------NA----------				
6	chlorodifluoromethane	0.724	0.782	-8.0	95	0.00	4.33
7	dichlorodifluoromethane	0.811	0.873	-7.6	88	-0.01	4.30
8	chloromethane	0.751	0.900	-19.8	105	0.00	4.64
9	vinyl chloride	0.770	0.944	-22.6#	106	0.00	4.91
10	1,3-butadiene		----------NA----------				
11	bromomethane	0.439	0.505	-15.0	101	-0.02	5.55
12	chloroethane	0.352	0.373	-6.0	93	0.00	5.72
13	trichlorofluoromethane	0.772	0.794	-2.8	86	0.00	6.17
14	vinyl bromide		----------NA----------				
15	ethyl ether	0.211	0.206	2.4	83	-0.01	6.55
16	2-chloropropane	0.831	0.877	-5.5	91	-0.01	6.78
17	acrolein	0.072	0.078	-8.3	94	-0.01	6.85
18	freon 113	0.355	0.394	-11.0	91	0.00	6.95
19	1,1-dichloroethene	0.676	0.689	-1.9	88	-0.01	7.00
20	acetone	0.033	0.036	-9.1	91	-0.01	7.07
21	iso-butyl alcohol	0.014	0.015	-7.1	92	0.00	10.49
22	allyl chloride	0.235	0.289	-23.0#	100	-0.01	7.53
23	acetonitrile	0.111	0.131	-18.0	103	-0.01	7.53
24	iodomethane	0.882	0.878	0.5	86	-0.01	7.31
25	carbon disulfide	1.702	1.899	-11.6	96	-0.02	7.43
26	methylene chloride	0.527	0.518	1.7	91	-0.01	7.73
27	1-chloropropane	0.794	0.840	-5.8	91	0.00	7.76
28	methyl acetate	0.236	0.224	5.1	79	-0.01	7.51
29	methyl tert butyl ether	1.479	1.352	8.6	80	-0.02	8.02
30	trans-1,2-dichloroethene	0.642	0.706	-10.0	92	-0.01	8.09
31	di-isopropyl ether	1.524	1.554	-2.0	88	-0.01	8.59
32	2-butanone	0.040	0.038	5.0	82	-0.02	9.38
33	1,1-dichloroethane	0.771	0.858	-11.3	96	0.00	8.68
34	chloroprene	0.594	0.599	-0.8	89	-0.01	8.77
35	acrylonitrile	0.123	0.133	-8.1	93	-0.01	8.08
36	vinyl acetate	0.061	0.054	11.5	76	0.00	8.64
37	ethyl tert-butyl ether	1.492	1.448	2.9	84	-0.01	9.06
38	ethyl acetate	0.045	0.043	4.4	80	-0.01	9.37
39	2,2-dichloropropane	0.804	0.791	1.6	86	0.00	9.41
40	cis-1,2-dichloroethene	0.501	0.520	-3.8	93	-0.01	9.41
41	propionitrile	0.046	0.052	-13.0	93	-0.01	9.51

Continuing Calibration Summary

Job Number: JC10922 **Sample:** VV6686-CC6633
Account: EEENJF Equity Environmental Engineering **Lab FileID:** V158430.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

42		methyl acrylate	0.044	0.042	4.5	76	0.00	9.47
43		methacrylonitrile	0.128	0.135	-5.5	85	0.00	9.68
44		bromochloromethane	0.222	0.221	0.5	83	-0.01	9.74
45		tetrahydrofuran	0.128	0.122	4.7	89	0.00	9.78
46		chloroform	0.758	0.770	-1.6	88	-0.01	9.79
47		tert-Butyl Formate	0.339	0.333	1.8	85	0.00	9.81
48	S	dibromofluoromethane (s)	0.397	0.378	4.8	81	-0.01	9.99
49	S	1,2-dichloroethane-d4 (s)	0.392	0.347	11.5	75	-0.01	10.42
50		1,1,1-trichloroethane	0.782	0.777	0.6	85	-0.02	10.03
51		Cyclohexane	0.757	0.906	-19.7	100	0.00	10.09
52	I	1,4-difluorobenzene	1.000	1.000	0.0	89	-0.01	10.85
53		methylcyclohexane	0.638	0.698	-9.4	96	0.00	11.42
54		epichlorohydrin	0.027	0.025	7.4	85	-0.01	12.19
55		n-butyl alcohol	0.010	0.009	10.0	85	0.00	10.99
56		carbon tetrachloride	0.562	0.550	2.1	88	-0.02	10.24
57		1,1-dichloropropene	0.445	0.463	-4.0	95	0.00	10.21
58		hexane	0.365	0.378	-3.6	91	0.00	8.35
59		2,2,4-Trimethylpentane	1.309	1.309	0.0	89	-0.01	10.43
60		benzene	1.415	1.551	-9.6	100	-0.01	10.49
61		tert-amyl methyl ether	1.208	1.108	8.3	85	-0.01	10.48
62		heptane	0.234	0.246	-5.1	93	-0.01	10.60
63		isopropyl acetate	0.104	0.116	-11.5	85	-0.01	10.37
64		1,2-dichloroethane	0.407	0.380	6.6	82	0.00	10.52
65		ethyl acrylate		----------NA----------				
66		trichloroethene	0.340	0.358	-5.3	98	0.00	11.21
67		2-chloroethyl vinyl ether	0.157	0.163	-3.8	92	0.00	12.04
68		methyl methacrylate	0.065	0.067	-3.1	90	-0.01	11.47
69		1,2-dichloropropane	0.330	0.382	-15.8	103	0.00	11.50
70		dibromomethane	0.193	0.187	3.1	87	-0.01	11.68
71		bromodichloromethane	0.449	0.441	1.8	89	0.00	11.80
72		2-nitropropane	0.107	0.091	15.0	77	-0.01	12.04
73		cis-1,3-dichloropropene	0.504	0.524	-4.0	93	-0.01	12.28
74	S	toluene-d8 (s)	1.211	1.206	0.4	87	0.00	12.58
75		4-methyl-2-pentanone	0.113	0.116	-2.7	88	-0.01	12.37
76		toluene	0.865	0.928	-7.3	99	0.00	12.66
77		isoamyl alcohol	0.017	0.015	11.8	81	0.00	12.39
78		trans-1,3-dichloropropene	0.438	0.436	0.5	89	0.00	12.89
79		ethyl methacrylate	0.365	0.357	2.2	89	0.00	12.85
80		1,1,2-trichloroethane	0.219	0.223	-1.8	92	-0.01	13.13
81		2-hexanone	0.093	0.091	2.2	79	0.00	13.31
82	I	chlorobenzene-d5	1.000	1.000	0.0	91	0.00	14.27
83		tetrachloroethene	0.430	0.412	4.2	86	0.00	13.30
84		1,3-dichloropropane	0.463	0.475	-2.6	95	0.00	13.34
85		butyl acetate	0.192	0.192	0.0	92	0.00	13.37
86		3,3-Dimethyl-1-Butanol	0.035	0.029	17.1	75	0.00	13.49
87		dibromochloromethane	0.368	0.341	7.3	85	0.00	13.64
88		1,2-dibromoethane	0.287	0.279	2.8	88	0.00	13.81
89		chlorobenzene	1.021	1.065	-4.3	96	-0.01	14.30
90		1,1,1,2-tetrachloroethane	0.475	0.460	3.2	91	0.00	14.37
91		ethylbenzene	1.888	1.977	-4.7	98	0.00	14.35
92		m,p-xylene	0.753	0.787	-4.5	98	0.00	14.46
93		o-xylene	0.794	0.826	-4.0	94	0.00	14.94
94		styrene	1.224	1.236	-1.0	95	0.00	14.95
95		bromoform	0.263	0.234	11.0	83	0.00	15.28
96		cyclohexanone	0.019	0.015	21.1#	72	0.00	15.55
97	S	4-bromofluorobenzene (s)	0.495	0.491	0.8	91	0.00	15.57
98	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	89	-0.01	16.87

Continuing Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VV6686-CC6633
Lab FileID: V158430.D

99	isopropylbenzene	3.789	4.037	-6.5	96	0.00	15.31
100	1,1,2,2-tetrachloroethane	0.817	0.817	0.0	93	0.00	15.69
101	trans-1,4-dichloro-2-bute	0.220	0.189	14.1	83	0.00	15.73
102	1,2,3-trichloropropane	0.198	0.187	5.6	83	0.00	15.78
103	bromobenzene	0.867	0.873	-0.7	90	0.00	15.79
104	n-propylbenzene	4.123	4.702	-14.0	104	-0.01	15.77
105	2-chlorotoluene	0.918	0.984	-7.2	97	0.00	15.96
106	4-chlorotoluene	2.466	2.616	-6.1	98	0.00	16.07
107	1,3,5-trimethylbenzene	3.348	3.405	-1.7	92	0.00	15.94
108	tert-butylbenzene	2.797	2.822	-0.9	90	0.00	16.33
109	pentachloroethane	0.616	0.625	-1.5	92	0.00	16.45
110	1,2,4-trimethylbenzene	3.283	3.516	-7.1	96	0.00	16.38
111	sec-butylbenzene	4.529	4.789	-5.7	94	0.00	16.57
112	p-isopropyltoluene	3.730	3.934	-5.5	93	0.00	16.70
113	1,3-dichlorobenzene	1.837	1.856	-1.0	92	0.00	16.81
114	1,4-dichlorobenzene	1.799	1.844	-2.5	93	0.00	16.90
115	1,2-dichlorobenzene	1.896	1.872	1.3	90	0.00	17.34
116	Benzyl Chloride	1.651	1.381	16.4	78	-0.01	17.03
117	Indane		----------NA----------				
118	n-butylbenzene	1.925	2.219	-15.3	102	0.00	17.16
119	hexachloroethane	0.640	0.619	3.3	85	0.00	17.63
120	1,2-dibromo-3-chloropropa	0.221	0.191	13.6	78	0.00	18.21
121	1,3,5-trichlorobenzene	1.989	2.009	-1.0	92	0.00	18.39
122	1,2,4-trichlorobenzene	1.904	1.848	2.9	89	0.00	19.14
123	hexachlorobutadiene	1.032	0.975	5.5	85	0.00	19.25
124	naphthalene	4.045	3.601	11.0	83	0.00	19.49
125	1,2,3-trichlorobenzene	1.922	1.751	8.9	85	0.00	19.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0
V156934.D MVS6633.M Mon Dec 21 15:31:15 2015 MSV

Continuing Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VV6686-CC6633
Lab FileID: V158453.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V158453.D Vial: 25
Acq On : 18 Dec 2015 7:41 pm Operator: payalr
Sample : cc6633-50 Inst : MSV
Misc : MS96266,VV6686,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 11:45:05 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	92	0.00	7.68
2	tertiary butyl alcohol	1.284	1.173	8.6	88	0.00	7.79
3	1,4-dioxane	0.092	0.105	-14.1	97	0.00	11.62
4 I	pentafluorobenzene	1.000	1.000	0.0	76	-0.01	9.90
5	propene		----------NA----------				
6	chlorodifluoromethane	0.724	0.838	-15.7	92	0.00	4.33
7	dichlorodifluoromethane	0.811	0.785	3.2	77	-0.02	4.29
8	chloromethane	0.751	0.737	1.9	77	-0.01	4.63
9	vinyl chloride	0.770	0.791	-2.7	80	0.00	4.91
10	1,3-butadiene		----------NA----------				
11	bromomethane	0.439	0.421	4.1	71	-0.02	5.56
12	chloroethane	0.352	0.317	9.9	70	-0.01	5.71
13	trichlorofluoromethane	0.772	0.712	7.8	71	-0.02	6.16
14	vinyl bromide		----------NA----------				
15	ethyl ether	0.211	0.220	-4.3	81	0.00	6.55
16	2-chloropropane	0.831	0.769	7.5	73	-0.02	6.77
17	acrolein	0.072	0.071	1.4	78	-0.01	6.85
18	freon 113	0.355	0.417	-17.5	93	0.00	6.95
19	1,1-dichloroethene	0.676	0.641	5.2	74	-0.01	7.00
20	acetone	0.033	0.035	-6.1	87	0.00	7.07
21	iso-butyl alcohol	0.014	0.015	-7.1	82	0.00	10.49
22	allyl chloride		----------NA----------				
23	acetonitrile	0.111	0.128	-15.3	89	-0.01	7.53
24	iodomethane	0.882	0.833	5.6	71	-0.01	7.31
25	carbon disulfide	1.702	1.739	-2.2	80	-0.02	7.43
26	methylene chloride	0.527	0.503	4.6	80	0.00	7.74
27	1-chloropropane	0.794	0.742	6.5	75	0.00	7.76
28	methyl acetate	0.236	0.262	-11.0	85	-0.01	7.51
29	methyl tert butyl ether	1.479	1.379	6.8	73	-0.02	8.02
30	trans-1,2-dichloroethene	0.642	0.644	-0.3	79	0.00	8.10
31	di-isopropyl ether	1.524	1.596	-4.7	81	-0.01	8.59
32	2-butanone	0.040	0.043	-7.5	85	-0.02	9.38
33	1,1-dichloroethane	0.771	0.820	-6.4	82	0.00	8.68
34	chloroprene	0.594	0.607	-2.2	81	0.00	8.77
35	acrylonitrile	0.123	0.140	-13.8	91	-0.01	8.08
36	vinyl acetate	0.061	0.066	-8.2	83	0.00	8.63
37	ethyl tert-butyl ether	1.492	1.538	-3.1	77	0.00	9.07
38	ethyl acetate	0.045	0.052	-15.6	95	-0.01	9.37
39	2,2-dichloropropane	0.804	0.773	3.9	78	-0.01	9.41
40	cis-1,2-dichloroethene	0.501	0.505	-0.8	81	0.00	9.42
41	propionitrile	0.046	0.058	-26.1#	98	-0.01	9.51

Continuing Calibration Summary

Job Number: JC10922 **Sample:** VV6686-CC6633
Account: EEENJF Equity Environmental Engineering **Lab FileID:** V158453.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

42		methyl acrylate	0.044	0.051	-15.9	89	0.00	9.46
43		methacrylonitrile	0.128	0.150	-17.2	90	-0.01	9.68
44		bromochloromethane	0.222	0.228	-2.7	78	-0.01	9.74
45		tetrahydrofuran	0.128	0.129	-0.8	85	-0.01	9.77
46		chloroform	0.758	0.751	0.9	77	-0.01	9.79
47		tert-Butyl Formate	0.339	0.376	-10.9	82	-0.01	9.80
48	S	dibromofluoromethane (s)	0.397	0.393	1.0	76	-0.01	9.99
49	S	1,2-dichloroethane-d4 (s)	0.392	0.371	5.4	74	0.00	10.43
50		1,1,1-trichloroethane	0.782	0.729	6.8	73	-0.01	10.04
51		Cyclohexane	0.757	0.849	-12.2	91	0.00	10.10
52	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.00	10.86
53		methylcyclohexane	0.638	0.740	-16.0	98	0.00	11.42
54		epichlorohydrin	0.027	0.030	-11.1	99	0.00	12.20
55		n-butyl alcohol	0.010	0.012	-20.0	100	0.00	10.98
56		carbon tetrachloride	0.562	0.510	9.3	76	-0.02	10.24
57		1,1-dichloropropene	0.445	0.437	1.8	82	0.00	10.21
58		hexane	0.365	0.457	-25.2#	112	0.00	8.35
59		2,2,4-Trimethylpentane	1.309	1.582	-20.9#	101	0.00	10.44
60		benzene	1.415	1.470	-3.9	87	-0.01	10.49
61		tert-amyl methyl ether	1.208	1.181	2.2	81	-0.01	10.48
62		heptane	0.234	0.285	-21.8#	109	-0.01	10.60
63		isopropyl acetate	0.104	0.126	-21.2#	94	0.00	10.37
64		1,2-dichloroethane	0.407	0.382	6.1	75	0.00	10.52
65		ethyl acrylate		----------NA----------				
66		trichloroethene	0.340	0.340	0.0	83	0.00	11.21
67		2-chloroethyl vinyl ether	0.157	0.184	-17.2	94	0.00	12.04
68		methyl methacrylate	0.065	0.074	-13.8	90	-0.01	11.47
69		1,2-dichloropropane	0.330	0.371	-12.4	91	0.00	11.50
70		dibromomethane	0.193	0.198	-2.6	85	-0.01	11.68
71		bromodichloromethane	0.449	0.449	0.0	80	0.00	11.81
72		2-nitropropane	0.107	0.096	10.3	77	0.00	12.05
73		cis-1,3-dichloropropene	0.504	0.542	-7.5	88	-0.01	12.28
74	S	toluene-d8 (s)	1.211	1.205	0.5	81	0.00	12.58
75		4-methyl-2-pentanone	0.113	0.134	-18.6	99	0.00	12.38
76		toluene	0.865	0.883	-2.1	87	0.00	12.66
77		isoamyl alcohol	0.017	0.019	-11.8	100	0.00	12.39
78		trans-1,3-dichloropropene	0.438	0.467	-6.6	86	0.00	12.89
79		ethyl methacrylate	0.365	0.399	-9.3	92	0.00	12.85
80		1,1,2-trichloroethane	0.219	0.240	-9.6	92	-0.01	13.13
81		2-hexanone	0.093	0.117	-25.8#	111	0.00	13.31
82	I	chlorobenzene-d5	1.000	1.000	0.0	84	0.00	14.27
83		tetrachloroethene	0.430	0.406	5.6	80	0.00	13.30
84		1,3-dichloropropane	0.463	0.498	-7.6	92	0.00	13.34
85		butyl acetate	0.192	0.216	-12.5	98	0.00	13.36
86		3,3-Dimethyl-1-Butanol	0.035	0.036	-2.9	91	0.00	13.49
87		dibromochloromethane	0.368	0.356	3.3	82	0.00	13.64
88		1,2-dibromoethane	0.287	0.300	-4.5	89	0.00	13.81
89		chlorobenzene	1.021	1.039	-1.8	87	-0.01	14.30
90		1,1,1,2-tetrachloroethane	0.475	0.451	5.1	81	0.00	14.37
91		ethylbenzene	1.888	1.842	2.4	86	0.00	14.35
92		m,p-xylene	0.753	0.733	2.7	86	0.00	14.46
93		o-xylene	0.794	0.793	0.1	84	0.00	14.94
94		styrene	1.224	1.240	-1.3	88	0.00	14.95
95		bromoform	0.263	0.250	4.9	83	0.00	15.28
96		cyclohexanone	0.019	0.028	-47.4#	137	0.00	15.55
97	S	4-bromofluorobenzene (s)	0.495	0.503	-1.6	86	0.00	15.57
98	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	86	0.00	16.87

Continuing Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VV6686-CC6633
Lab FileID: V158453.D

99	isopropylbenzene	3.789	3.800	-0.3	85	0.00	15.31
100	1,1,2,2-tetrachloroethane	0.817	0.860	-5.3	95	0.00	15.69
101	trans-1,4-dichloro-2-bute	0.220	0.208	5.5	89	0.00	15.73
102	1,2,3-trichloropropane	0.198	0.197	0.5	86	0.00	15.78
103	bromobenzene	0.867	0.852	1.7	83	0.00	15.79
104	n-propylbenzene	4.123	4.326	-4.9	91	0.00	15.77
105	2-chlorotoluene	0.918	0.921	-0.3	89	0.00	15.96
106	4-chlorotoluene	2.466	2.459	0.3	89	0.00	16.07
107	1,3,5-trimethylbenzene	3.348	3.272	2.3	85	0.00	15.94
108	tert-butylbenzene	2.797	2.808	-0.4	82	0.00	16.33
109	pentachloroethane	0.616	0.619	-0.5	81	0.00	16.45
110	1,2,4-trimethylbenzene	3.283	3.362	-2.4	87	0.00	16.38
111	sec-butylbenzene	4.529	4.644	-2.5	86	0.00	16.57
112	p-isopropyltoluene	3.730	3.816	-2.3	85	0.00	16.70
113	1,3-dichlorobenzene	1.837	1.774	3.4	84	0.00	16.81
114	1,4-dichlorobenzene	1.799	1.760	2.2	86	0.00	16.90
115	1,2-dichlorobenzene	1.896	1.823	3.9	84	0.00	17.34
116	Benzyl Chloride	1.651	1.631	1.2	91	0.00	17.04
117	Indane		----------NA----------				
118	n-butylbenzene	1.925	2.099	-9.0	94	0.00	17.16
119	hexachloroethane	0.640	0.625	2.3	76	0.00	17.63
120	1,2-dibromo-3-chloropropa	0.221	0.217	1.8	89	0.00	18.22
121	1,3,5-trichlorobenzene	1.989	1.858	6.6	82	0.00	18.40
122	1,2,4-trichlorobenzene	1.904	1.781	6.5	82	0.00	19.14
123	hexachlorobutadiene	1.032	0.972	5.8	78	0.00	19.25
124	naphthalene	4.045	3.860	4.6	88	0.00	19.49
125	1,2,3-trichlorobenzene	1.922	1.737	9.6	81	0.00	19.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0
V156935.D MVS6633.M Mon Dec 21 16:06:10 2015 MSV

Initial Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VY6930-ICC6930
Lab FileID: Y158709.D

Response Factor Report MSY

```
Method       : C:\MSDCHEM\1\METHODS\MYS6930.M (RTE Integrator)
Title        : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update  : Thu Dec 24 10:06:42 2015
Response via : Initial Calibration

Calibration Files
4   =Y158706.D   8   =Y158707.D   0.5 =Y158703.D   50  =Y158709.D
100 =Y158710.D   1   =Y158704.D   200 =Y158711.D   20  =Y158708.D
2   =Y158705.D   0.2 =Y158702.D       =                =

Compound
        4     8     0.5   50    100   1     200   20    2     0.2    Avg   %RSD
-------------------------------------------------------------------------------

1) I   Tert Butyl Alcohol-d9 ----------------ISTD---------------------
2)  1,4-dioxane
     0.111 0.106       0.118 0.123       0.107 0.112 0.094        0.110    8.54
3)  tertiary butyl alcohol
     1.433 1.286       1.293 1.302       1.169 1.272 1.326        1.297    6.01

4) I   pentafluorobenzene    ----------------ISTD---------------------
5)  propene
                                                                   0.000   -1.00
6)  chlorodifluoromethane
     0.446 0.473       0.446 0.362       0.353 0.417 0.437        0.419   10.83
7)  dichlorodifluoromethane
     0.638 0.605       0.592 0.534       0.499 0.579 0.538        0.569    8.43
8)  chloromethane
     0.699 0.683       0.627 0.621       0.572 0.648 0.777        0.661   10.00
9)  vinyl chloride
     0.616 0.589       0.582 0.572       0.528 0.576 0.548        0.573    4.98
10)  1,3-butadiene
                                                                   0.000   -1.00
11)  bromomethane
     0.386 0.393       0.356 0.327             0.366 0.411        0.373    8.11
12)  chloroethane
     0.281 0.285       0.280 0.270       0.231 0.275 0.258        0.268    7.05
13)  Vinyl Bromide
                                                                   0.000   -1.00
14)  trichlorofluoromethane
     0.640 0.591       0.607 0.611       0.579 0.589 0.608        0.604    3.31
15)  ethyl ether
     0.207 0.201       0.203 0.209       0.196 0.205 0.232        0.208    5.55
16)  2-chloropropane
     0.186 0.178       0.179 0.176 0.143 0.164 0.173 0.169        0.171    7.62
17)  acrolein
     0.097 0.084       0.078       0.080       0.084 0.083        0.084    8.18
18)  1,1-dichloroethene
     0.616 0.593 0.640 0.609 0.605 0.658 0.553 0.598 0.682        0.617    6.17
19)  acetone
           0.037       0.032 0.033       0.031 0.038              0.034    9.49
20)  allyl chloride
     0.229 0.215       0.223 0.219 0.224 0.201 0.217 0.235        0.220    4.63
21)  acetonitrile
     0.121 0.106       0.103 0.103       0.094 0.106              0.106    8.09
22)  iodomethane
     0.726 0.691 0.663 0.716 0.739 0.751 0.701 0.697 0.758        0.716    4.31
23)  carbon disulfide
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VY6930-ICC6930
Account: EEENJF Equity Environmental Engineering **Lab FileID:** Y158709.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
      1.495 1.361 1.539 1.406 1.409 1.681 1.302 1.378 1.563        1.459    8.18
24)  1-chloropropane *This compound does not meet initial calibration criteria*
      1.079 0.865       0.723 0.697       0.618 0.763              0.791   20.57
            ----- Linear regression -----  Coefficient =  0.9964
              Response Ratio = 0.07197 + 0.61363 *A

25)  methylene chloride
      0.704 0.665       0.645 0.649       0.595 0.657 0.846        0.680   11.74
26)  methyl acetate
      0.278 0.236       0.230 0.233       0.215 0.254 0.286        0.247   10.65
27)  methyl tert butyl ether
      1.248 1.174       1.168 1.212 1.293 1.157 1.194 1.430        1.235    7.37
28)  trans-1,2-dichloroethene
      0.631 0.614 0.646 0.621 0.613 0.662 0.556 0.607 0.699        0.628    6.35
29)  di-isopropyl ether
      1.507 1.421 1.854 1.423 1.446 1.504 1.342 1.422 1.295        1.468   10.88
30)  ethyl tert-butyl ether
      1.425 1.351 1.632 1.369 1.423 1.376 1.358 1.386 1.220 1.234  1.378    8.22
31)  2-butanone
            0.036       0.038 0.041       0.039 0.043              0.039    6.86
32)  1,1-dichloroethane
      0.803 0.755 0.795 0.766 0.762 0.832 0.700 0.754 0.869        0.782    6.34
33)  chloroprene
      0.548 0.519 0.588 0.541 0.538 0.591 0.488 0.532 0.458        0.534    8.03
34)  acrylonitrile
      0.133 0.127 0.116 0.123 0.128 0.111 0.118 0.131 0.142        0.125    7.61
35)  vinyl acetate
      0.054 0.058       0.060 0.065       0.062 0.063              0.060    6.78
36)  ethyl acetate
      0.046 0.050       0.044 0.045       0.041 0.048              0.046    6.89
37)  2,2-dichloropropane
      0.700 0.628 0.815 0.654 0.651 0.791 0.604 0.640 0.747        0.692   10.93
38)  cis-1,2-dichloroethene
      0.311 0.290 0.236 0.303 0.306 0.287 0.281 0.298 0.329        0.293    8.79
39)  propionitrile
      0.049 0.048       0.048 0.050 0.034 0.046 0.052 0.052        0.047   12.00
40)  bromochloromethane
      0.272 0.276 0.201 0.275 0.288 0.244 0.270 0.274 0.304        0.267   11.03
41)  tetrahydrofuran
      0.036 0.039       0.045 0.047       0.045 0.048              0.043   10.75
42)  chloroform
      0.745 0.740 0.818 0.748 0.759 0.813 0.702 0.732 0.849 0.818  0.772    6.25
43)  tert-Butyl Formate
      0.357 0.326       0.334 0.354       0.336 0.349 0.295        0.336    6.34
44)  isobutyl alcohol
      0.016 0.015       0.013 0.014       0.013 0.016              0.014    9.83
45)  dibromofluoromethane (s)
      0.426 0.438 0.433 0.432 0.444 0.423 0.437 0.437 0.433 0.431  0.433    1.41
46)  1,2-dichloroethane-d4 (s)
      0.423 0.429 0.425 0.426 0.433 0.420 0.426 0.439 0.430 0.427  0.428    1.30
47)  freon 113
      0.270 0.253       0.270 0.275       0.262 0.266 0.199        0.256   10.27
48)  methacrylonitrile
      0.126 0.129       0.134 0.140       0.132 0.138 0.141        0.134    4.10
49)  1,1,1-trichloroethane
      0.658 0.609       0.626 0.633 0.759 0.597 0.613 0.694        0.649    8.36
50)  Cyclohexane
      0.647 0.601       0.623 0.621 0.680 0.569 0.614 0.711        0.633    7.13
51)  2,2,4-trimethylpentane
      1.544 1.429 1.872 1.512 1.499 1.513 1.381 1.480 1.303 1.558  1.509    9.92
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VY6930-ICC6930
Account: EEENJF Equity Environmental Engineering **Lab FileID:** Y158709.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
52)  tert-amyl methyl ether
      1.402 1.263       1.243 1.279       1.207 1.267 1.145        1.258    6.22

53) I   1,4-difluorobenzene   ----------------ISTD--------------------
54)  epichlorohydrin
      0.026 0.024       0.024 0.025       0.023 0.026 0.024        0.025    4.88
55)  n-butyl alcohol
      0.009 0.008       0.008 0.009       0.008 0.009 0.010        0.009    7.82
56)  carbon tetrachloride
      0.418 0.377       0.403 0.403 0.428 0.380 0.390 0.447        0.406    6.00
57)  1,1-dichloropropene
      0.412 0.383 0.458 0.394 0.386 0.466 0.351 0.388 0.455        0.410    9.84
58)  hexane
      0.343 0.303       0.312 0.301 0.358 0.269 0.309 0.297        0.312    8.91
59)  Tert Amyl Alcohol
                                                                   0.000   -1.00
60)  benzene
      1.291 1.222 1.583 1.220 1.209 1.550 1.079 1.220 1.481        1.317   13.40
61)  heptane
      0.220 0.196       0.211 0.203 0.228 0.185 0.199 0.182        0.203    8.01
62)  isopropyl acetate
      0.172 0.132       0.105 0.105       0.098 0.119              0.122   22.51
            ----- Linear regression -----  Coefficient =  0.9991
              Response Ratio = 0.00829 + 0.09657 *A

63)  1,2-dichloroethane
      0.387 0.374       0.374 0.381 0.353 0.351 0.380 0.420        0.377    5.69
64)  trichloroethene
      0.323 0.294 0.318 0.312 0.310 0.338 0.286 0.298 0.354        0.315    6.84
65)  ethyl acrylate
                                                                   0.000   -1.00
66)  2-nitropropane
      0.102 0.087       0.084 0.088       0.080 0.092              0.089    8.42
67)  2-chloroethyl vinyl ether
      0.149 0.137 0.148 0.142 0.145 0.137 0.133 0.146 0.126        0.140    5.45
68)  methyl methacrylate
      0.161 0.160       0.163 0.175       0.165 0.170 0.183        0.168    5.14
69)  1,2-dichloropropane
      0.330 0.318       0.327 0.327 0.306 0.300 0.324 0.374        0.326    6.81
70)  methylcyclohexane
      0.507 0.450 0.590 0.472 0.467 0.498 0.433 0.466 0.424        0.478   10.38
71)  Tert-amyl ethyl ether
                                                                   0.000   -1.00
72)  dibromomethane
      0.190 0.182       0.183 0.187 0.166 0.177 0.183 0.196        0.183    4.94
73)  bromodichloromethane
      0.434 0.409 0.447 0.425 0.440 0.393 0.414 0.420 0.461 0.308  0.415   10.21
74)  cis-1,3-dichloropropene
      0.504 0.482 0.521 0.494 0.509 0.460 0.477 0.498 0.560 0.469  0.497    5.80
75)  toluene-d8 (s)
      1.134 1.130 1.125 1.123 1.130 1.130 1.132 1.124 1.132 1.129  1.129    0.33
76)  4-methyl-2-pentanone
      0.095 0.093       0.099 0.102       0.096 0.105 0.101        0.099    4.13
77)  toluene
      1.279 1.194       1.190 1.193 1.477 1.093 1.168 1.433        1.253   10.74
78)  3-methyl-1-butanol
      0.007 0.007       0.008 0.008       0.008 0.008 0.009        0.008    7.30
79)  trans-1,3-dichloropropene
      0.435 0.411 0.451 0.427 0.439 0.399 0.408 0.432 0.482        0.432    5.81
80)  ethyl methacrylate
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VY6930-ICC6930
Account: EEENJF Equity Environmental Engineering **Lab FileID:** Y158709.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
      0.326 0.309 0.274 0.322 0.333 0.294 0.310 0.327 0.347        0.316    6.93
 81)  1,1,2-trichloroethane
      0.212 0.196 0.194 0.202 0.208 0.172 0.194 0.204 0.238        0.202    8.81
 82)  2-hexanone
      0.080 0.078       0.081 0.086       0.079 0.088 0.088        0.083    5.38

 83) I   chlorobenzene-d5      ----------------ISTD---------------------
 84)  tetrachloroethene
      0.374 0.344 0.326 0.360 0.360 0.358 0.339 0.348 0.403        0.357    6.22
 85)  1,3-dichloropropane
      0.520 0.490 0.491 0.494 0.504 0.466 0.472 0.499 0.559        0.499    5.50
 86)  butyl acetate
      0.220 0.191       0.194 0.198       0.185 0.207 0.193        0.198    5.86
 87)  dibromochloromethane
      0.363 0.343       0.367 0.389 0.325 0.378 0.368 0.398        0.366    6.42
 88)  1,2-dibromoethane
      0.314 0.290 0.243 0.297 0.311 0.261 0.298 0.306 0.342        0.296    9.97
 89)  3,3-Dimethyl-1-Butanol
      0.036 0.033       0.035 0.038 0.031 0.037 0.038 0.045        0.037   11.03
 90)  n-butyl ether
      1.813 1.659       1.729 1.725 1.843 1.573 1.724 1.943        1.751    6.51
 91)  chlorobenzene
      0.973 0.915 1.025 0.957 0.965 0.959 0.900 0.937 1.074 1.011  0.972    5.40
 92)  1,1,1,2-tetrachloroethane
      0.402 0.379 0.395 0.392 0.400 0.375 0.383 0.395 0.421 0.298  0.384    8.56
 93)  ethylbenzene
      1.760 1.663 1.999 1.700 1.678 1.964 1.514 1.664 1.961 1.965  1.787    9.57
 94)  m,p-xylene
      0.642 0.610 0.693 0.627 0.615 0.681 0.553 0.615 0.701 0.703  0.644    7.66
 95)  o-xylene
      1.530 1.429 1.660 1.459 1.457 1.673 1.328 1.425 1.672 1.959  1.559   11.81
 96)  styrene
      1.062 1.034 1.123 1.068 1.069 1.023 0.964 1.043 1.206 1.137  1.073    6.32
 97)  bromoform
      0.228 0.226 0.189 0.240 0.255 0.188 0.248 0.242 0.249        0.230   10.93

 98) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 99)  isopropylbenzene
      3.598 3.319 3.766 3.525 3.487 3.894 3.206 3.403 3.882 4.056  3.613    7.66
100)  4-bromofluorobenzene (s)
      1.102 1.115 1.109 1.116 1.114 1.121 1.100 1.105 1.113 1.095  1.109    0.73
101)  cis-1,4-dichloro-2-butene
                                                                   0.000   -1.00
102)  bromobenzene
      0.905 0.865 0.924 0.887 0.889 0.961 0.811 0.874 1.042        0.907    7.23
103)  cyclohexanone
      0.106 0.085       0.094 0.093       0.090 0.114 0.115        0.099   11.95
104)  1,1,2,2-tetrachloroethane
      0.950 0.888 0.862 0.905 0.916 0.924 0.863 0.928 1.003        0.915    4.81
105)  trans-1,4-dichloro-2-butene
      0.235 0.217       0.228 0.230 0.187 0.217 0.233 0.242        0.224    7.59
106)  1,2,3-trichloropropane
      0.205 0.192       0.192 0.193       0.181 0.199 0.220        0.198    6.21
107)  n-propylbenzene
      4.370 4.071       4.126 3.992 4.908 3.540 4.062 4.864        4.242   10.83
108)  4-Ethyltoluene
      3.161 3.262 3.903 3.047 3.055 3.467 2.903 3.072 3.498        3.263    9.52
109)  2-chlorotoluene
      0.906 0.840 0.877 0.862 0.847 0.951 0.766 0.833 0.938        0.869    6.58
110)  4-chlorotoluene
```

Initial Calibration Summary

Job Number: JC10922 **Sample:** VY6930-ICC6930
Account: EEENJF Equity Environmental Engineering **Lab FileID:** Y158709.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
       2.842 2.686 3.370 2.722 2.715 3.176 2.490 2.675 3.247        2.880   10.62
111)  1,3,5-trimethylbenzene
       3.146 2.926 3.197 3.094 3.071 3.432 2.758 2.995 3.486        3.123    7.38
112)  tert-butylbenzene
       2.448 2.258       2.403 2.408 2.655 2.293 2.280 2.700        2.430    6.89
113)  pentachloroethane
       0.574 0.531 0.565 0.587 0.604 0.514 0.582 0.564 0.603        0.569    5.37
114)  1,2,4-trimethylbenzene
       3.172 2.980 3.560 3.144 3.135 3.293 2.858 3.045 3.385 3.411  3.198    6.71
115)  sec-butylbenzene
       4.053 3.763 4.243 3.962 3.894 4.278 3.560 3.807 4.333 4.325  4.022    6.69
116)  1,3-dichlorobenzene
       1.862 1.763 1.914 1.803 1.801 1.870 1.676 1.752 2.037 1.933  1.841    5.66
117)  p-isopropyltoluene
       3.309 3.055 3.587 3.253 3.223 3.547 2.969 3.115 3.617        3.297    7.24
118)  1,4-dichlorobenzene
       1.835 1.730 1.854 1.789 1.797 1.833 1.660 1.745 2.021 2.018  1.828    6.36
119)  1,2-dichlorobenzene
       1.761 1.646 1.804 1.720 1.731 1.680 1.620 1.695 1.914 1.844  1.742    5.23
120)  n-butylbenzene
       1.965 1.749 1.965 1.868 1.819 2.042 1.643 1.823 2.038 1.757  1.867    7.13
121)  p-Diethylbenzene
       1.536 1.581       1.585 1.631 1.772 1.541 1.531 1.790        1.621    6.43
122)  1,2-dibromo-3-chloropropane
       0.159 0.153       0.167 0.172 0.128 0.167 0.169 0.160        0.159    8.88
123)  1,3,5-Trichlorobenzene
       1.562 1.459 1.603 1.609 1.609 1.581 1.496 1.525 1.682 1.616  1.574    4.16
124)  1,2,4-trichlorobenzene
       1.252 1.207 1.240 1.370 1.409 1.140 1.338 1.298 1.382 1.383  1.302    6.86
125)  1,2,4,5-tetramethylbenzene
       3.085 3.092 3.661 3.197 3.330 3.059 3.140 3.056 3.312        3.215    6.11
126)  hexachlorobutadiene
       0.872 0.796 0.916 0.874 0.861 0.961 0.814 0.814 0.955        0.873    6.93
127)  naphthalene
       2.310 2.191 2.366 2.476 2.531 2.056 2.441 2.449 2.449        2.363    6.49
128)  1,2,3-trichlorobenzene
       1.122 1.033 1.149 1.216 1.254 1.006 1.209 1.173 1.179 1.252  1.159    7.33
129)  hexachloroethane
       0.698 0.665       0.691 0.700 0.850 0.667 0.662 0.782        0.714    9.39
130)  Benzyl chloride
       1.886 1.722       1.847 1.877 1.903 1.758 1.908 2.094        1.874    5.98
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MYS6930.M         Wed Dec 30 10:17:48 2015   RPT1
```

Initial Calibration Verification

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VY6930-ICV6930
Lab FileID: Y158714.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\Y158714.D Vial: 14
Acq On : 8 Nov 2015 5:48 pm Operator: prashans
Sample : ICV6930-50 Inst : MSY
Misc : MS94020,VY6930,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6930.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Tue Nov 10 11:05:21 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	108	0.00	7.27
2	1,4-dioxane	0.110	0.126	-14.5	114	0.00	11.13
3	tertiary butyl alcohol	1.297	1.343	-3.5	112	0.00	7.39
4 I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	9.48
5	propene		----------NA----------				
6	chlorodifluoromethane	0.419	0.345	17.7	80	0.00	3.92
7	dichlorodifluoromethane	0.569	0.519	8.8	90	0.00	3.89
8	chloromethane	0.661	0.579	12.4	95	0.00	4.22
9	vinyl chloride	0.573	0.525	8.4	93	0.00	4.49
10	1,3-butadiene		----------NA----------				
11	bromomethane	0.373	0.318	14.7	92	0.00	5.12
12	chloroethane	0.268	0.251	6.3	92	0.00	5.29
13	Vinyl Bromide		----------NA----------				
14	trichlorofluoromethane	0.604	0.542	10.3	92	0.00	5.76
15	ethyl ether	0.208	0.204	1.9	103	0.00	6.14
16	2-chloropropane	0.171	0.161	5.8	92	0.00	6.35
17	acrolein	0.084	0.079	6.0	104	0.00	6.42
18	1,1-dichloroethene	0.617	0.539	12.6	91	0.00	6.57
19	acetone	0.034	0.032	5.9	103	0.00	6.62
20	allyl chloride	0.220	0.202	8.2	94	0.00	7.10
21	acetonitrile	0.106	0.102	3.8	103	0.00	7.11
22	iodomethane	0.716	0.664	7.3	96	0.00	6.86
23	carbon disulfide	1.459	1.252	14.2	92	0.00	6.99
	----------	True	Calc.	% Drift	----------		
24	1-chloropropane	50.000	48.078	3.8	94	0.00	7.33
	----------	AvgRF	CCRF	% Dev	----------		
25	methylene chloride	0.680	0.611	10.1	98	0.00	7.30
26	methyl acetate	0.247	0.268	-8.5	120	0.00	7.08
27	methyl tert butyl ether	1.235	1.193	3.4	106	0.00	7.61
28	trans-1,2-dichloroethene	0.628	0.564	10.2	94	0.00	7.67
29	di-isopropyl ether	1.468	1.465	0.2	106	0.00	8.20
30	ethyl tert-butyl ether	1.378	1.419	-3.0	107	0.00	8.66
31	2-butanone	0.039	0.040	-2.6	108	0.00	8.94
32	1,1-dichloroethane	0.782	0.720	7.9	97	0.00	8.24
33	chloroprene	0.534	0.518	3.0	99	0.00	8.34
34	acrylonitrile	0.125	0.130	-4.0	109	0.00	7.63
35	vinyl acetate	0.060	0.068	-13.3	117	0.00	8.22
36	ethyl acetate	0.046	0.053	-15.2	123	0.00	8.94
37	2,2-dichloropropane	0.692	0.584	15.6	92	0.00	8.97

Initial Calibration Verification

Job Number: JC10922 **Sample:** VY6930-ICV6930
Account: EEENJF Equity Environmental Engineering **Lab FileID:** Y158714.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

38		cis-1,2-dichloroethene	0.293	0.286	2.4	97	0.00	8.97
39		propionitrile	0.047	0.050	-6.4	108	0.00	9.05
40		bromochloromethane	0.267	0.272	-1.9	102	0.00	9.28
41		tetrahydrofuran	0.043	0.047	-9.3	107	0.00	9.32
42		chloroform	0.772	0.710	8.0	98	0.00	9.34
43		tert-Butyl Formate	0.336	0.350	-4.2	108	0.00	9.37
44		isobutyl alcohol	0.014	0.013	7.1	110	0.00	9.78
45	S	dibromofluoromethane (s)	0.433	0.429	0.9	102	0.00	9.54
46	S	1,2-dichloroethane-d4 (s)	0.428	0.448	-4.7	108	0.00	9.96
47		freon 113	0.256	0.270	-5.5	103	0.00	6.54
48		methacrylonitrile	0.134	0.138	-3.0	106	0.00	9.22
49		1,1,1-trichloroethane	0.649	0.568	12.5	94	0.00	9.59
50		Cyclohexane	0.633	0.558	11.8	92	0.00	9.66
51		2,2,4-trimethylpentane	1.509	1.388	8.0	95	0.00	10.01
52		tert-amyl methyl ether	1.258	1.285	-2.1	107	0.00	10.05
53	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	10.40
54		epichlorohydrin	0.025	0.026	-4.0	112	0.00	11.66
55		n-butyl alcohol	0.009	0.009	0.0	115	0.00	10.53
56		carbon tetrachloride	0.406	0.364	10.3	93	0.00	9.79
57		1,1-dichloropropene	0.410	0.356	13.2	93	0.00	9.76
58		hexane	0.312	0.284	9.0	93	0.00	7.95
59		Tert Amyl Alcohol		----------NA----------				
60		benzene	1.317	1.148	12.8	97	0.00	10.02
61		heptane	0.203	0.203	0.0	99	0.00	10.18
		----------	True	Calc.	% Drift	----------		
62		isopropyl acetate	50.000	54.162	-8.3	111	0.00	9.95
		----------	AvgRF	CCRF	% Dev	----------		
63		1,2-dichloroethane	0.377	0.373	1.1	102	0.00	10.05
64		trichloroethene	0.315	0.285	9.5	94	0.00	10.74
65		ethyl acrylate		----------NA----------				
66		2-nitropropane	0.089	0.090	-1.1	110	0.00	11.53
67		2-chloroethyl vinyl ether	0.140	0.158	-12.9	115	0.00	11.53
68		methyl methacrylate	0.168	0.177	-5.4	112	0.00	11.00
69		1,2-dichloropropane	0.326	0.316	3.1	99	0.00	11.01
70		methylcyclohexane	0.478	0.454	5.0	99	0.00	10.95
71		Tert-amyl ethyl ether		----------NA----------				
72		dibromomethane	0.183	0.183	0.0	103	0.00	11.17
73		bromodichloromethane	0.415	0.418	-0.7	101	0.00	11.30
74		cis-1,3-dichloropropene	0.497	0.488	1.8	101	0.00	11.75
75	S	toluene-d8 (s)	1.129	1.130	-0.1	103	0.00	12.03
76		4-methyl-2-pentanone	0.099	0.104	-5.1	108	0.00	11.84
77		toluene	1.253	1.123	10.4	97	0.00	12.11
78		3-methyl-1-butanol	0.008	0.009	-12.5	115	0.00	11.86
79		trans-1,3-dichloropropene	0.432	0.429	0.7	103	0.00	12.31
80		ethyl methacrylate	0.316	0.333	-5.4	106	0.00	12.29
81		1,1,2-trichloroethane	0.202	0.205	-1.5	104	0.00	12.52
82		2-hexanone	0.083	0.088	-6.0	111	0.00	12.69
83	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	13.53
84		tetrachloroethene	0.357	0.333	6.7	94	0.00	12.69
85		1,3-dichloropropane	0.499	0.504	-1.0	104	0.00	12.70
86		butyl acetate	0.198	0.219	-10.6	114	0.00	12.75
87		dibromochloromethane	0.366	0.376	-2.7	104	0.00	12.96
88		1,2-dibromoethane	0.296	0.307	-3.7	104	0.00	13.12
89		3,3-Dimethyl-1-Butanol	0.037	0.040	-8.1	117	0.00	12.85
90		n-butyl ether	1.751	1.667	4.8	98	0.00	13.47
91		chlorobenzene	0.972	0.928	4.5	98	0.00	13.57

Initial Calibration Verification

Job Number: JC10922 **Sample:** VY6930-ICV6930
Account: EEENJF Equity Environmental Engineering **Lab FileID:** Y158714.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

92		1,1,1,2-tetrachloroethane	0.384	0.383	0.3	99	0.00	13.63
93		ethylbenzene	1.787	1.593	10.9	95	0.00	13.62
94		m,p-xylene	0.644	0.587	8.9	95	0.00	13.72
95		o-xylene	1.559	1.396	10.5	97	0.00	14.14
96		styrene	1.073	1.041	3.0	99	0.00	14.15
97		bromoform	0.230	0.246	-7.0	104	0.00	14.42
98	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	15.83
99		isopropylbenzene	3.613	3.273	9.4	94	0.00	14.48
100	S	4-bromofluorobenzene (s)	1.109	1.107	0.2	101	0.00	14.68
101		cis-1,4-dichloro-2-butene		----------NA----------				
102		bromobenzene	0.907	0.874	3.6	100	0.00	14.87
103		cyclohexanone	0.099	0.098	1.0	106	0.00	14.65
104		1,1,2,2-tetrachloroethane	0.915	0.940	-2.7	105	0.00	14.79
105		trans-1,4-dichloro-2-bute	0.224	0.234	-4.5	104	0.00	14.83
106		1,2,3-trichloropropane	0.198	0.203	-2.5	107	0.00	14.86
107		n-propylbenzene	4.242	3.831	9.7	94	0.00	14.88
108		4-Ethyltoluene		----------NA----------				
109		2-chlorotoluene	0.869	0.822	5.4	97	0.00	15.03
110		4-chlorotoluene	2.880	2.620	9.0	98	0.00	15.12
111		1,3,5-trimethylbenzene	3.123	2.936	6.0	96	0.00	15.02
112		tert-butylbenzene	2.430	2.302	5.3	97	0.00	15.37
113		pentachloroethane	0.569	0.579	-1.8	100	0.00	15.46
114		1,2,4-trimethylbenzene	3.198	2.987	6.6	96	0.00	15.42
115		sec-butylbenzene	4.022	3.690	8.3	95	0.00	15.58
116		1,3-dichlorobenzene	1.841	1.746	5.2	98	0.00	15.78
117		p-isopropyltoluene	3.297	3.025	8.2	94	0.00	15.70
118		1,4-dichlorobenzene	1.828	1.725	5.6	98	0.00	15.86
119		1,2-dichlorobenzene	1.742	1.700	2.4	100	0.00	16.25
120		n-butylbenzene	1.867	1.733	7.2	94	0.00	16.12
121		p-Diethylbenzene		----------NA----------				
122		1,2-dibromo-3-chloropropa	0.159	0.173	-8.8	105	0.00	17.03
123		1,3,5-Trichlorobenzene	1.574	1.526	3.0	96	0.00	17.21
124		1,2,4-trichlorobenzene	1.302	1.328	-2.0	98	0.00	17.84
125		1,2,4,5-tetramethylbenzen		----------NA----------				
126		hexachlorobutadiene	0.873	0.819	6.2	95	0.00	17.95
127		naphthalene	2.363	2.519	-6.6	103	0.00	18.12
128		1,2,3-trichlorobenzene	1.159	1.195	-3.1	100	0.00	18.36
129		hexachloroethane	0.714	0.660	7.6	97	0.00	16.50
130		Benzyl chloride	1.874	1.880	-0.3	103	0.00	15.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y158709.D MYS6930.M Tue Nov 10 11:06:39 2015 RPT1

Continuing Calibration Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VY6974-CC6930
Lab FileID: Y159821.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\Y159821.D Vial: 2
Acq On : 20 Dec 2015 10:59 am Operator: prashans
Sample : CC6930-20 Inst : MSY
Misc : MS96302,VY6974,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6930.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Tue Nov 10 11:05:21 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	90	-0.03	7.24
2	1,4-dioxane	0.110	0.096	12.7	78	-0.02	11.11
3	tertiary butyl alcohol	1.297	1.283	1.1	91	-0.05	7.35
4 I	pentafluorobenzene	1.000	1.000	0.0	71	-0.02	9.46
5	propene		----------NA----------				
6	chlorodifluoromethane	0.419	0.520	-24.1#	88	-0.01	3.90
7	dichlorodifluoromethane	0.569	0.606	-6.5	74	0.00	3.89
8	chloromethane	0.661	0.708	-7.1	77	-0.05	4.18
9	vinyl chloride	0.573	0.604	-5.4	74	-0.03	4.46
10	1,3-butadiene		----------NA----------				
11	bromomethane	0.373	0.405	-8.6	78	-0.03	5.10
12	chloroethane	0.268	0.293	-9.3	75	-0.01	5.28
13	Vinyl Bromide		----------NA----------				
14	trichlorofluoromethane	0.604	0.627	-3.8	75	-0.05	5.71
15	ethyl ether	0.208	0.225	-8.2	77	-0.03	6.12
16	2-chloropropane	0.171	0.179	-4.7	73	-0.03	6.33
17	acrolein	0.084	0.100	-19.0	84	-0.03	6.39
18	1,1-dichloroethene	0.617	0.631	-2.3	75	-0.03	6.55
19	acetone	0.034	0.037	-8.8	69	-0.04	6.60
20	allyl chloride	0.220	0.237	-7.7	77	-0.02	7.09
21	acetonitrile	0.106	0.138	-30.2#	93	-0.02	7.08
22	iodomethane	0.716	0.742	-3.6	75	-0.03	6.84
23	carbon disulfide	1.459	1.485	-1.8	76	-0.02	6.96
	----------	True	Calc.	% Drift	----------		
24	1-chloropropane	20.000	21.004	-5.0	76	-0.03	7.30
	----------	AvgRF	CCRF	% Dev	----------		
25	methylene chloride	0.680	0.793	-16.6	85	-0.03	7.28
26	methyl acetate	0.247	0.309	-25.1#	86	-0.03	7.06
27	methyl tert butyl ether	1.235	1.464	-18.5	87	-0.02	7.60
28	trans-1,2-dichloroethene	0.628	0.664	-5.7	78	-0.02	7.64
29	di-isopropyl ether	1.468	1.756	-19.6	87	-0.01	8.19
30	ethyl tert-butyl ether	1.378	1.637	-18.8	84	-0.02	8.65
31	2-butanone	0.039	0.041	-5.1	68	0.00	8.93
32	1,1-dichloroethane	0.782	0.825	-5.5	77	-0.02	8.21
33	chloroprene	0.534	0.586	-9.7	78	-0.03	8.31
34	acrylonitrile	0.125	0.163	-30.4#	88	-0.03	7.61
35	vinyl acetate	0.060	0.059	1.7	67	-0.02	8.20
36	ethyl acetate	0.046	0.054	-17.4	79	-0.02	8.93
37	2,2-dichloropropane	0.692	0.739	-6.8	82	-0.02	8.96

Continuing Calibration Summary

Job Number: JC10922 **Sample:** VY6974-CC6930
Account: EEENJF Equity Environmental Engineering **Lab FileID:** Y159821.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

38		cis-1,2-dichloroethene	0.293	0.308	-5.1	73	-0.02	8.95
39		propionitrile	0.047	0.063	-34.0#	87	-0.02	9.03
40		bromochloromethane	0.267	0.286	-7.1	74	-0.02	9.27
41		tetrahydrofuran	0.043	0.051	-18.6	75	-0.02	9.30
42		chloroform	0.772	0.788	-2.1	76	-0.02	9.32
43		tert-Butyl Formate	0.336	0.414	-23.2#	84	-0.01	9.35
44		isobutyl alcohol	0.014	0.018	-28.6#	81	-0.02	9.76
45	S	dibromofluoromethane (s)	0.433	0.430	0.7	70	-0.02	9.52
46	S	1,2-dichloroethane-d4 (s)	0.428	0.451	-5.4	73	-0.02	9.94
47		freon 113	0.256	0.320	-25.0#	85	-0.03	6.52
48		methacrylonitrile	0.134	0.153	-14.2	78	-0.02	9.20
49		1,1,1-trichloroethane	0.649	0.700	-7.9	81	-0.01	9.57
50		Cyclohexane	0.633	0.655	-3.5	76	-0.01	9.64
51		2,2,4-trimethylpentane	1.509	1.509	0.0	72	-0.02	9.99
52		tert-amyl methyl ether	1.258	1.432	-13.8	80	-0.02	10.03
53	I	1,4-difluorobenzene	1.000	1.000	0.0	65	-0.02	10.38
54		epichlorohydrin	0.025	0.029	-16.0	71	-0.02	11.65
55		n-butyl alcohol	0.009	0.011	-22.2#	79	0.00	10.51
56		carbon tetrachloride	0.406	0.492	-21.2#	82	-0.02	9.77
57		1,1-dichloropropene	0.410	0.405	1.2	68	-0.02	9.75
58		hexane	0.312	0.371	-18.9	78	-0.02	7.93
59		Tert Amyl Alcohol		----------NA----------				
60		benzene	1.317	1.351	-2.6	72	-0.02	10.01
61		heptane	0.203	0.222	-9.4	73	0.00	10.17
		----------	True	Calc.	% Drift	----------		
62		isopropyl acetate	20.000	25.464	-27.3#	79	-0.02	9.93
		----------	AvgRF	CCRF	% Dev	----------		
63		1,2-dichloroethane	0.377	0.452	-19.9	78	-0.02	10.03
64		trichloroethene	0.315	0.326	-3.5	71	-0.01	10.72
65		ethyl acrylate		----------NA----------				
66		2-nitropropane	0.089	0.103	-15.7	73	-0.02	11.50
67		2-chloroethyl vinyl ether	0.140	0.138	1.4	62	-0.02	11.51
68		methyl methacrylate	0.168	0.193	-14.9	74	-0.01	10.99
69		1,2-dichloropropane	0.326	0.375	-15.0	76	-0.01	11.00
70		methylcyclohexane	0.478	0.558	-16.7	78	0.00	10.94
71		Tert-amyl ethyl ether		----------NA----------				
72		dibromomethane	0.183	0.208	-13.7	74	-0.02	11.15
73		bromodichloromethane	0.415	0.473	-14.0	73	-0.01	11.28
74		cis-1,3-dichloropropene	0.497	0.527	-6.0	69	-0.02	11.73
75	S	toluene-d8 (s)	1.129	1.185	-5.0	69	-0.01	12.02
76		4-methyl-2-pentanone	0.099	0.127	-28.3#	79	0.00	11.83
77		toluene	1.253	1.248	0.4	70	0.00	12.10
78		3-methyl-1-butanol	0.008	0.009	-12.5	75	0.00	11.85
79		trans-1,3-dichloropropene	0.432	0.472	-9.3	71	0.00	12.30
80		ethyl methacrylate	0.316	0.371	-17.4	74	-0.01	12.28
81		1,1,2-trichloroethane	0.202	0.231	-14.4	74	-0.01	12.51
82		2-hexanone	0.083	0.099	-19.3	73	0.00	12.68
83	I	chlorobenzene-d5	1.000	1.000	0.0	68	-0.01	13.52
84		tetrachloroethene	0.357	0.376	-5.3	74	-0.01	12.68
85		1,3-dichloropropane	0.499	0.531	-6.4	73	-0.01	12.69
86		butyl acetate	0.198	0.223	-12.6	74	0.00	12.75
87		dibromochloromethane	0.366	0.406	-10.9	75	-0.02	12.95
88		1,2-dibromoethane	0.296	0.326	-10.1	73	-0.01	13.10
89		3,3-Dimethyl-1-Butanol	0.037	0.043	-16.2	77	-0.01	12.84
90		n-butyl ether	1.751	1.729	1.3	69	0.00	13.46
91		chlorobenzene	0.972	0.992	-2.1	72	0.00	13.56

Continuing Calibration Summary

Job Number: JC10922 **Sample:** VY6974-CC6930
Account: EEENJF Equity Environmental Engineering **Lab FileID:** Y159821.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

92		1,1,1,2-tetrachloroethane	0.384	0.455	-18.5	79	-0.01	13.62
93		ethylbenzene	1.787	1.732	3.1	71	-0.01	13.61
94		m,p-xylene	0.644	0.656	-1.9	73	0.00	13.72
95		o-xylene	1.559	1.540	1.2	74	0.00	14.13
96		styrene	1.073	1.126	-4.9	74	-0.01	14.14
97		bromoform	0.230	0.299	-30.0#	84	-0.01	14.41
98	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	77	0.00	15.83
99		isopropylbenzene	3.613	3.294	8.8	74	-0.01	14.46
100	S	4-bromofluorobenzene (s)	1.109	1.052	5.1	73	0.00	14.67
101		cis-1,4-dichloro-2-butene		----------NA----------				
102		bromobenzene	0.907	0.929	-2.4	82	-0.01	14.87
103		cyclohexanone	0.099	0.036	63.6#	25#	0.00	14.64
104		1,1,2,2-tetrachloroethane	0.915	0.905	1.1	75	-0.01	14.78
105		trans-1,4-dichloro-2-bute	0.224	0.220	1.8	73	-0.02	14.81
106		1,2,3-trichloropropane	0.198	0.218	-10.1	84	0.00	14.85
107		n-propylbenzene	4.242	3.844	9.4	73	0.00	14.87
108		4-Ethyltoluene		----------NA----------				
109		2-chlorotoluene	0.869	0.855	1.6	79	-0.01	15.02
110		4-chlorotoluene	2.880	2.577	10.5	74	0.00	15.12
111		1,3,5-trimethylbenzene	3.123	2.999	4.0	77	-0.01	15.02
112		tert-butylbenzene	2.430	2.265	6.8	76	0.00	15.36
113		pentachloroethane	0.569	0.624	-9.7	85	-0.01	15.45
114		1,2,4-trimethylbenzene	3.198	3.085	3.5	78	0.00	15.41
115		sec-butylbenzene	4.022	3.661	9.0	74	0.00	15.58
116		1,3-dichlorobenzene	1.841	1.871	-1.6	82	0.00	15.77
117		p-isopropyltoluene	3.297	3.094	6.2	76	0.00	15.70
118		1,4-dichlorobenzene	1.828	1.815	0.7	80	-0.01	15.85
119		1,2-dichlorobenzene	1.742	1.857	-6.6	84	0.00	16.25
120		n-butylbenzene	1.867	1.614	13.6	68	0.00	16.11
121		p-Diethylbenzene		----------NA----------				
122		1,2-dibromo-3-chloropropa	0.159	0.193	-21.4#	88	-0.01	17.02
123		1,3,5-Trichlorobenzene	1.574	1.644	-4.4	83	-0.01	17.19
124		1,2,4-trichlorobenzene	1.302	1.250	4.0	74	-0.01	17.83
125		1,2,4,5-tetramethylbenzen		----------NA----------				
126		hexachlorobutadiene	0.873	0.937	-7.3	89	0.00	17.94
127		naphthalene	2.363	2.131	9.8	67	-0.01	18.10
128		1,2,3-trichlorobenzene	1.159	1.144	1.3	75	-0.01	18.35
129		hexachloroethane	0.714	0.642	10.1	74	0.00	16.50
130		Benzyl chloride	1.874	1.558	16.9	63	-0.01	15.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y158708.D MYS6930.M Mon Dec 21 15:38:35 2015 RPT1

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158450.D
Acq On : 18 Dec 2015 6:15 pm
Operator : payalr
Sample : jc10922-1
Misc : MS96266,VV6686,6.0,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 21 16:02:14 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.68	65	186780	500.00 ug/L	0.00
4) pentafluorobenzene	9.91	168	438646	50.00 ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	542868	50.00 ug/L	0.00
82) chlorobenzene-d5	14.27	117	507786	50.00 ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	289411	50.00 ug/L	0.00

System Monitoring Compounds

48) dibromofluoromethane (s)	10.00	113	170523	48.97 ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 97.94%		
49) 1,2-dichloroethane-d4 (s)	10.43	65	154905	45.00 ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 90.00%		
74) toluene-d8 (s)	12.58	98	654105	49.76 ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.52%		
97) 4-bromofluorobenzene (s)	15.57	95	249051	49.51 ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 99.02%		

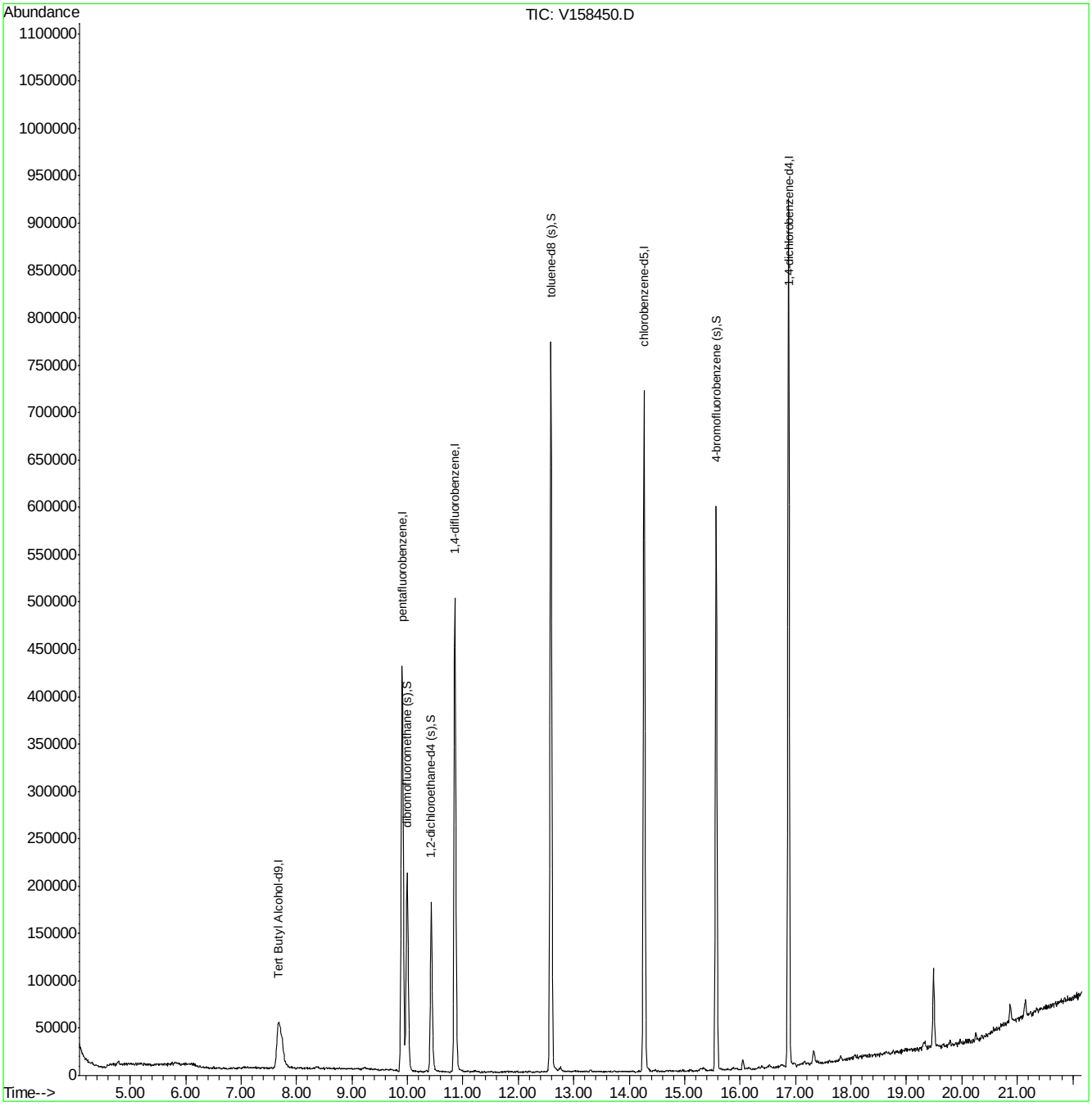
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158450.D
Acq On : 18 Dec 2015 6:15 pm
Operator : payalr
Sample : jc10922-1
Misc : MS96266,VV6686,6.0,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 21 16:02:14 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 12/24/15 11:58

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158451.D
Acq On : 18 Dec 2015 6:44 pm
Operator : payalr
Sample : jc10922-2
Misc : MS96266,VV6686,6.2,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 21 16:03:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

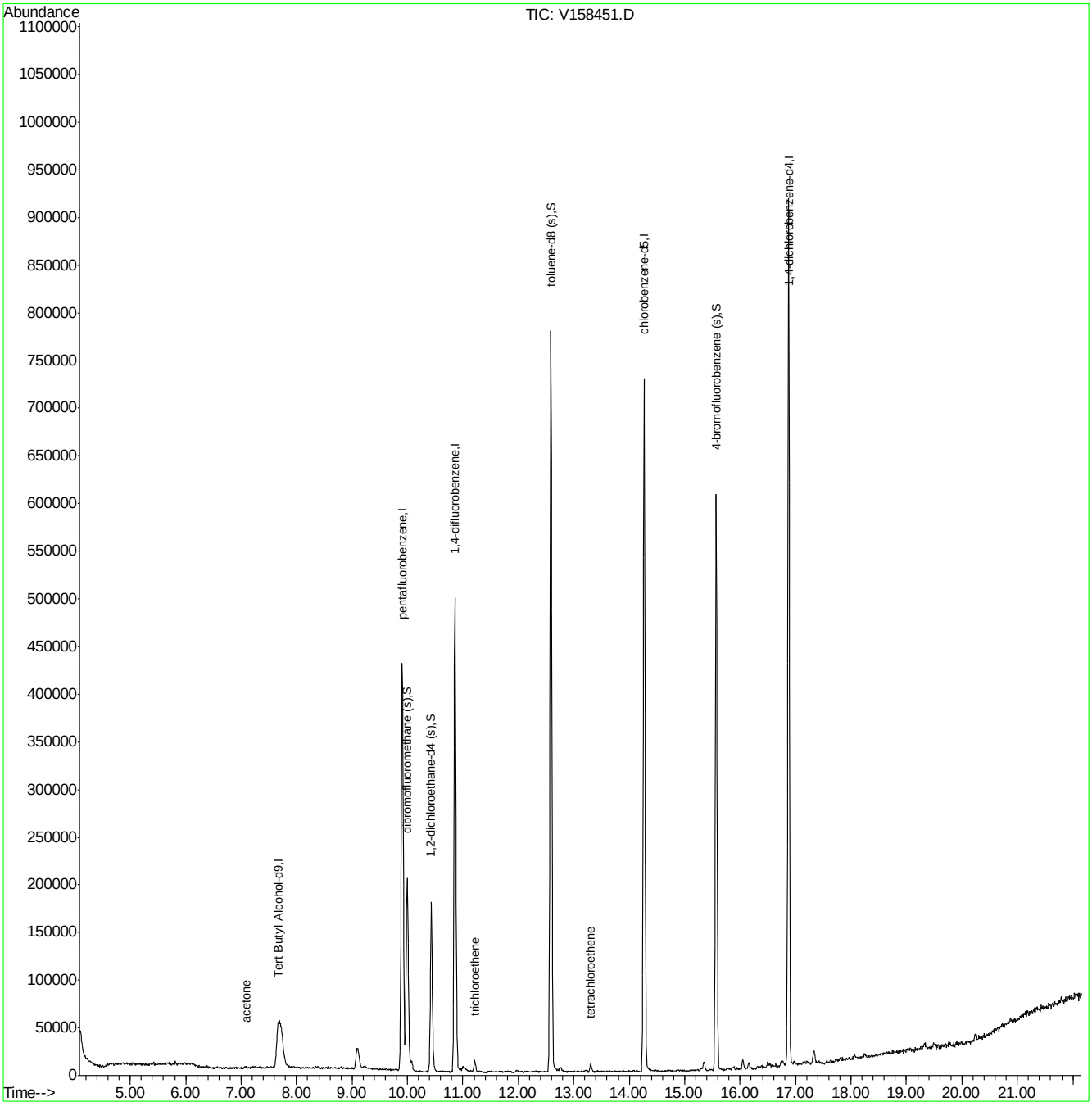
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.67	65	196542	500.00	ug/L	-0.02
4) pentafluorobenzene	9.91	168	441249	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	544830	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	509866	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	287529	50.00	ug/L	0.00
System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	171770	49.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 98.08%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	153080	44.20	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 88.40%			
74) toluene-d8 (s)	12.58	98	657804	49.86	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.72%			
97) 4-bromofluorobenzene (s)	15.57	95	252535	50.00	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
20) acetone	7.09	58	928m	3.18	ug/L	
66) trichloroethene	11.21	95	5029	1.36	ug/L	93
83) tetrachloroethene	13.30	166	3239	0.74	ug/L	94

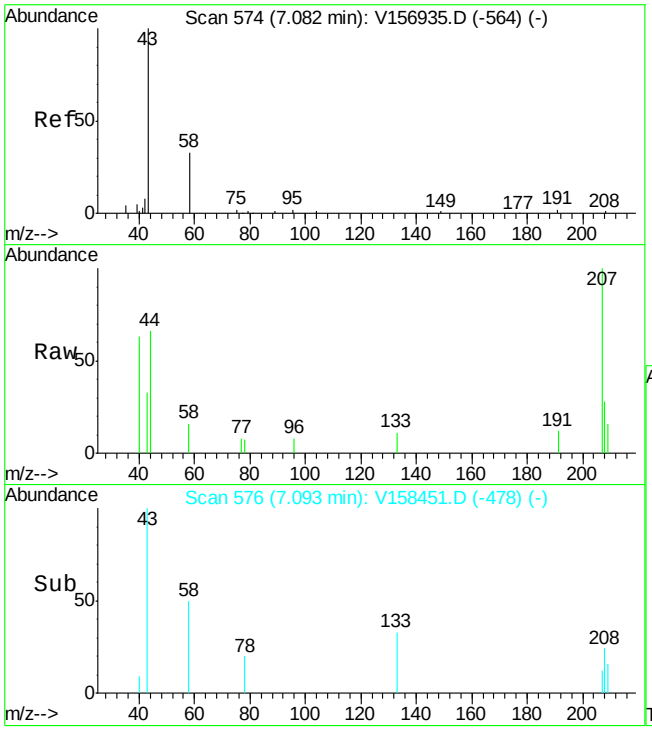
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158451.D
Acq On : 18 Dec 2015 6:44 pm
Operator : payalr
Sample : jc10922-2
Misc : MS96266,VV6686,6.2,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 21 16:03:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

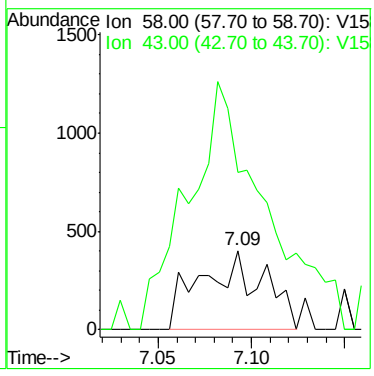


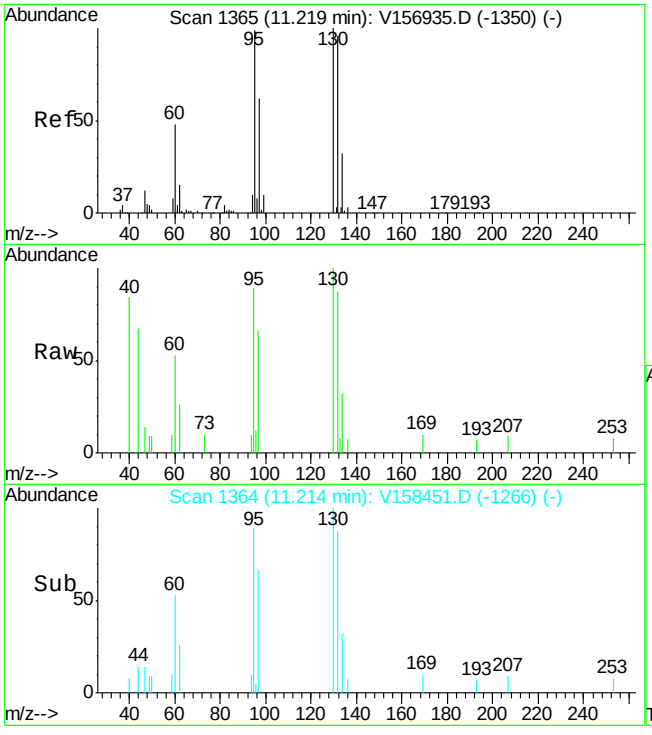


#20
acetone
Concen: 3.18 ug/L m
RT: 7.09 min Scan# 576
Delta R.T. 0.01 min
Lab File: V158451.D
Acq: 18 Dec 2015 6:44 pm

Tgt Ion: 58 Resp: 928

Ion	Ratio	Lower	Upper
58	100		
43	198.3	215.7	400.5#

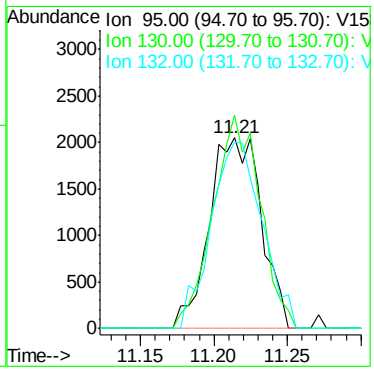


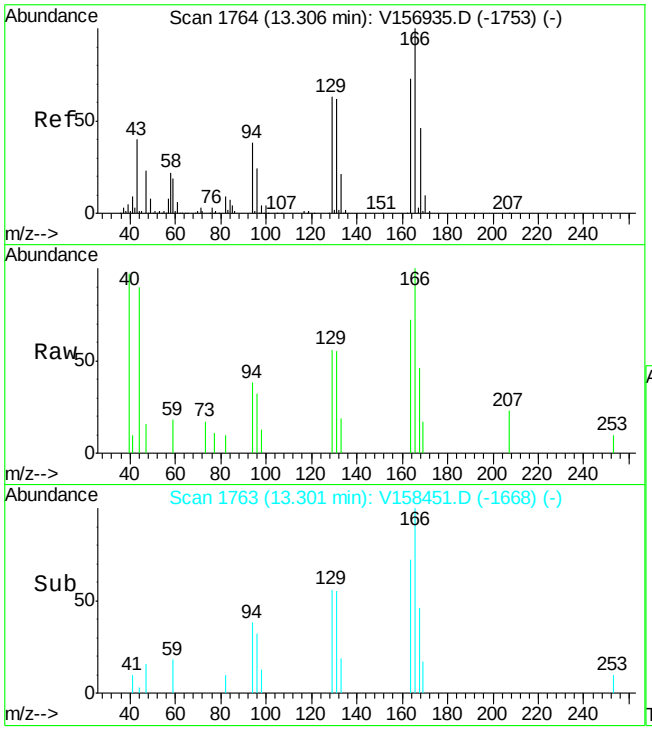


#66
trichloroethene
Concen: 1.36 ug/L
RT: 11.21 min Scan# 1364
Delta R.T. -0.01 min
Lab File: V158451.D
Acq: 18 Dec 2015 6:44 pm

Tgt Ion: 95 Resp: 5029

Ion	Ratio	Lower	Upper
95	100		
130	99.0	71.3	131.3
132	86.3	67.2	127.2

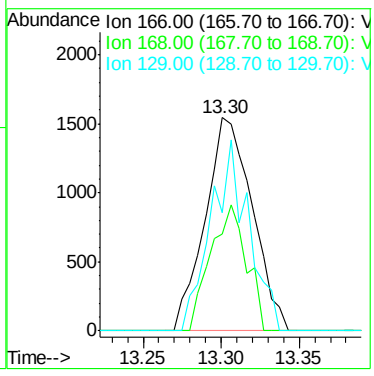




#83
tetrachloroethene
Concen: 0.74 ug/L
RT: 13.30 min Scan# 1763
Delta R.T. -0.01 min
Lab File: V158451.D
Acq: 18 Dec 2015 6:44 pm

Tgt Ion:166 Resp: 3239

Ion	Ratio	Lower	Upper
166	100		
168	45.5	16.0	76.0
129	55.5	32.9	92.9



7.1.2

7

Manual Integration Approval Summary

Sample Number:	JC10922-2	**Method:**	SW846 8260C
Lab FileID:	V158451.D	**Analyst approved:**	12/21/15 16:20 Delaney Caudill
Injection Time:	12/18/15 18:44	**Supervisor approved:**	12/24/15 11:58 Jessica Reitan-Chu

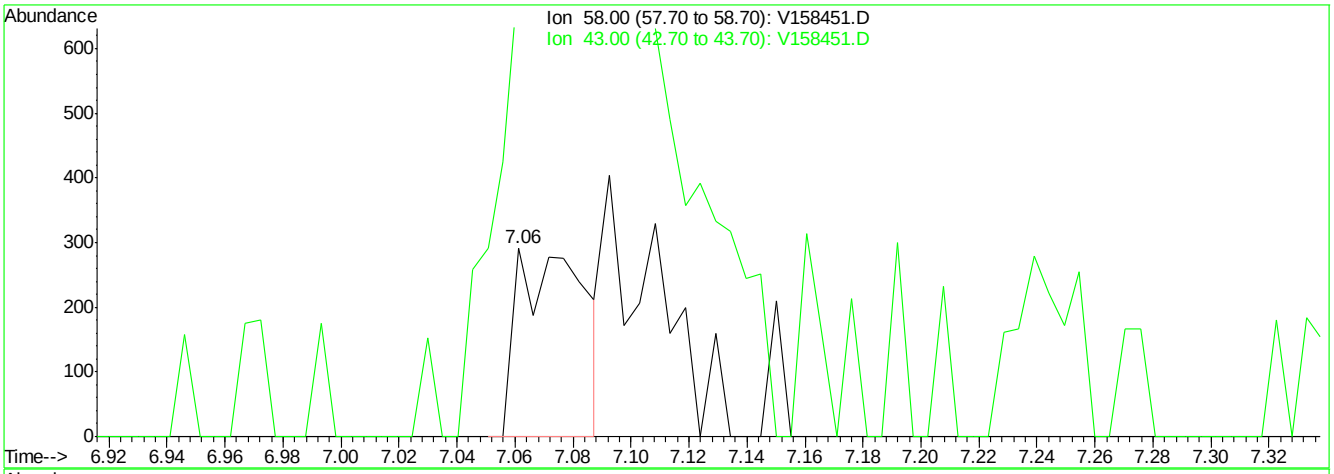
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetone	67-64-1		7.09	Split peak

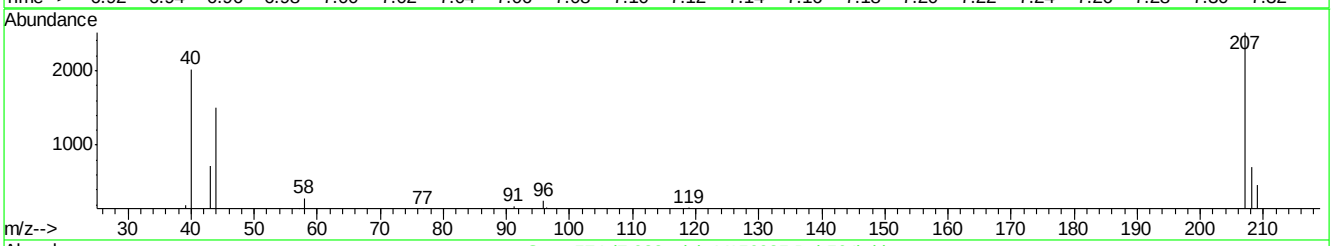
Quantitation Report (Qedit)

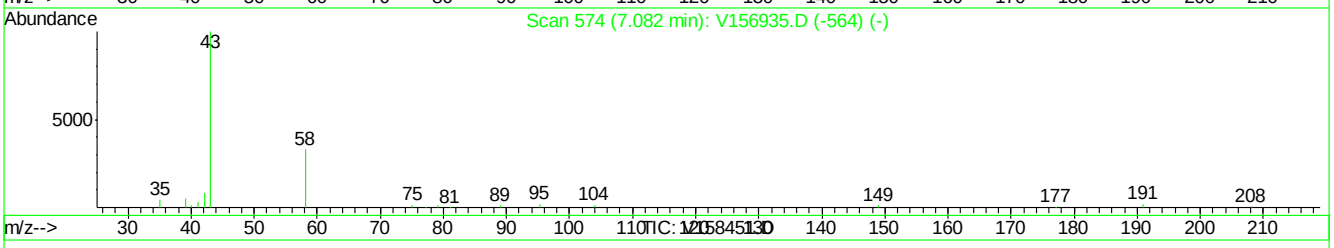
Data File : C:\MSDCHEM\1\DATA\V158451.D Vial: 23
Acq On : 18 Dec 2015 6:44 pm Operator: payalr
Sample : jc10922-2 Inst : MSV
Misc : MS96266,VV6686,6.2,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Dec 21 08:22:08 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 11:45:05 2015
Response via : Multiple Level Calibration







(20) acetone

7.06min 1.60ug/L

response 466

Ion	Exp%	Act%
58.00	100	100
43.00	308.10	146.23#
0.00	0.00	0.00
0.00	0.00	0.00

V158451.D MVS6633.M Mon Dec 21 16:02:36 2015 MSV

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158456.D
Acq On : 18 Dec 2015 9:06 pm
Operator : payalr
Sample : jc10922-3
Misc : MS96266,VV6686,4.9,,,,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 21 16:08:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

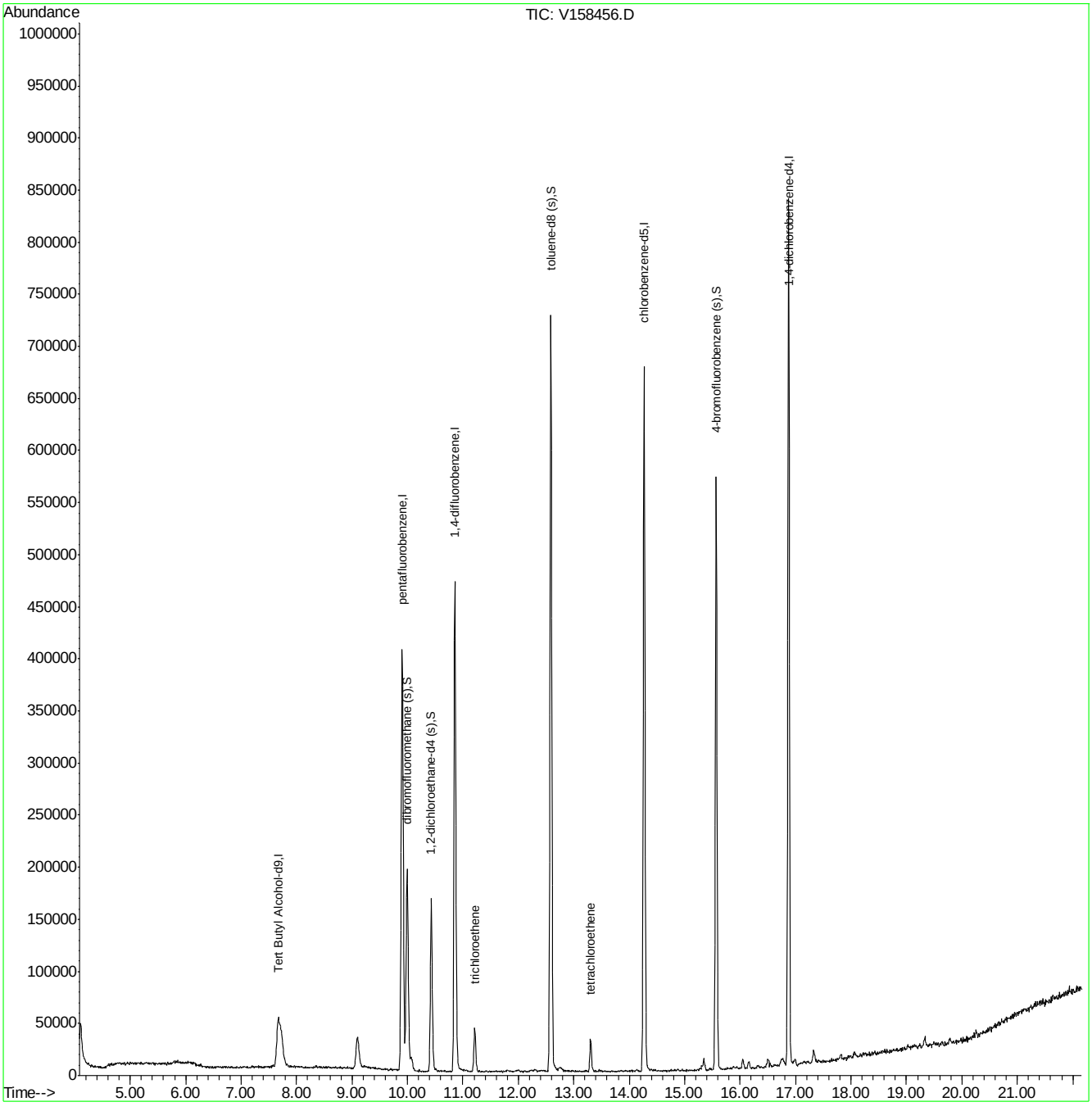
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.67	65	175759	500.00	ug/L	-0.01
4) pentafluorobenzene	9.91	168	416783	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.85	114	514567	50.00	ug/L	-0.01
82) chlorobenzene-d5	14.27	117	473868	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	268785	50.00	ug/L	0.00
System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	155824	47.10	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 94.20%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	144142	44.07	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 88.14%			
74) toluene-d8 (s)	12.58	98	608856	48.86	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 97.72%			
97) 4-bromofluorobenzene (s)	15.57	95	236004	50.28	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 100.56%			
Target Compounds						Qvalue
66) trichloroethene	11.21	95	18654	5.34	ug/L	98
83) tetrachloroethene	13.30	166	12496	3.07	ug/L	89

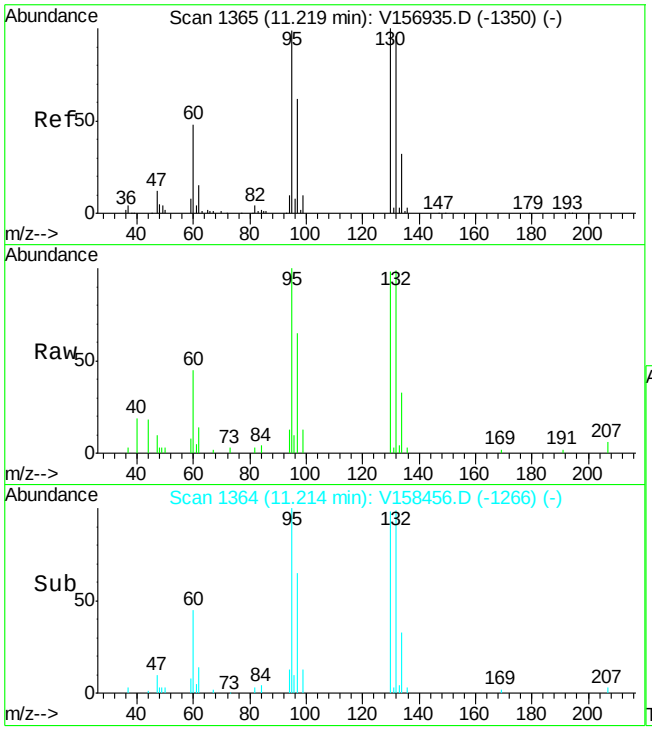
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158456.D
Acq On : 18 Dec 2015 9:06 pm
Operator : payalr
Sample : jc10922-3
Misc : MS96266,VV6686,4.9,,,,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 21 16:08:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

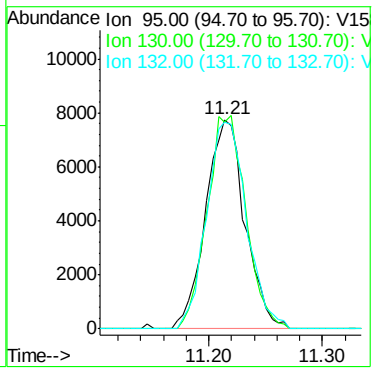


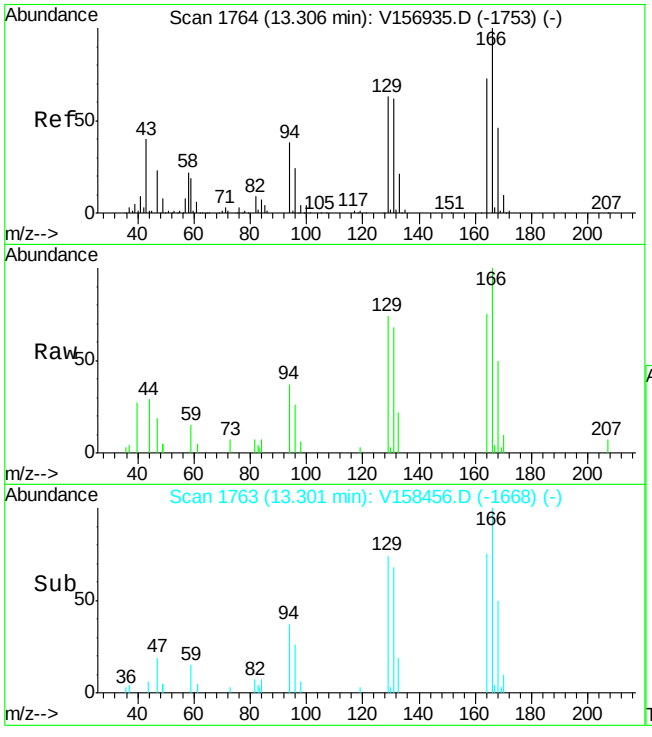


#66
trichloroethene
Concen: 5.34 ug/L
RT: 11.21 min Scan# 1364
Delta R.T. -0.01 min
Lab File: V158456.D
Acq: 18 Dec 2015 9:06 pm

Tgt Ion: 95 Resp: 18654

Ion	Ratio	Lower	Upper
95	100		
130	98.5	71.3	131.3
132	98.7	67.2	127.2

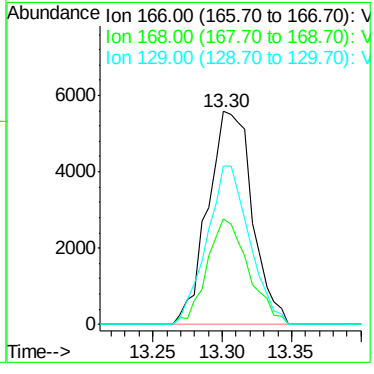




#83
tetrachloroethene
Concen: 3.07 ug/L
RT: 13.30 min Scan# 1763
Delta R.T. -0.01 min
Lab File: V158456.D
Acq: 18 Dec 2015 9:06 pm

Tgt Ion:166 Resp: 12496

Ion	Ratio	Lower	Upper
166	100		
168	49.8	16.0	76.0
129	74.1	32.9	92.9



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158457.D
Acq On : 18 Dec 2015 9:35 pm
Operator : payalr
Sample : jc10922-4
Misc : MS96266,VV6686,4.1,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 21 16:09:18 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.67	65	189992	500.00	ug/L	-0.01
4) pentafluorobenzene	9.91	168	417845	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.85	114	518949	50.00	ug/L	-0.01
82) chlorobenzene-d5	14.27	117	481032	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	275962	50.00	ug/L	0.00
System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	157252	47.41	ug/L	0.00
Spiked Amount 50.000 Range 70 - 122 Recovery = 94.82%						
49) 1,2-dichloroethane-d4 (s)	10.43	65	145486	44.37	ug/L	0.00
Spiked Amount 50.000 Range 68 - 124 Recovery = 88.74%						
74) toluene-d8 (s)	12.58	98	626759	49.87	ug/L	0.00
Spiked Amount 50.000 Range 77 - 125 Recovery = 99.74%						
97) 4-bromofluorobenzene (s)	15.57	95	237181	49.78	ug/L	0.00
Spiked Amount 50.000 Range 72 - 130 Recovery = 99.56%						
Target Compounds						Qvalue
66) trichloroethene	11.21	95	18367	5.21	ug/L	95
83) tetrachloroethene	13.31	166	8683	2.10	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

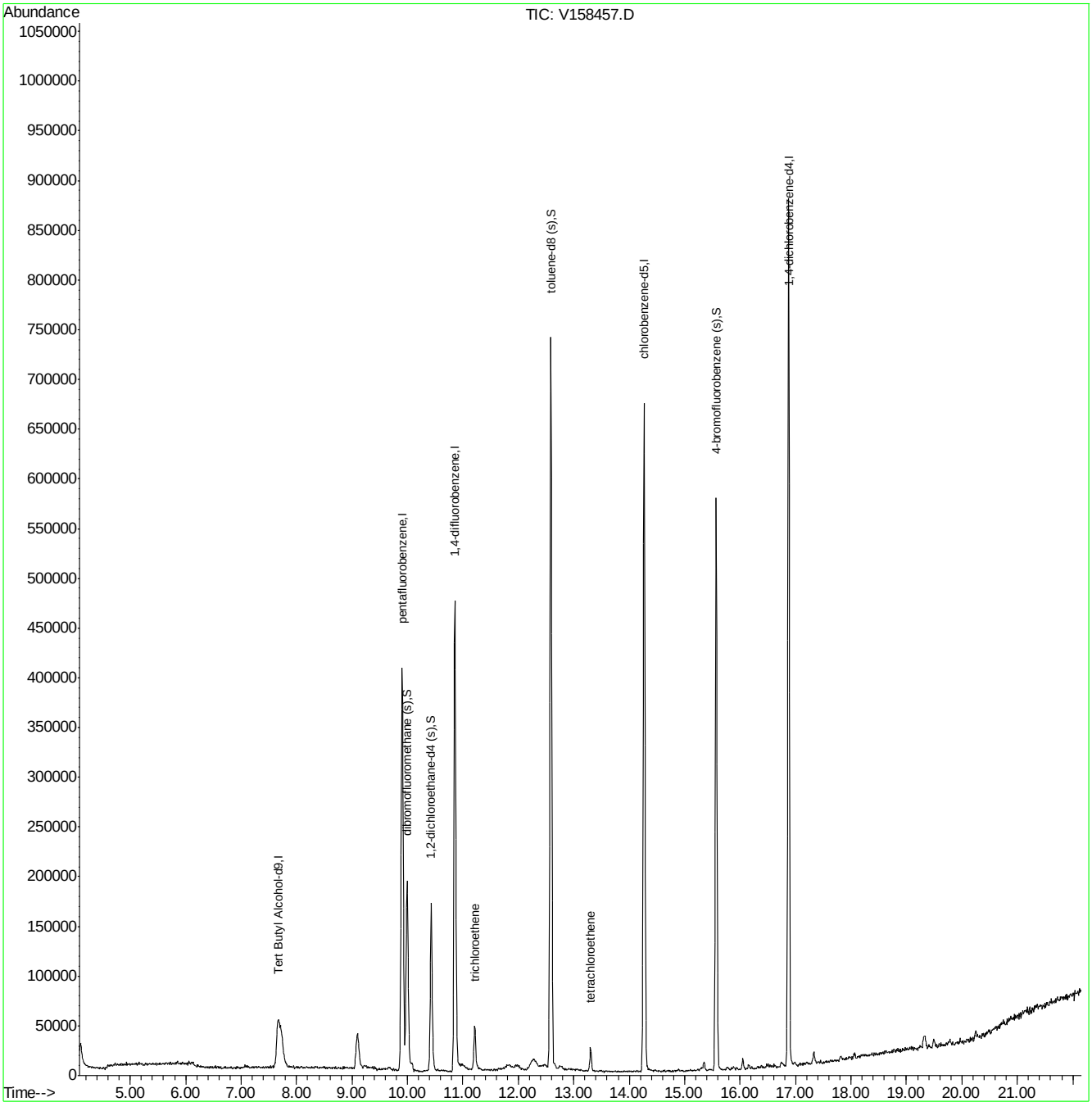
7.1.4

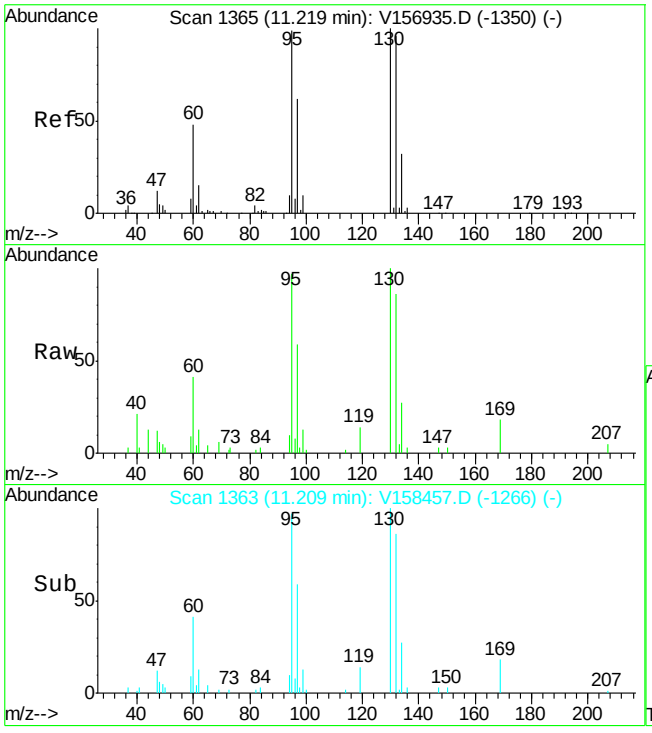
7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158457.D
Acq On : 18 Dec 2015 9:35 pm
Operator : payalr
Sample : jc10922-4
Misc : MS96266,VV6686,4.1,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 21 16:09:18 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

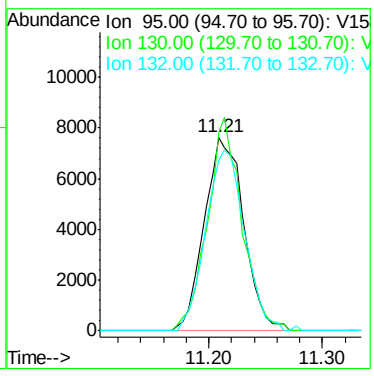


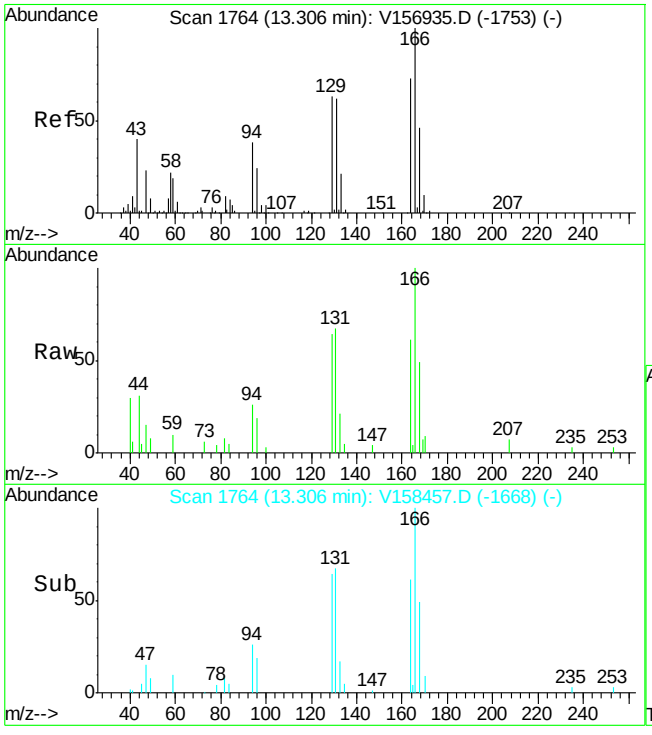


#66
trichloroethene
Concen: 5.21 ug/L
RT: 11.21 min Scan# 1363
Delta R.T. -0.01 min
Lab File: V158457.D
Acq: 18 Dec 2015 9:35 pm

Tgt Ion: 95 Resp: 18367

Ion	Ratio	Lower	Upper
95	100		
130	102.6	71.3	131.3
132	88.4	67.2	127.2

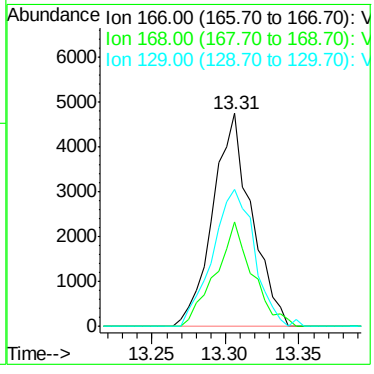




#83
tetrachloroethene
Concen: 2.10 ug/L
RT: 13.31 min Scan# 1764
Delta R.T. 0.00 min
Lab File: V158457.D
Acq: 18 Dec 2015 9:35 pm

Tgt Ion:166 Resp: 8683

Ion	Ratio	Lower	Upper
166	100		
168	49.2	16.0	76.0
129	64.4	32.9	92.9



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158458.D
Acq On : 18 Dec 2015 10:03 pm
Operator : payalr
Sample : jc10922-5
Misc : MS96266,VV6686,6.2,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 21 16:10:11 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

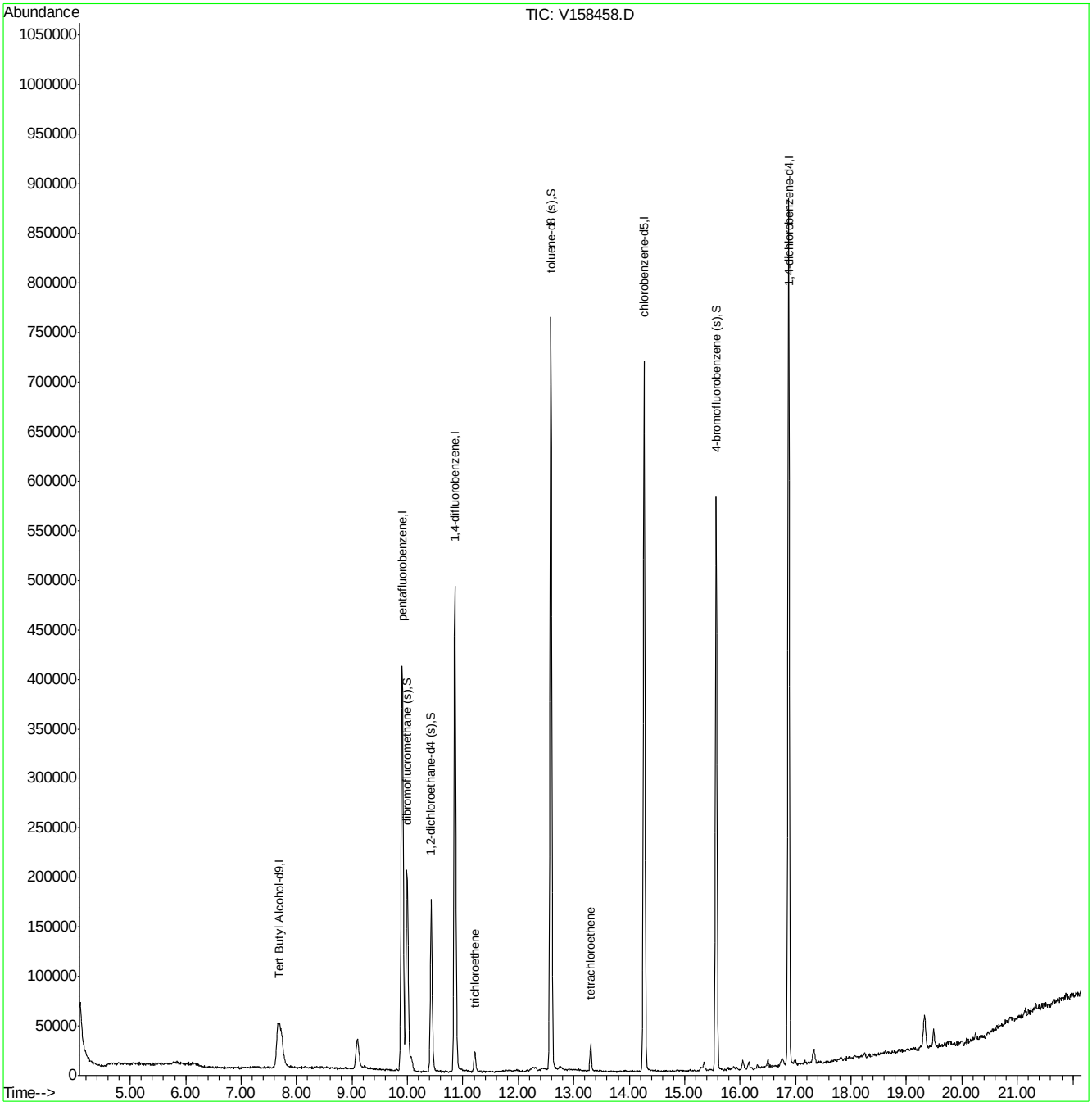
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.69	65	180387	500.00	ug/L	0.00
4) pentafluorobenzene	9.91	168	433444	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	536707	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	491854	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	281056	50.00	ug/L	0.00
System Monitoring Compounds						
48) dibromofluoromethane (s)	9.99	113	166540	48.40	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 96.80%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	147873	43.47	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 86.94%			
74) toluene-d8 (s)	12.58	98	638940	49.16	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.32%			
97) 4-bromofluorobenzene (s)	15.57	95	239096	49.07	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 98.14%			
Target Compounds						Qvalue
66) trichloroethene	11.21	95	8814	2.42	ug/L	94
83) tetrachloroethene	13.31	166	9962	2.36	ug/L	87

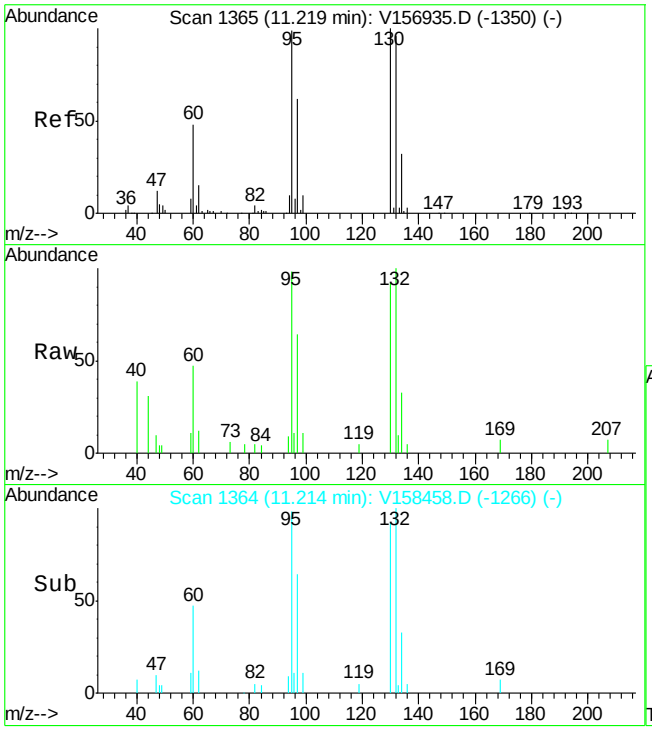
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158458.D
Acq On : 18 Dec 2015 10:03 pm
Operator : payalr
Sample : jc10922-5
Misc : MS96266,VV6686,6.2,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 21 16:10:11 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

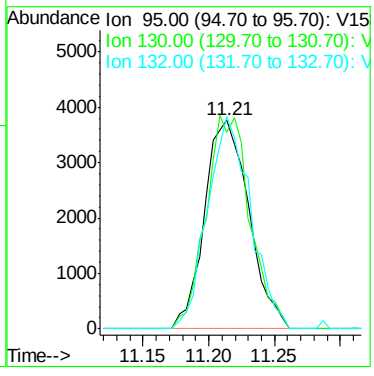


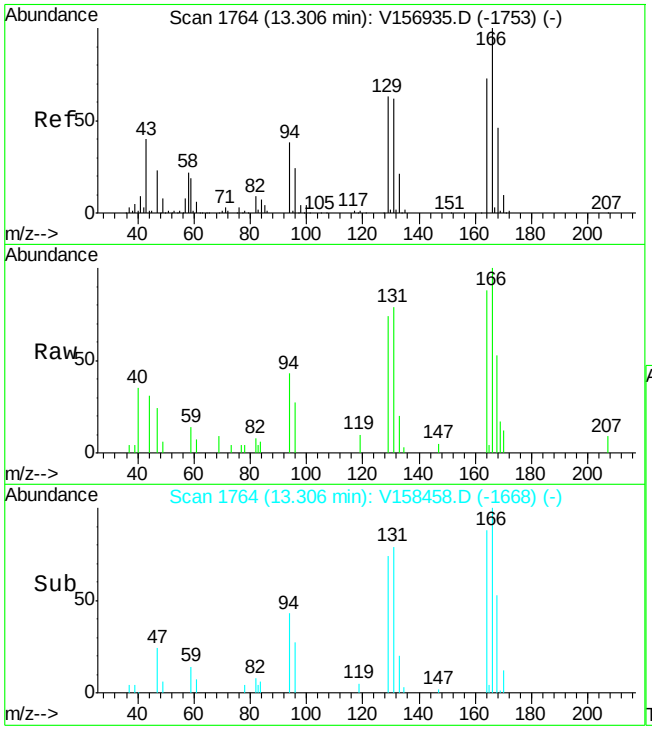


#66
trichloroethene
Concen: 2.42 ug/L
RT: 11.21 min Scan# 1364
Delta R.T. -0.01 min
Lab File: V158458.D
Acq: 18 Dec 2015 10:03 pm

Tgt Ion: 95 Resp: 8814

Ion	Ratio	Lower	Upper
95	100		
130	94.3	71.3	131.3
132	102.0	67.2	127.2

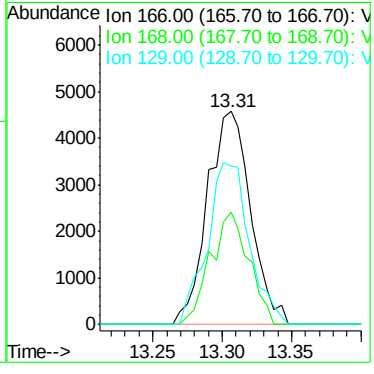




#83
tetrachloroethene
Concen: 2.36 ug/L
RT: 13.31 min Scan# 1764
Delta R.T. 0.00 min
Lab File: V158458.D
Acq: 18 Dec 2015 10:03 pm

Tgt Ion:166 Resp: 9962

Ion	Ratio	Lower	Upper
166	100		
168	52.8	16.0	76.0
129	74.3	32.9	92.9



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158459.D
Acq On : 18 Dec 2015 10:31 pm
Operator : payalr
Sample : jc10922-6
Misc : MS96266,VV6686,4.9,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 21 16:11:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.67	65	182296	500.00	ug/L	-0.01
4) pentafluorobenzene	9.91	168	409703	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.85	114	505189	50.00	ug/L	-0.01
82) chlorobenzene-d5	14.27	117	464814	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	255219	50.00	ug/L	0.00

System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	99674	30.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 61.30%#			
49) 1,2-dichloroethane-d4 (s)	10.43	65	145912	45.38	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 90.76%			
74) toluene-d8 (s)	12.58	98	605432	49.49	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.98%			
97) 4-bromofluorobenzene (s)	15.57	95	227542	49.42	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 98.84%			

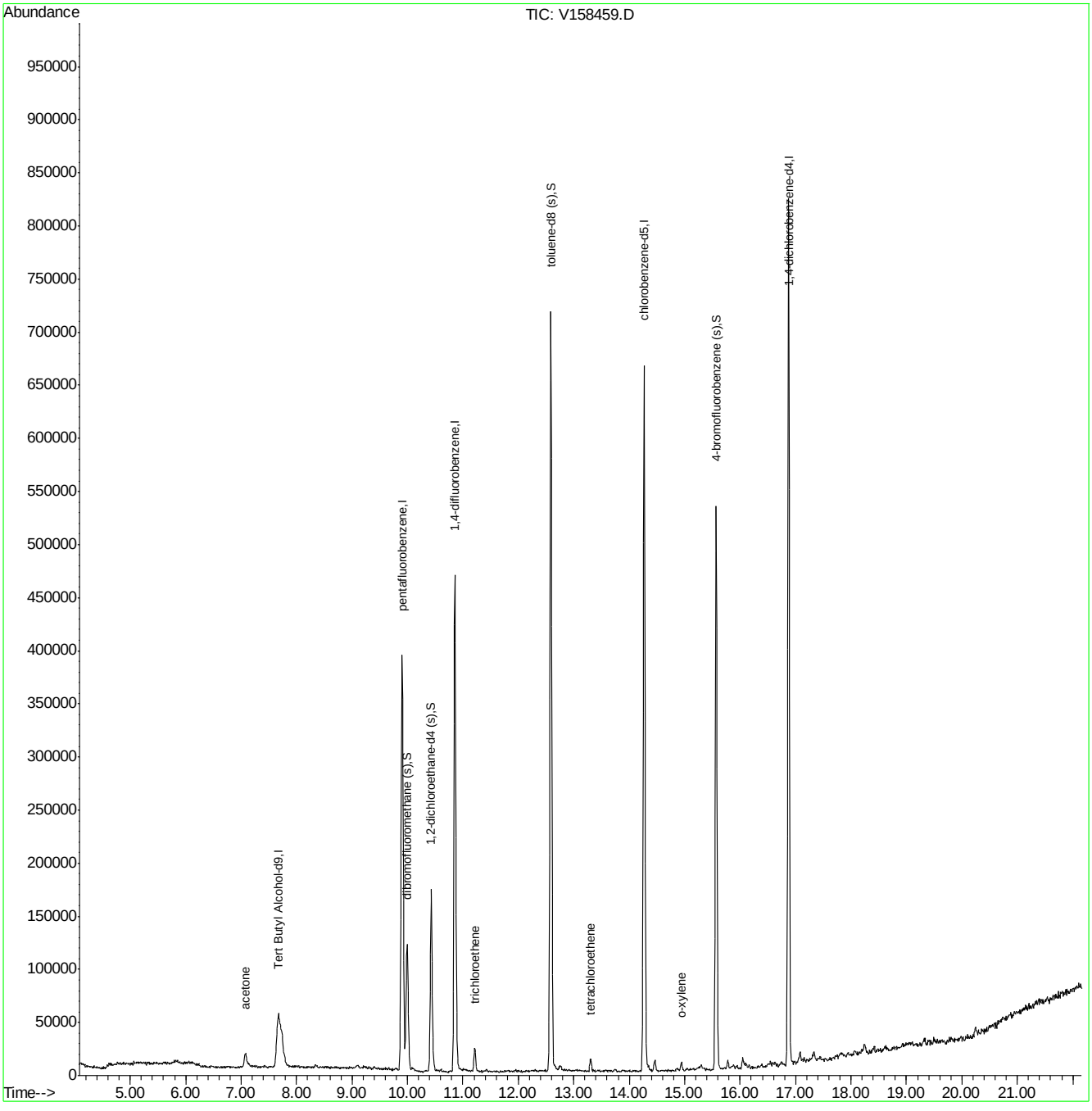
Target Compounds						Qvalue
20) acetone	7.08	58	11051	40.77	ug/L	74
66) trichloroethene	11.21	95	9498	2.77	ug/L	89
83) tetrachloroethene	13.30	166	4420	1.11	ug/L	91
93) o-xylene	14.94	106	2656	0.36	ug/L	67

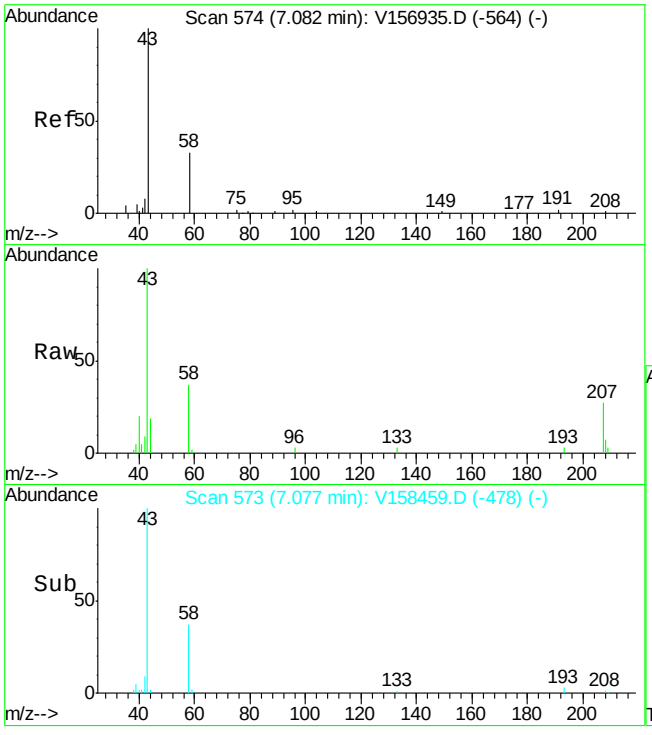
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158459.D
Acq On : 18 Dec 2015 10:31 pm
Operator : payalr
Sample : jc10922-6
Misc : MS96266,VV6686,4.9,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 21 16:11:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

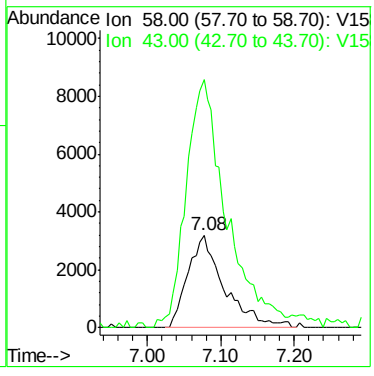


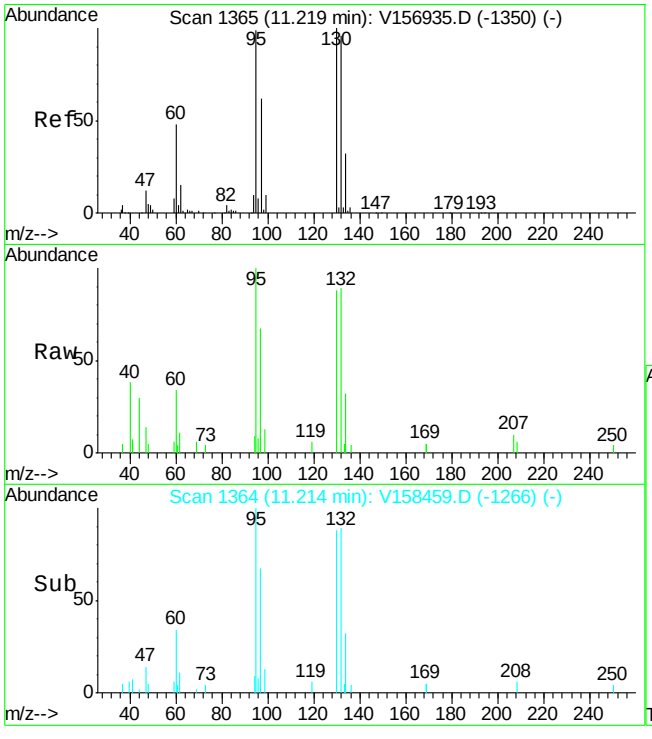


#20
acetone
Concen: 40.77 ug/L
RT: 7.08 min Scan# 573
Delta R.T. -0.00 min
Lab File: V158459.D
Acq: 18 Dec 2015 10:31 pm

Tgt Ion: 58 Resp: 11051

Ion	Ratio	Lower	Upper
58	100		
43	255.5	215.7	400.5

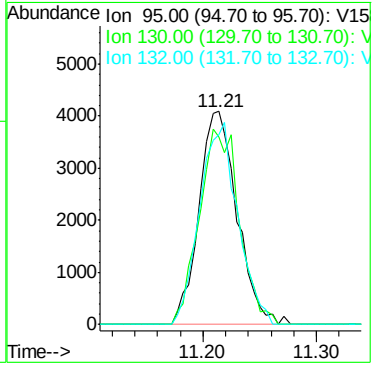


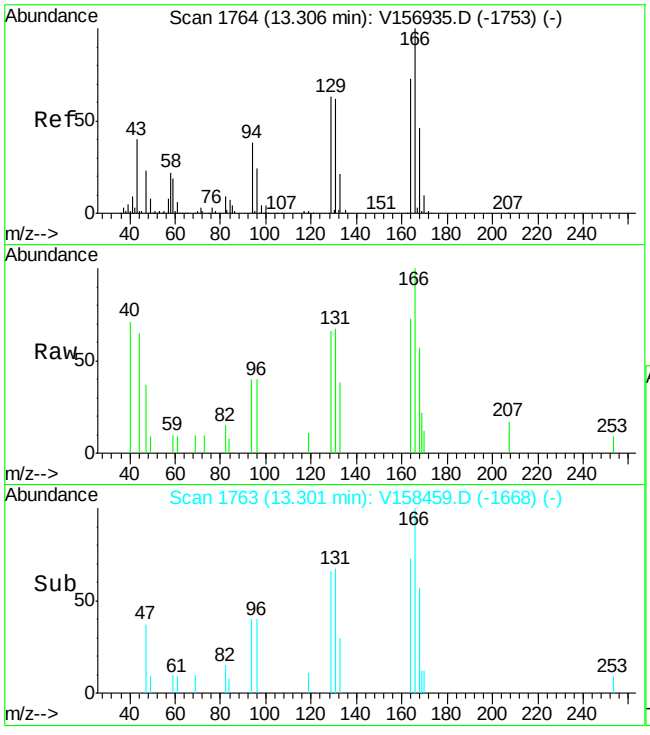


#66
trichloroethene
Concen: 2.77 ug/L
RT: 11.21 min Scan# 1364
Delta R.T. -0.01 min
Lab File: V158459.D
Acq: 18 Dec 2015 10:31 pm

Tgt Ion: 95 Resp: 9498

Ion	Ratio	Lower	Upper
95	100		
130	87.9	71.3	131.3
132	89.2	67.2	127.2

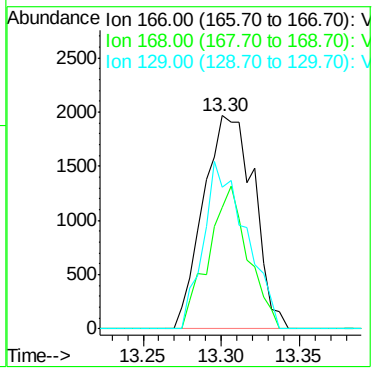


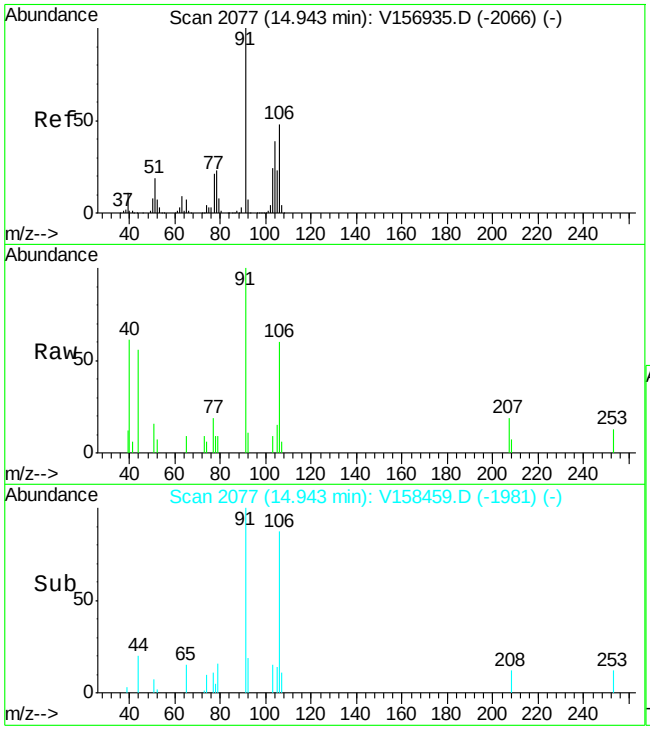


#83
tetrachloroethene
Concen: 1.11 ug/L
RT: 13.30 min Scan# 1763
Delta R.T. -0.01 min
Lab File: V158459.D
Acq: 18 Dec 2015 10:31 pm

Tgt Ion:166 Resp: 4420

Ion	Ratio	Lower	Upper
166	100		
168	56.7	16.0	76.0
129	66.3	32.9	92.9

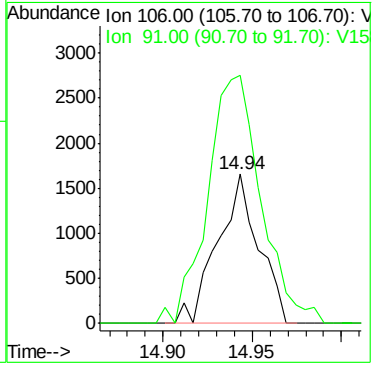




#93
o-xylene
Concen: 0.36 ug/L
RT: 14.94 min Scan# 2077
Delta R.T. 0.00 min
Lab File: V158459.D
Acq: 18 Dec 2015 10:31 pm

Tgt Ion:106 Resp: 2656

Ion	Ratio	Lower	Upper
106	100		
91	155.7	144.5	268.4



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y159830.D
Acq On : 20 Dec 2015 3:31 pm
Operator : prashans
Sample : JC10922-6CFS
Misc : MS96266,VY6974,4.6,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 21 15:47:03 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.25	65	99891	500.00	ug/L	-0.03
4) pentafluorobenzene	9.46	168	212920	50.00	ug/L	-0.02
53) 1,4-difluorobenzene	10.38	114	274621	50.00	ug/L	-0.02
83) chlorobenzene-d5	13.53	117	227907	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	15.83	152	108340	50.00	ug/L	0.00

System Monitoring Compounds						
45) dibromofluoromethane (s)	9.52	113	54776	29.68	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 122		Recovery = 59.36%#			
46) 1,2-dichloroethane-d4 (s)	9.94	65	98761	54.22	ug/L	-0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 108.44%			
75) toluene-d8 (s)	12.02	98	326098	52.60	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.20%			
100) 4-bromofluorobenzene (s)	14.67	95	124439	51.79	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 103.58%			

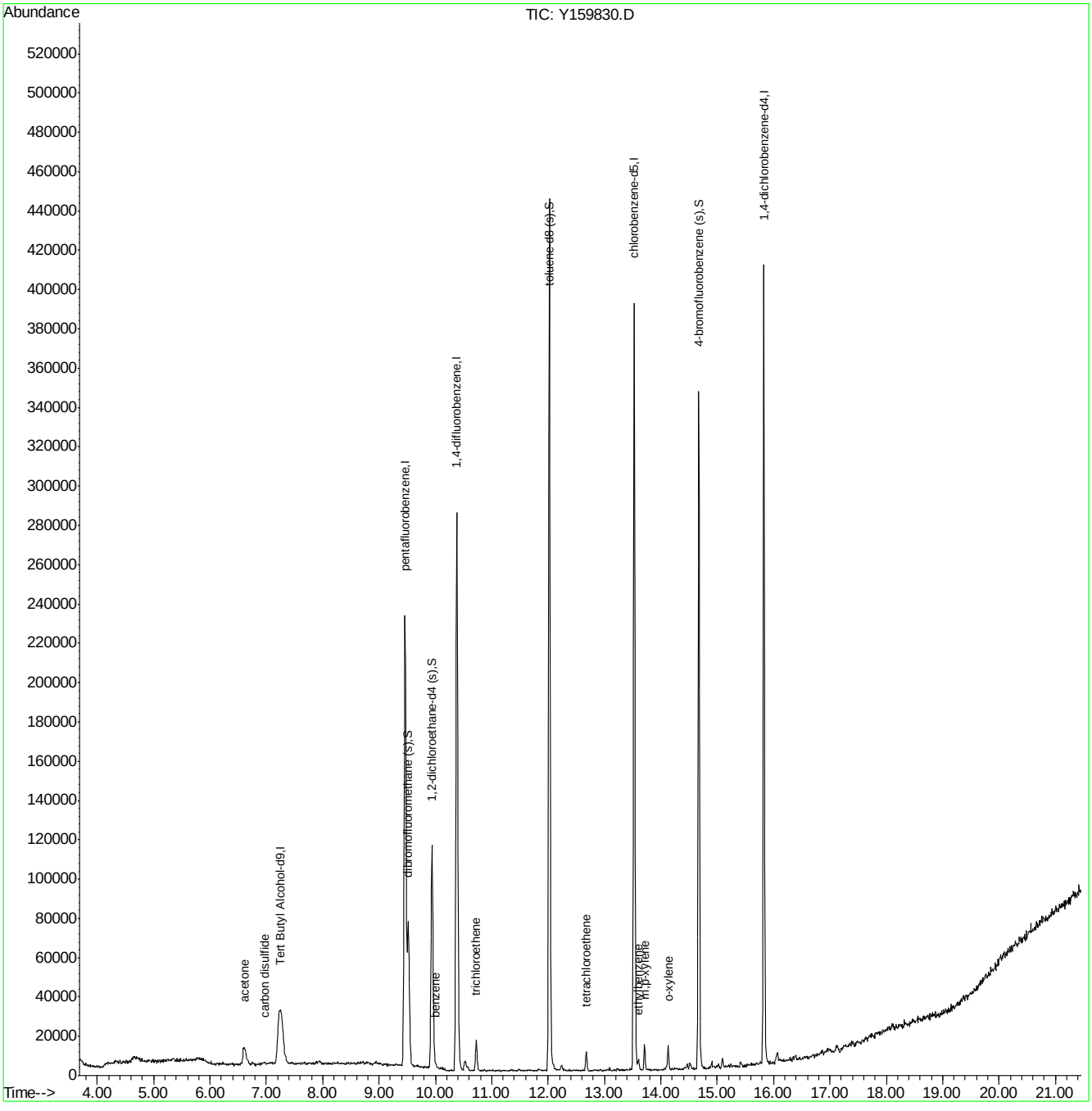
Target Compounds						Qvalue
19) acetone	6.61	58	7253	49.91	ug/L #	82
23) carbon disulfide	6.97	76	1906	0.31	ug/L	54
60) benzene	10.01	78	1365	0.19	ug/L	56
64) trichloroethene	10.72	95	6962	4.03	ug/L	98
84) tetrachloroethene	12.68	166	3045	1.87	ug/L	98
93) ethylbenzene	13.61	91	2257	0.28	ug/L	89
94) m,p-xylene	13.71	106	3798	1.29	ug/L	93
95) o-xylene	14.13	91	7956	1.12	ug/L	97

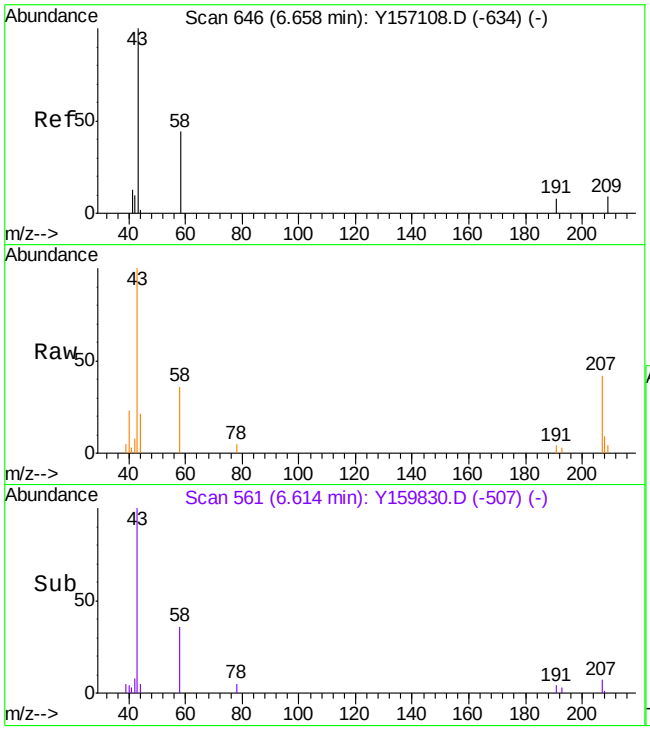
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y159830.D
Acq On : 20 Dec 2015 3:31 pm
Operator : prashans
Sample : JC10922-6CFS
Misc : MS96266,VY6974,4.6,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 21 15:47:03 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration

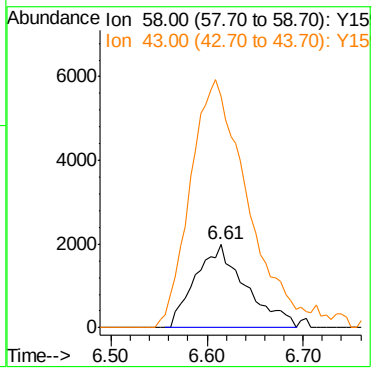


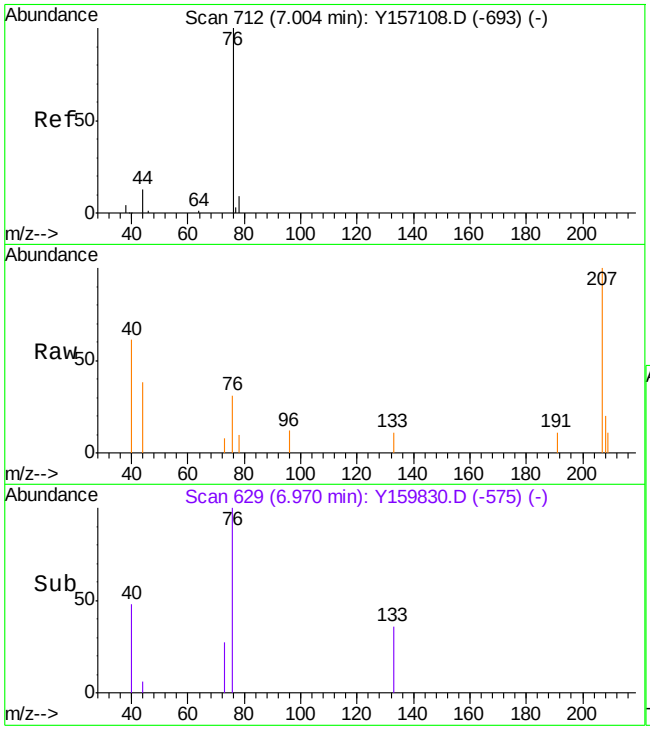


#19
acetone
Concen: 49.91 ug/L
RT: 6.61 min Scan# 561
Delta R.T. -0.02 min
Lab File: Y159830.D
Acq: 20 Dec 2015 3:31 pm

Tgt Ion: 58 Resp: 7253

Ion	Ratio	Lower	Upper
58	100		
43	260.6	266.6	326.6#

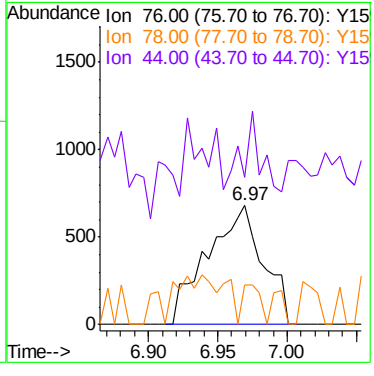




#23
carbon disulfide
Concen: 0.31 ug/L
RT: 6.97 min Scan# 629
Delta R.T. -0.02 min
Lab File: Y159830.D
Acq: 20 Dec 2015 3:31 pm

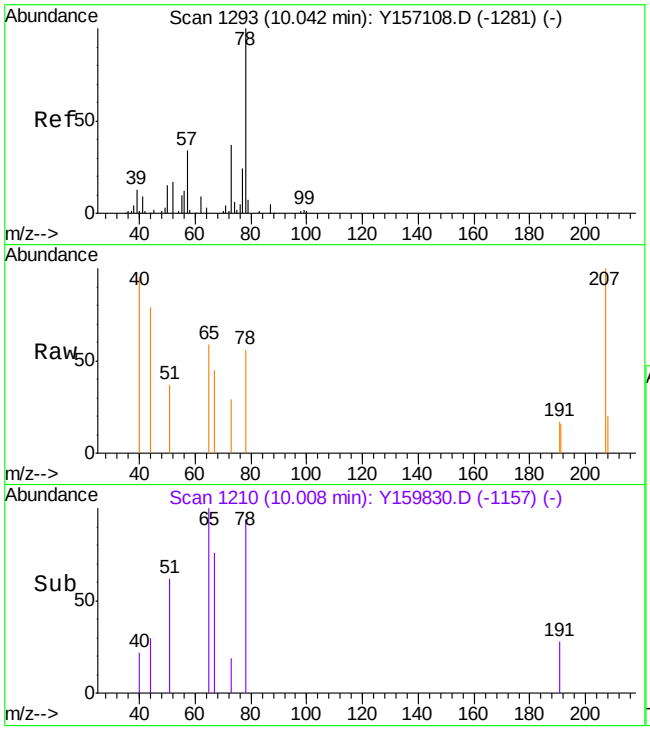
Tgt Ion: 76 Resp: 1906

Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	39.1
44	0.0	0.0	41.8



7.1.7

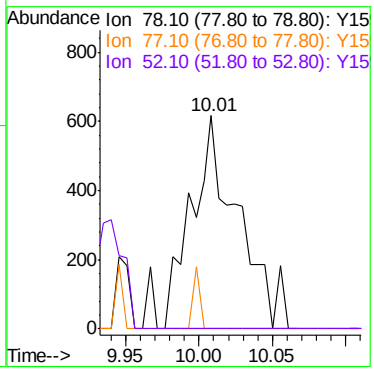
7

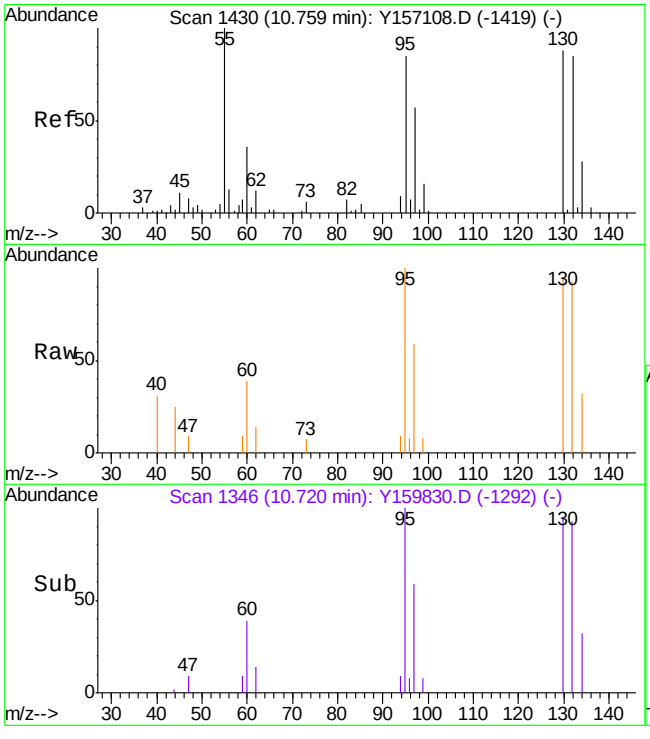


#60
benzene
Concen: 0.19 ug/L
RT: 10.01 min Scan# 1210
Delta R.T. -0.02 min
Lab File: Y159830.D
Acq: 20 Dec 2015 3:31 pm

Tgt Ion: 78 Resp: 1365

Ion	Ratio	Lower	Upper
78	100		
77	0.0	0.0	54.2
52	0.0	0.0	45.9

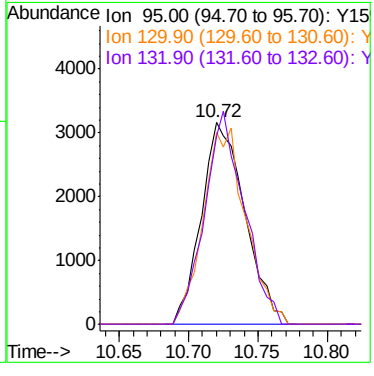




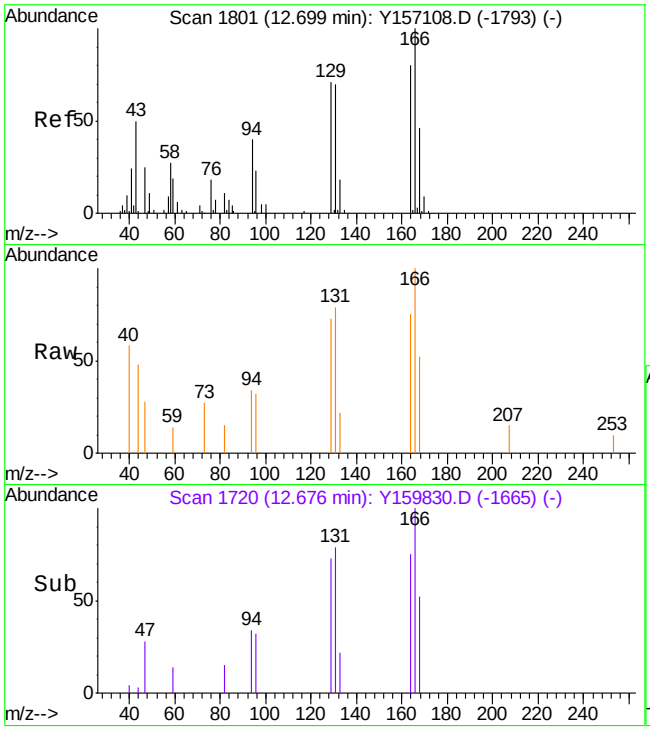
#64
trichloroethene
Concen: 4.03 ug/L
RT: 10.72 min Scan# 1346
Delta R.T. -0.02 min
Lab File: Y159830.D
Acq: 20 Dec 2015 3:31 pm

Tgt Ion: 95 Resp: 6962

Ion	Ratio	Lower	Upper
95	100		
130	94.7	64.8	124.8
132	93.3	60.4	120.4



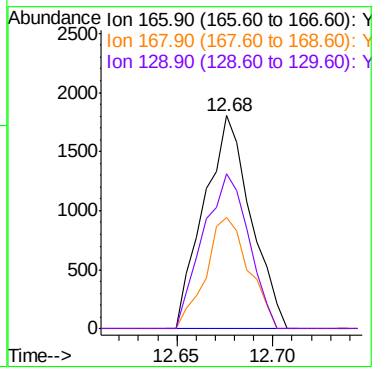
7.1.7

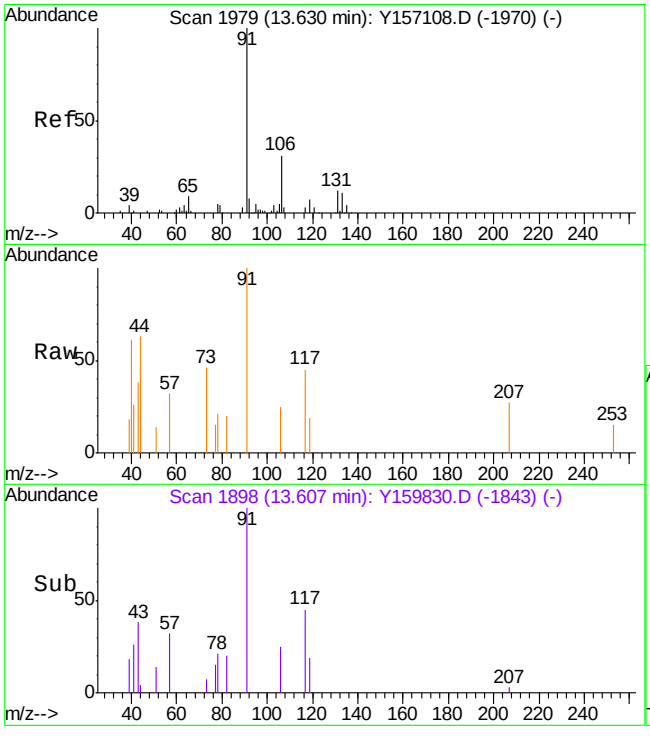


#84
tetrachloroethene
Concen: 1.87 ug/L
RT: 12.68 min Scan# 1720
Delta R.T. -0.01 min
Lab File: Y159830.D
Acq: 20 Dec 2015 3:31 pm

Tgt Ion:166 Resp: 3045

Ion	Ratio	Lower	Upper
166	100		
168	52.2	19.6	79.6
129	72.7	43.9	103.9

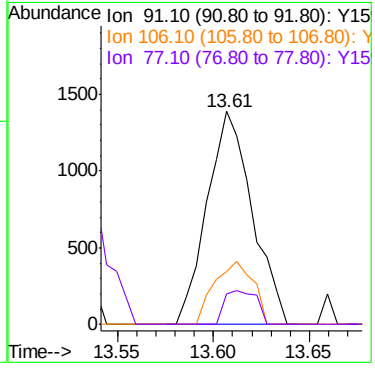


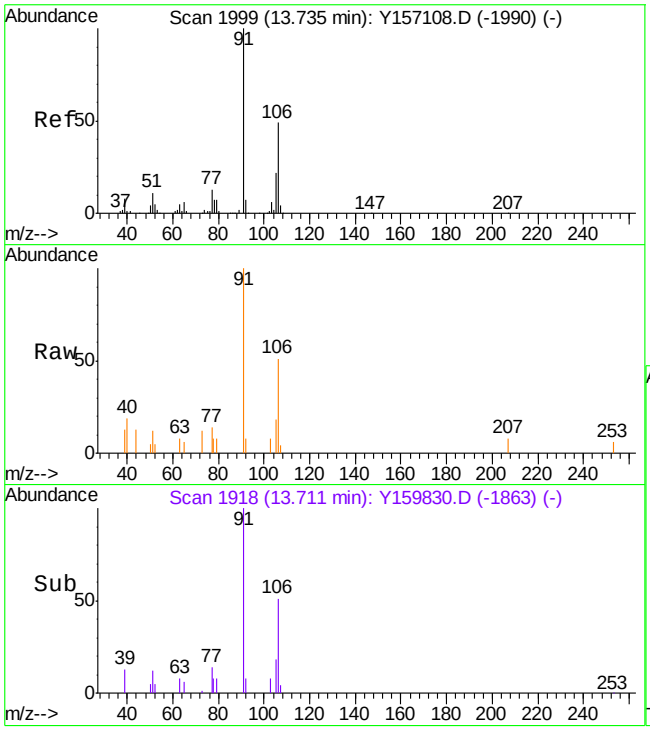


#93
ethylbenzene
Concen: 0.28 ug/L
RT: 13.61 min Scan# 1898
Delta R.T. -0.01 min
Lab File: Y159830.D
Acq: 20 Dec 2015 3:31 pm

Tgt Ion: 91 Resp: 2257

Ion	Ratio	Lower	Upper
91	100		
106	24.6	0.0	59.8
77	14.6	0.0	38.9

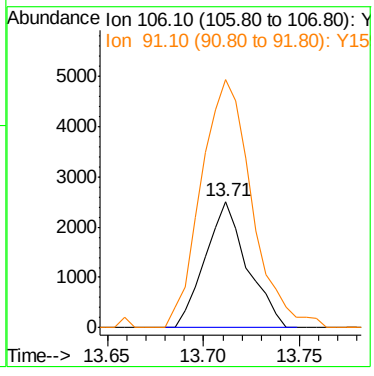


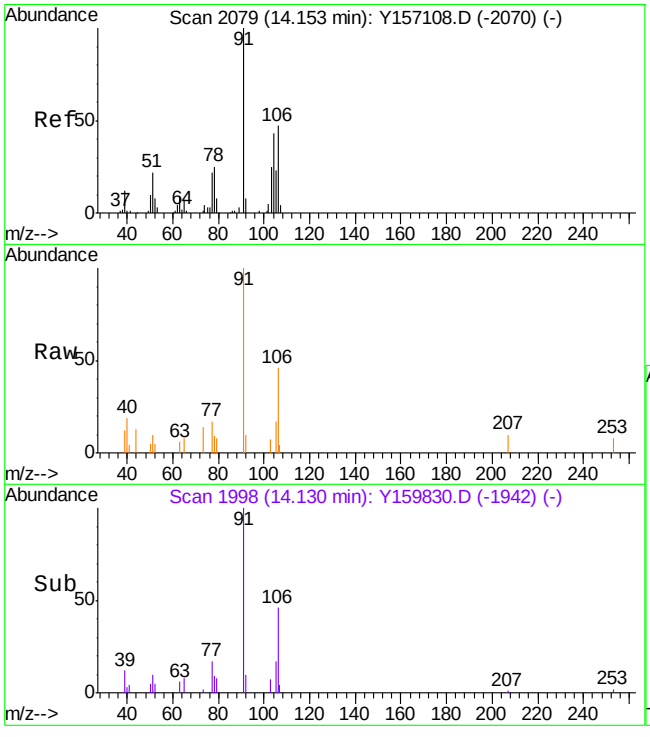


#94
m,p-xylene
Concen: 1.29 ug/L
RT: 13.71 min Scan# 1918
Delta R.T. -0.01 min
Lab File: Y159830.D
Acq: 20 Dec 2015 3:31 pm

Tgt Ion:106 Resp: 3798

Ion	Ratio	Lower	Upper
106	100		
91	196.2	145.5	270.1

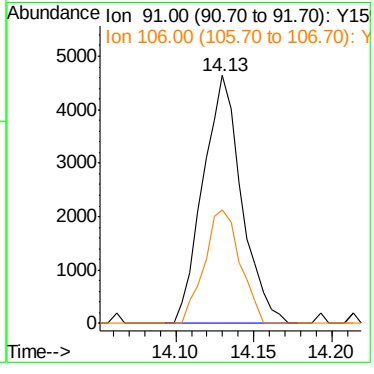




#95
o-xylene
Concen: 1.12 ug/L
RT: 14.13 min Scan# 1998
Delta R.T. -0.01 min
Lab File: Y159830.D
Acq: 20 Dec 2015 3:31 pm

Tgt Ion: 91 Resp: 7956

Ion	Ratio	Lower	Upper
91	100		
106	45.9	30.9	57.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201928.D
Acq On : 23 Dec 2015 1:10 am
Operator : NicoleH1
Sample : JC10922-7
Misc : ms96305,vu9293,5.0,,,,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 23 10:24:17 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

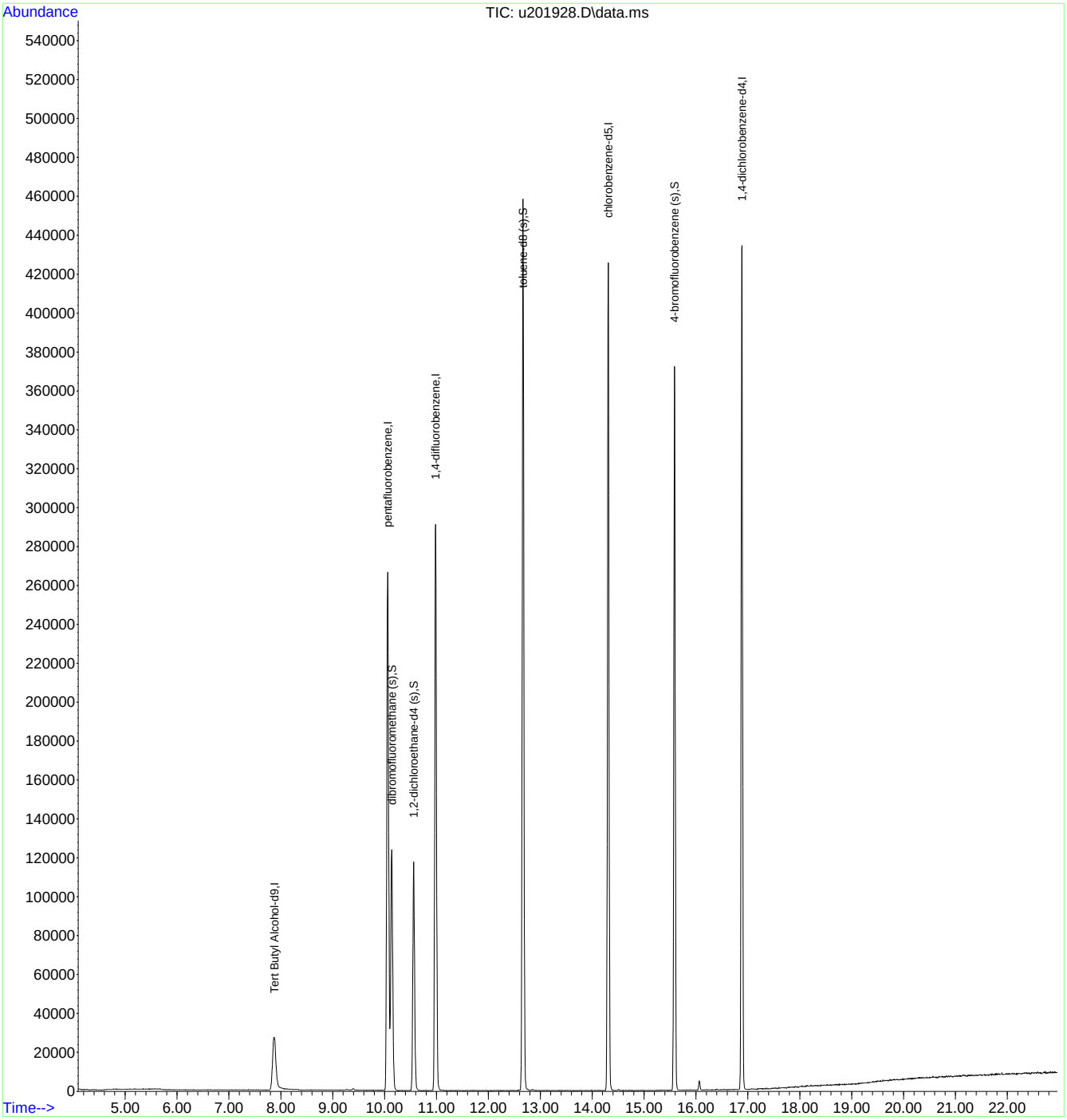
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Tert Butyl Alcohol-d9	7.878	65	80907	500.00 ug/L	0.02
5) pentafluorobenzene	10.058	168	277435	50.00 ug/L	0.00
64) 1,4-difluorobenzene	10.984	114	320743	50.00 ug/L	0.00
96) chlorobenzene-d5	14.309	117	300007	50.00 ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.886	152	149554	50.00 ug/L	0.00
System Monitoring Compounds					
56) dibromofluoromethane (s)	10.137	113	99499	48.30 ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 96.60%		
57) 1,2-dichloroethane-d4 (s)	10.560	65	100403	43.98 ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 87.96%		
88) toluene-d8 (s)	12.667	98	394782	49.33 ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 98.66%		
114) 4-bromofluorobenzene (s)	15.584	95	146652	46.24 ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.48%		
Target Compounds					Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201928.D
Acq On : 23 Dec 2015 1:10 am
Operator : NicoleH1
Sample : JC10922-7
Misc : ms96305,vu9293,5.0,,,,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 23 10:24:17 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158432.D
Acq On : 18 Dec 2015 8:52 am
Operator : payalr
Sample : mb
Misc : MS96244,VV6686,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 15:32:34 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.67	65	192994	500.00 ug/L	-0.01
4) pentafluorobenzene	9.90	168	437770	50.00 ug/L	-0.01
52) 1,4-difluorobenzene	10.85	114	536686	50.00 ug/L	-0.01
82) chlorobenzene-d5	14.27	117	491912	50.00 ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	285704	50.00 ug/L	0.00

System Monitoring Compounds

48) dibromofluoromethane (s)	9.99	113	168368	48.45 ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 96.90%		
49) 1,2-dichloroethane-d4 (s)	10.43	65	151740	44.17 ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 88.34%		
74) toluene-d8 (s)	12.58	98	643232	49.49 ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.98%		
97) 4-bromofluorobenzene (s)	15.57	95	241451	49.55 ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 99.10%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

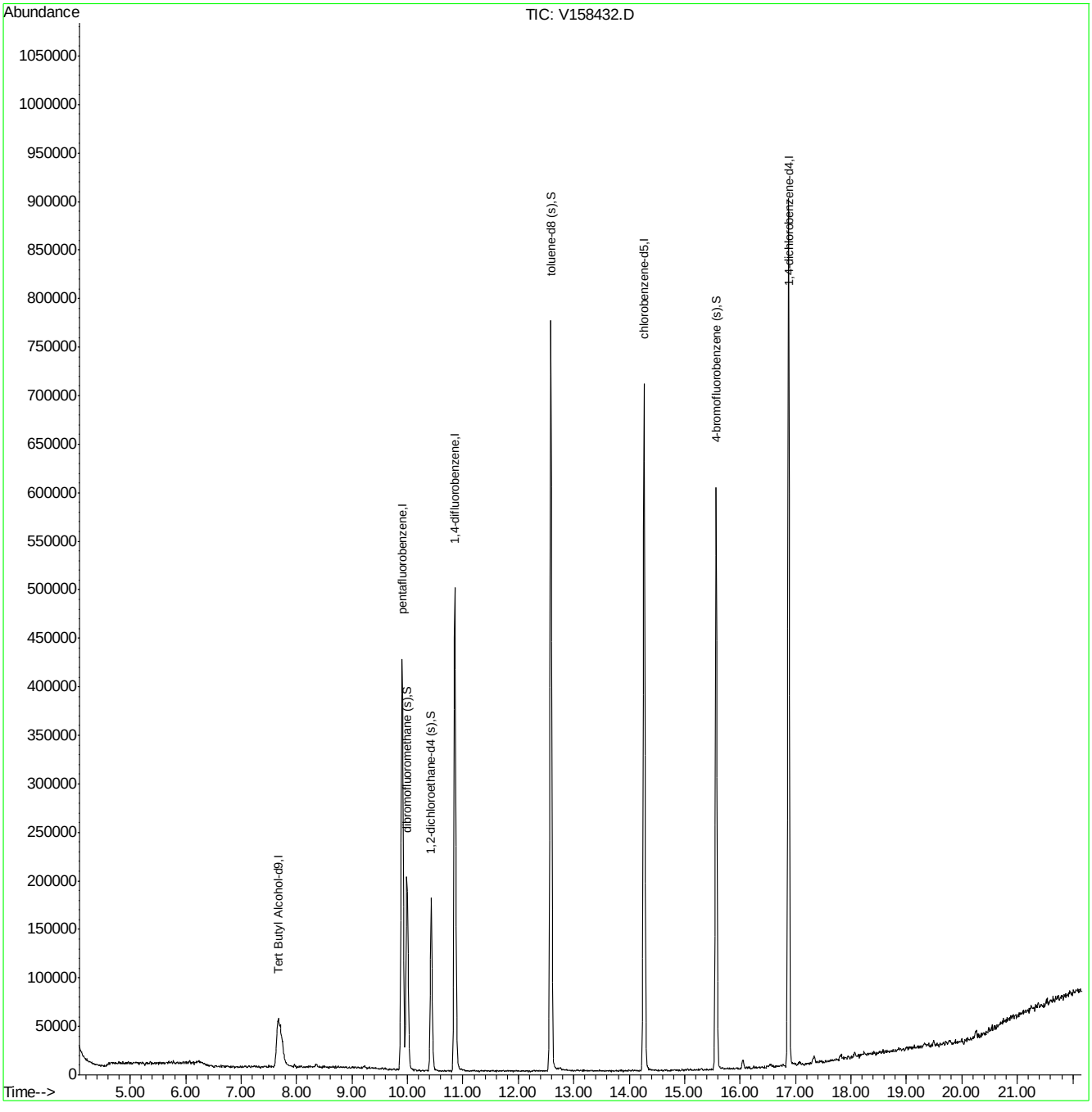
7.2.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158432.D
Acq On : 18 Dec 2015 8:52 am
Operator : payalr
Sample : mb
Misc : MS96244,VV6686,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 15:32:34 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration



MVS6633.M Mon Dec 21 15:33:02 2015 MSV

ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158455.D
Acq On : 18 Dec 2015 8:38 pm
Operator : payalr
Sample : mb2
Misc : MS96245,VV6686,5.0,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 21 16:07:01 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.67	65	169325	500.00	ug/L	-0.02
4) pentafluorobenzene	9.91	168	411922	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	510905	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	466658	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	272748	50.00	ug/L	0.00

System Monitoring Compounds

48) dibromofluoromethane (s)	9.99	113	158111	48.35	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 96.70%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	140944	43.60	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 87.20%			
74) toluene-d8 (s)	12.58	98	606073	48.99	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 97.98%			
97) 4-bromofluorobenzene (s)	15.57	95	233064	50.42	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 100.84%			

Target Compounds Qvalue

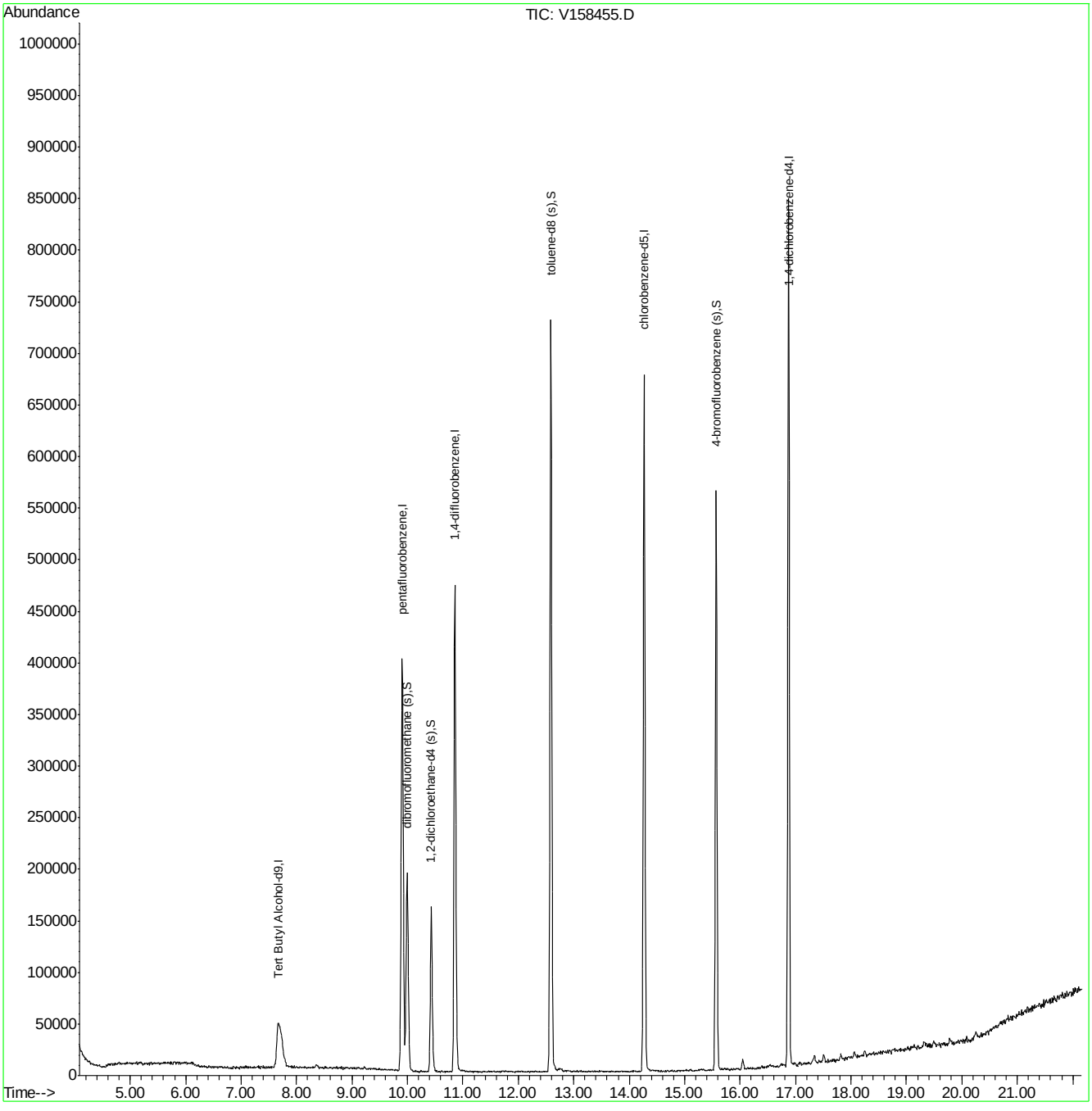
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158455.D
Acq On : 18 Dec 2015 8:38 pm
Operator : payalr
Sample : mb2
Misc : MS96245,VV6686,5.0,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 21 16:07:01 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201920.D
Acq On : 22 Dec 2015 9:16 pm
Operator : NicoleH1
Sample : MB
Misc : ms96224,vu9293,5.0,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 23 10:04:37 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

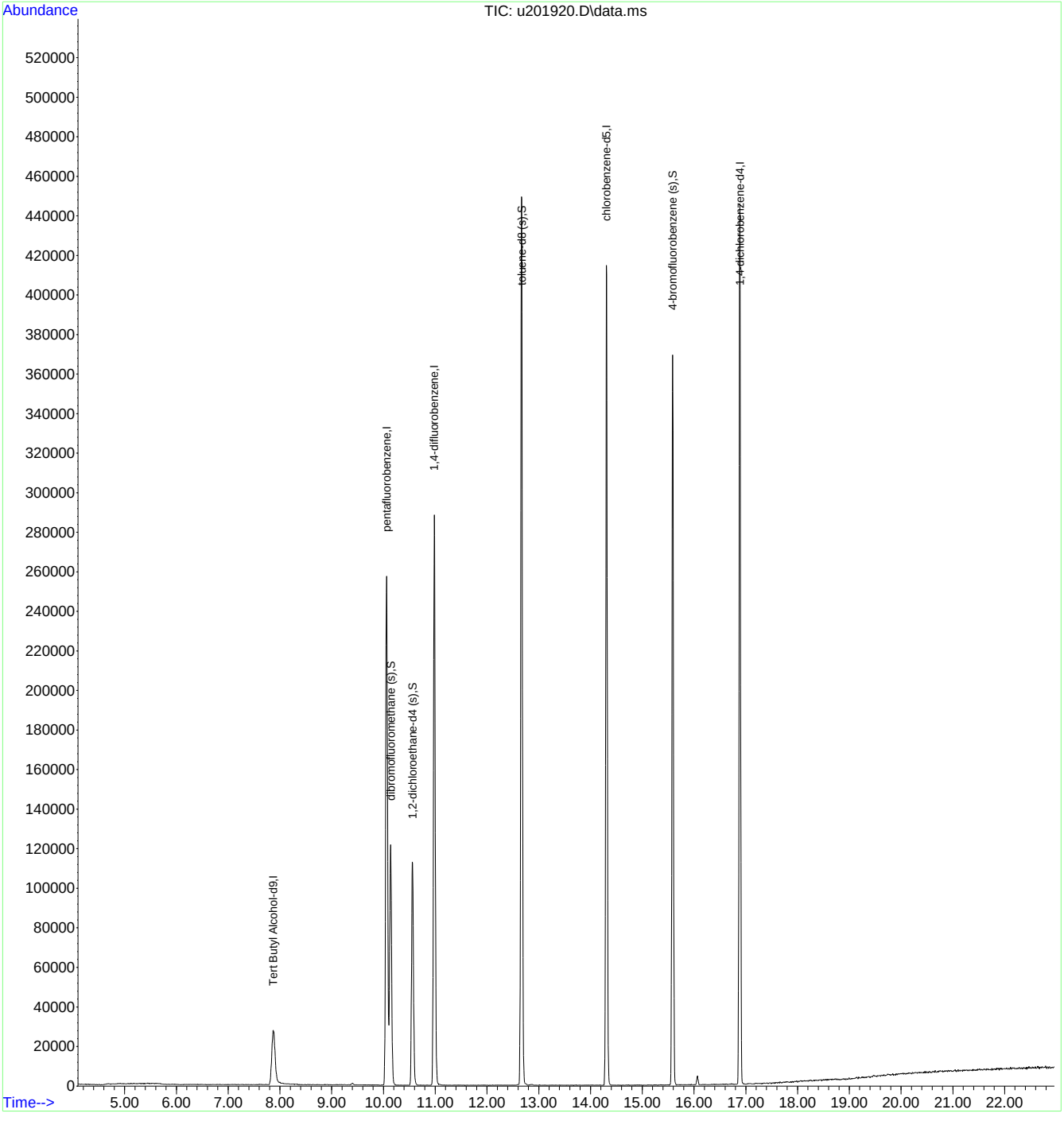
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Tert Butyl Alcohol-d9	7.871	65	76111	500.00 ug/L	0.02
5) pentafluorobenzene	10.061	168	268540	50.00 ug/L	0.00
64) 1,4-difluorobenzene	10.982	114	313226	50.00 ug/L	0.00
96) chlorobenzene-d5	14.307	117	293281	50.00 ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.884	152	148325	50.00 ug/L	0.00
System Monitoring Compounds					
56) dibromofluoromethane (s)	10.140	113	97975	49.13 ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 98.26%		
57) 1,2-dichloroethane-d4 (s)	10.563	65	100347	45.41 ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 90.82%		
88) toluene-d8 (s)	12.670	98	385029	49.26 ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 98.52%		
114) 4-bromofluorobenzene (s)	15.587	95	145863	46.37 ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.74%		
Target Compounds					Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201920.D
Acq On : 22 Dec 2015 9:16 pm
Operator : NicoleH1
Sample : MB
Misc : ms96224,vu9293,5.0,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 23 10:04:37 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration



MU9209.M Wed Dec 23 10:36:54 2015 T

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158433.D
Acq On : 18 Dec 2015 9:34 am
Operator : payalr
Sample : bs
Misc : MS96180,VV6686,5.0,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 15:38:57 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.68	65	210381	500.00	ug/L	0.00
4) pentafluorobenzene	9.91	168	436506	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	548775	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	507895	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	277869	50.00	ug/L	0.00

System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	168998	48.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 97.54%			
49) 1,2-dichloroethane-d4 (s)	10.42	65	153498	44.81	ug/L	-0.01
Spiked Amount 50.000	Range 68 - 124		Recovery = 89.62%			
74) toluene-d8 (s)	12.58	98	666115	50.12	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 100.24%			
97) 4-bromofluorobenzene (s)	15.57	95	251107	49.91	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 99.82%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.80	59	127313	235.74	ug/L	92
3) 1,4-dioxane	11.63	88	55096	1422.01	ug/L	98
6) chlorodifluoromethane	4.32	51	279842	44.30	ug/L	99
7) dichlorodifluoromethane	4.32	85	351884	49.71	ug/L	98
8) chloromethane	4.65	50	378224	57.67	ug/L	99
9) vinyl chloride	4.91	62	398757	59.34	ug/L	98
11) bromomethane	5.55	96	203641	53.11	ug/L	97
12) chloroethane	5.72	64	159424	51.87	ug/L	94
13) trichlorofluoromethane	6.17	101	333941	49.55	ug/L	97
15) ethyl ether	6.55	74	90931	49.27	ug/L	93
16) 2-chloropropane	6.77	43	342231	47.16	ug/L	94
17) acrolein	6.85	56	356822	570.23	ug/L	97
18) freon 113	6.96	151	169446	54.66	ug/L	90
19) 1,1-dichloroethene	7.00	61	284173	48.18	ug/L	97
20) acetone	7.08	58	15209	52.67	ug/L	82
21) iso-butyl alcohol	10.49	74	65348	526.31	ug/L	92
22) allyl chloride	7.53	76	124966	61.03	ug/L	95
23) acetonitrile	7.53	41	551773	568.93	ug/L	93
24) iodomethane	7.31	142	366330	47.58	ug/L	98
25) carbon disulfide	7.43	76	781903	52.61	ug/L	99
26) methylene chloride	7.73	84	220783	47.95	ug/L	98
27) 1-chloropropane	7.76	42	327016	47.18	ug/L	96
28) methyl acetate	7.51	43	103769	50.38	ug/L	99
29) methyl tert butyl ether	8.02	73	1173312	90.87	ug/L	89
30) trans-1,2-dichloroethene	8.09	61	279909	49.97	ug/L	98
31) di-isopropyl ether	8.60	45	696896	52.39	ug/L	99
32) 2-butanone	9.39	72	18110	51.80	ug/L	76
33) 1,1-dichloroethane	8.67	63	367728	54.67	ug/L	99
34) chloroprene	8.77	53	236225	45.59	ug/L	92
35) acrylonitrile	8.08	53	307235	287.02	ug/L	99
36) vinyl acetate	8.64	86	27673	51.55	ug/L	97
37) ethyl tert-butyl ether	9.07	59	663314	50.94	ug/L	98
38) ethyl acetate	9.37	45	19329	49.68	ug/L #	89

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158433.D
Acq On : 18 Dec 2015 9:34 am
Operator : payalr
Sample : bs
Misc : MS96180,VV6686,5.0,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 15:38:57 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,2-dichloropropane	9.41	77	357749	51.00	ug/L		92
40) cis-1,2-dichloroethene	9.42	96	221483	50.64	ug/L		95
41) propionitrile	9.51	54	241811	597.60	ug/L		98
42) methyl acrylate	9.47	85	20957	54.37	ug/L	#	92
43) methacrylonitrile	9.68	67	60585	54.01	ug/L		94
44) bromochloromethane	9.74	128	94644	48.85	ug/L		87
45) tetrahydrofuran	9.78	42	50385	45.12	ug/L		89
46) chloroform	9.79	83	333411	50.41	ug/L		98
47) tert-Butyl Formate	9.81	59	139558	47.15	ug/L		96
50) 1,1,1-trichloroethane	10.04	97	333091	48.78	ug/L		99
51) Cyclohexane	10.10	84	376682	56.97	ug/L		78
53) methylcyclohexane	11.42	83	359379	51.35	ug/L		99
54) epichlorohydrin	12.20	57	73657	251.81	ug/L		98
55) n-butyl alcohol	10.98	56	281983	2695.15	ug/L		96
56) carbon tetrachloride	10.24	117	287324	46.60	ug/L		99
57) 1,1-dichloropropene	10.21	75	255455	52.32	ug/L		99
58) hexane	8.36	57	214801	53.62	ug/L		98
59) 2,2,4-Trimethylpentane	10.43	57	701891	48.84	ug/L		96
60) benzene	10.49	78	803869	51.76	ug/L		97
61) tert-amyl methyl ether	10.48	73	619290	46.70	ug/L		97
62) heptane	10.60	57	123244	48.02	ug/L		93
63) isopropyl acetate	10.37	61	65980	57.82	ug/L		89
64) 1,2-dichloroethane	10.52	62	205388	45.95	ug/L		95
66) trichloroethene	11.21	95	187593	50.34	ug/L		97
67) 2-chloroethyl vinyl ether	12.04	63	495465	286.75	ug/L		96
68) methyl methacrylate	11.47	100	38742	54.25	ug/L	#	73
69) 1,2-dichloropropane	11.50	63	201590	55.66	ug/L		99
70) dibromomethane	11.68	93	100017	47.13	ug/L		95
71) bromodichloromethane	11.80	83	239477	48.64	ug/L		94
72) 2-nitropropane	12.05	41	49854	42.30	ug/L		91
73) cis-1,3-dichloropropene	12.28	75	287628	51.99	ug/L		95
75) 4-methyl-2-pentanone	12.38	58	72347	58.58	ug/L	#	82
76) toluene	12.66	92	494171	52.02	ug/L		97
77) isoamyl alcohol	12.39	55	290360	1542.54	ug/L		96
78) trans-1,3-dichloropropene	12.89	75	236523	49.24	ug/L		91
79) ethyl methacrylate	12.85	69	201911	50.37	ug/L		98
80) 1,1,2-trichloroethane	13.14	83	125051	52.14	ug/L		94
81) 2-hexanone	13.30	58	54749	53.73	ug/L		99
83) tetrachloroethene	13.30	166	200780	45.98	ug/L		92
84) 1,3-dichloropropane	13.34	76	235721	50.13	ug/L		99
85) butyl acetate	13.36	56	107964	55.25	ug/L		96
86) 3,3-Dimethyl-1-Butanol	13.49	69	165747	467.49	ug/L		99
87) dibromochloromethane	13.64	129	172540	46.11	ug/L		98
88) 1,2-dibromoethane	13.81	107	139919	48.05	ug/L		93
89) chlorobenzene	14.31	112	526197	50.73	ug/L		100
90) 1,1,1,2-tetrachloroethane	14.37	131	222359	46.11	ug/L		97
91) ethylbenzene	14.35	91	951787	49.62	ug/L		98
92) m,p-xylene	14.46	106	745366	97.43	ug/L		98
93) o-xylene	14.94	106	413104	51.20	ug/L		99
94) styrene	14.95	104	609882	49.05	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158433.D
Acq On : 18 Dec 2015 9:34 am
Operator : payalr
Sample : bs
Misc : MS96180,VV6686,5.0,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 15:38:57 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

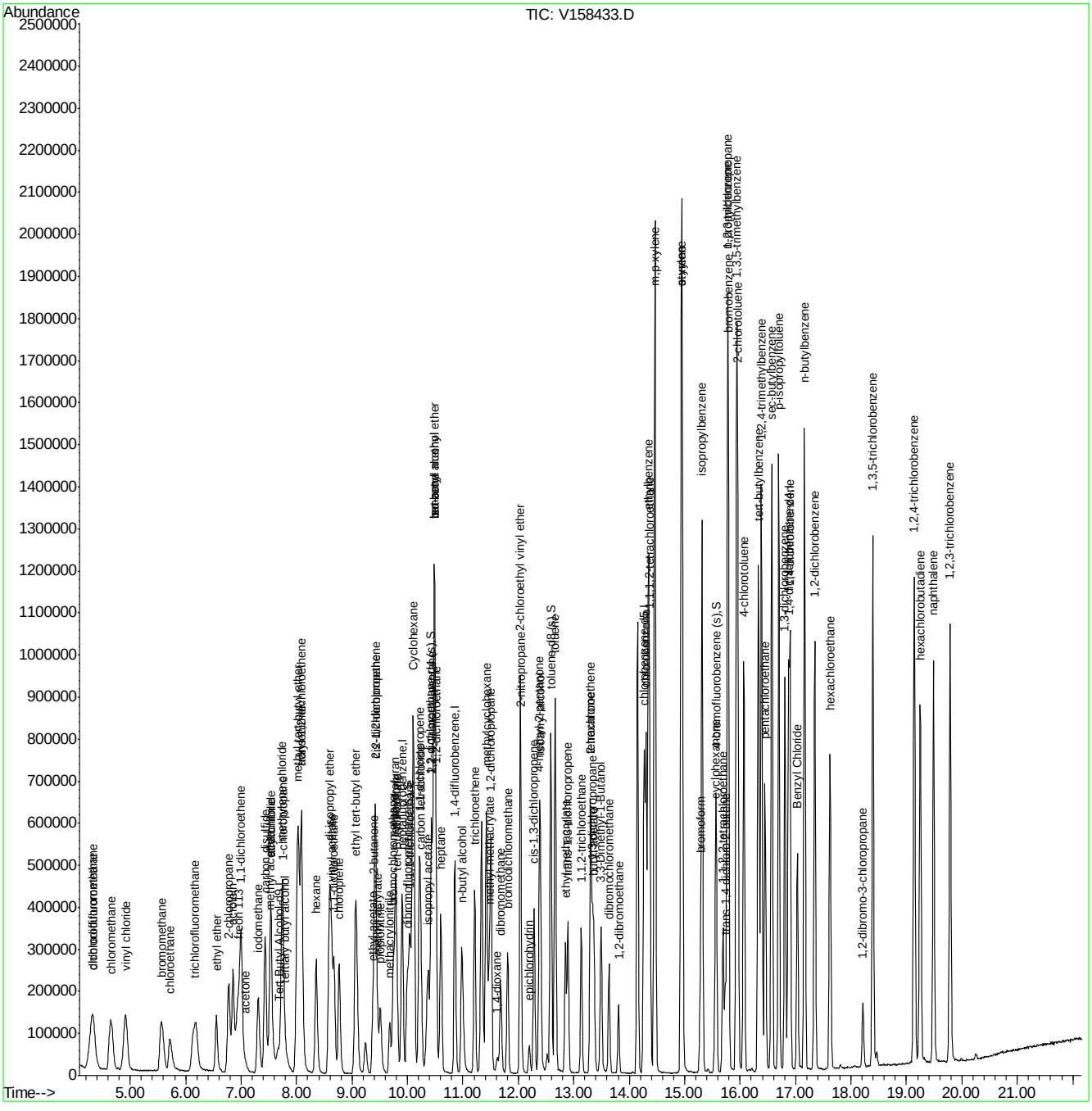
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
95) bromoform	15.28	173	119213	44.55 ug/L	98
96) cyclohexanone	15.55	55	78042	402.14 ug/L	94
99) isopropylbenzene	15.31	105	1102659	52.36 ug/L	100
100) 1,1,2,2-tetrachloroethane	15.69	83	230168	50.66 ug/L	99
101) trans-1,4-dichloro-2-buten	15.73	53	55485	45.31 ug/L	87
102) 1,2,3-trichloropropane	15.78	110	51010	46.36 ug/L	92
103) bromobenzene	15.79	156	236020	49.01 ug/L	89
104) n-propylbenzene	15.77	91	1269129	55.39 ug/L	99
105) 2-chlorotoluene	15.96	126	259964	50.97 ug/L	93
106) 4-chlorotoluene	16.07	91	692926	50.56 ug/L	99
107) 1,3,5-trimethylbenzene	15.94	105	943744	50.72 ug/L	99
108) tert-butylbenzene	16.33	119	786248	50.58 ug/L	99
109) pentachloroethane	16.45	167	179691	52.47 ug/L	98
110) 1,2,4-trimethylbenzene	16.38	105	969781	53.16 ug/L	98
111) sec-butylbenzene	16.57	105	1294081	51.42 ug/L	99
112) p-isopropyltoluene	16.70	119	1103677	53.24 ug/L	98
113) 1,3-dichlorobenzene	16.81	146	498884	48.88 ug/L	99
114) 1,4-dichlorobenzene	16.90	146	492097	49.22 ug/L	99
115) 1,2-dichlorobenzene	17.34	146	506964	48.12 ug/L	98
116) Benzyl Chloride	17.04	91	461835	50.34 ug/L	99
118) n-butylbenzene	17.16	92	588209	54.99 ug/L	98
119) hexachloroethane	17.62	201	177755	49.97 ug/L	98
120) 1,2-dibromo-3-chloropropan	18.22	157	56180	45.66 ug/L	98
121) 1,3,5-trichlorobenzene	18.40	180	531562	48.08 ug/L	98
122) 1,2,4-trichlorobenzene	19.14	180	508053	48.02 ug/L	98
123) hexachlorobutadiene	19.25	225	264707	46.15 ug/L	94
124) naphthalene	19.49	128	1007419	44.82 ug/L	98
125) 1,2,3-trichlorobenzene	19.79	180	475822	44.54 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158433.D
Acq On : 18 Dec 2015 9:34 am
Operator : payalr
Sample : bs
Misc : MS96180,VV6686,5.0,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 15:38:57 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201921.D
Acq On : 22 Dec 2015 9:45 pm
Operator : NicoleH1
Sample : BS
Misc : ms96371,vu9293,5.0,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 23 10:05:05 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.858	65	81154	500.00	ug/L	0.00
5) pentafluorobenzene	10.059	168	267376	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.984	114	312325	50.00	ug/L	0.00
96) chlorobenzene-d5	14.310	117	296164	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.882	152	156817	50.00	ug/L	-0.01
System Monitoring Compounds						
56) dibromofluoromethane (s)	10.138	113	98070	49.39	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 98.78%			
57) 1,2-dichloroethane-d4 (s)	10.561	65	102046	46.38	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 92.76%			
88) toluene-d8 (s)	12.668	98	388734	49.88	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 99.76%			
114) 4-bromofluorobenzene (s)	15.585	95	148463	44.64	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 89.28%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.973	59	49514	272.73	ug/L #	12
4) 1,4-dioxane	11.722	88	14834	988.68	ug/L	99
11) chlorodifluoromethane	4.387	51	97400	47.63	ug/L	97
12) dichlorodifluoromethane	4.361	85	96873	39.56	ug/L	98
15) chloromethane	4.753	50	133765	45.70	ug/L	99
16) vinyl chloride	5.030	62	124872	48.32	ug/L	99
18) bromomethane	5.699	94	93908	52.65	ug/L	97
19) chloroethane	5.877	64	81704	57.55	ug/L	99
20) trichlorofluoromethane	6.305	101	151815	43.73	ug/L	100
23) ethyl ether	6.739	74	62721	55.87	ug/L	94
24) 2-CHLOROPROPANE	6.959	43	195104	53.92	ug/L	96
27) acrolein	7.032	56	242628	647.39	ug/L	98
28) 1,1-dichloroethene	7.189	96	99226	53.21	ug/L	95
29) acetone	7.252	58	9119	54.57	ug/L	92
30) allyl chloride	7.722	76	63259	57.90	ug/L	97
31) acetonitrile	7.717	40	75471	417.19	ug/L #	69
32) iodomethane	7.487	142	192780	53.38	ug/L	96
33) carbon disulfide	7.607	76	360567	53.57	ug/L	98
34) 1-CHLOROPROPANE	7.947	63	9082	52.54	ug/L	87
35) methylene chloride	7.916	84	117417	54.73	ug/L	98
36) methyl acetate	7.691	43	83704	58.19	ug/L	98
37) methyl tert butyl ether	8.214	73	630118	97.12	ug/L	89
38) trans-1,2-dichloroethene	8.282	96	110527	54.14	ug/L	96
39) di-isopropyl ether	8.789	45	368137	54.96	ug/L	86
40) ethyl tert-butyl ether	9.249	59	348864	50.65	ug/L	100
41) 2-butanone	9.536	72	12653	51.26	ug/L #	89
42) 1,1-dichloroethane	8.846	63	199041	55.01	ug/L	99
43) chloroprene	8.940	53	147862	50.79	ug/L	98
44) acrylonitrile	8.250	53	215195	292.94	ug/L	98
45) vinyl acetate	8.810	86	21056	52.18	ug/L #	85
46) ethyl acetate	9.536	45	16776	56.89	ug/L	90
47) 2,2-dichloropropane	9.573	77	134576	42.83	ug/L	97
48) cis-1,2-dichloroethene	9.578	96	120316	53.32	ug/L	96
49) methyl acrylate	9.620	85	16245	49.34	ug/L #	83
50) propionitrile	9.657	54	153459	510.06	ug/L	97
51) bromochloromethane	9.892	128	60439	52.86	ug/L	97
52) tetrahydrofuran	9.918	42	36492	51.64	ug/L	100
53) chloroform	9.939	83	187778	51.91	ug/L	99
54) tert-butyl Formate	9.960	59	85824	45.94	ug/L	96
55) iso-butyl alcohol	10.352	43	42631	453.12	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201921.D
Acq On : 22 Dec 2015 9:45 pm
Operator : NicoleH1
Sample : BS
Misc : ms96371,vu9293,5.0,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 23 10:05:05 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	freon 113	7.152	151	78053	50.47 ug/L	99
59)	methacrylonitrile	9.829	41	65894	54.26 ug/L	95
60)	1,1,1-trichloroethane	10.185	97	165012	51.63 ug/L	99
62)	tert-amyl methyl ether	10.629	87	77215	50.68 ug/L	95
63)	iso-octane	10.587	57	366287	46.42 ug/L	99
66)	epichlorohydrin	12.281	57	53576	255.21 ug/L	99
67)	n-butyl alcohol	11.100	56	131007	2136.47 ug/L	99
68)	Cyclohexane	10.247	84	163995	51.19 ug/L	84
69)	carbon tetrachloride	10.383	117	151642	51.89 ug/L	98
70)	1,1-dichloropropene	10.357	75	148332	55.40 ug/L	98
71)	hexane	8.543	57	105778	39.44 ug/L	99
72)	benzene	10.624	78	441830	52.63 ug/L	100
73)	heptane	10.754	57	71719	46.42 ug/L	98
74)	isopropyl acetate	10.519	43	219250	56.48 ug/L	99
75)	1,2-dichloroethane	10.650	62	132401	49.15 ug/L	99
78)	trichloroethene	11.330	95	111287	52.71 ug/L	94
79)	methylcyclohexane	11.544	83	186394	51.03 ug/L	98
80)	2-nitropropane	12.135	41	39301	49.56 ug/L #	77
81)	2-chloroethyl vinyl ether	12.129	63	368506	280.29 ug/L	98
82)	methyl methacrylate	11.580	100	30326	52.43 ug/L	96
83)	1,2-dichloropropane	11.612	63	115604	55.02 ug/L	92
84)	propyl acetate	11.617	73	21428	52.59 ug/L	97
85)	dibromomethane	11.779	93	66597	49.66 ug/L	95
86)	bromodichloromethane	11.899	83	151576	52.26 ug/L	99
87)	cis-1,3-dichloropropene	12.370	75	183683	49.89 ug/L	97
89)	4-methyl-2-pentanone	12.459	58	44926	55.23 ug/L #	87
90)	toluene	12.746	92	284573	51.50 ug/L	100
91)	3-methyl-1-butanol	12.469	55	90105	901.94 ug/L	96
92)	trans-1,3-dichloropropene	12.961	75	163177	47.59 ug/L	98
93)	ethyl methacrylate	12.924	69	143615	52.33 ug/L	99
94)	1,1,2-trichloroethane	13.196	83	87716	50.89 ug/L	96
95)	2-hexanone	13.363	58	46150	56.57 ug/L	98
97)	cyclohexanone	15.564	55	23931	307.24 ug/L	99
98)	tetrachloroethene	13.368	164	108450	52.83 ug/L	94
99)	1,3-dichloropropane	13.395	76	167716	49.10 ug/L	99
100)	butyl acetate	13.426	56	81482	57.81 ug/L	98
101)	dibromochloromethane	13.687	129	131473	51.47 ug/L	100
102)	1,2-dibromoethane	13.855	107	107405	50.80 ug/L	99
103)	3,3-dimethyl-1-Butanol	13.546	57	90463	430.18 ug/L	99
104)	n-butyl ether	14.200	57	593526	62.05 ug/L	99
105)	chlorobenzene	14.346	112	330006	50.86 ug/L	99
106)	1,1,1,2-tetrachloroethane	14.409	131	119758	49.97 ug/L	99
107)	ethylbenzene	14.388	91	549433	50.00 ug/L	100
108)	m,p-xylene	14.503	106	434914	102.03 ug/L	95
109)	o-xylene	14.973	106	220570	53.31 ug/L	95
110)	styrene	14.984	104	370238	52.88 ug/L	96
111)	bromoform	15.303	173	99315	54.55 ug/L	98
113)	isopropylbenzene	15.345	105	562700	46.06 ug/L	99
115)	bromobenzene	15.810	156	157574	47.56 ug/L	95
116)	1,1,2,2-tetrachloroethane	15.700	83	145161	46.90 ug/L	99
117)	trans-1,4-dichloro-2-b...	15.747	53	36140	43.98 ug/L	93
118)	1,2,3-trichloropropane	15.789	110	37412	45.70 ug/L	99
119)	n-propylbenzene	15.799	91	678253	48.84 ug/L	100
120)	2-chlorotoluene	15.977	126	139034	48.15 ug/L	96
121)	4-chlorotoluene	16.087	91	404133	45.75 ug/L	98
123)	1,3,5-trimethylbenzene	15.962	105	468157	47.08 ug/L	98
124)	tert-butylbenzene	16.354	119	426935	47.62 ug/L	97
125)	pentachloroethane	16.463	167	97761	48.66 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201921.D
Acq On : 22 Dec 2015 9:45 pm
Operator : NicoleH1
Sample : BS
Misc : ms96371,vu9293,5.0,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 23 10:05:05 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
126) 1,2,4-trimethylbenzene	16.406	105	482934	49.43 ug/L	98
128) sec-butylbenzene	16.594	105	607172	48.10 ug/L	99
129) 1,3-dichlorobenzene	16.824	146	288533	49.02 ug/L	98
130) p-isopropyltoluene	16.720	119	527507	49.39 ug/L	98
131) 1,4-dichlorobenzene	16.913	146	290401	48.61 ug/L	98
132) benzyl chloride	17.044	91	243322	37.72 ug/L	100
133) 1,2-dichlorobenzene	17.352	146	270026	49.48 ug/L	99
135) n-butylbenzene	17.180	92	249156	50.63 ug/L	99
137) 1,2-dibromo-3-chloropr...	18.210	157	29277	51.08 ug/L	98
138) 1,3,5-trichlorobenzene	18.398	180	215312	50.28 ug/L	99
139) 1,2,4-trichlorobenzene	19.135	180	180030	54.47 ug/L	100
140) hexachlorobutadiene	19.250	225	101014	48.51 ug/L	99
141) naphthalene	19.464	128	351719	54.05 ug/L	99
143) 1,2,3-trichlorobenzene	19.736	180	145132	52.78 ug/L	99
144) hexachloroethane	17.634	201	99705	51.11 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

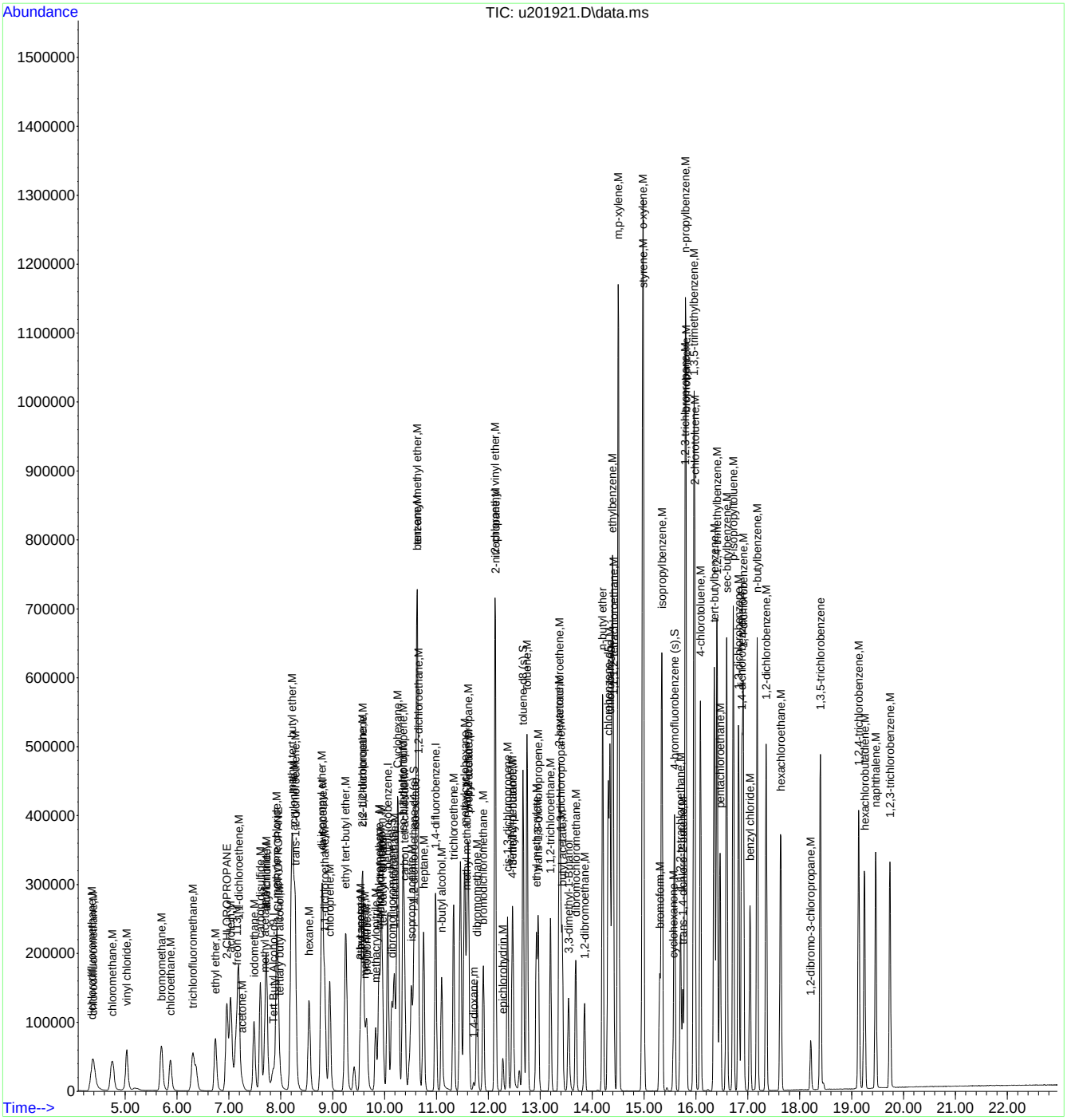
7.3.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201921.D
Acq On : 22 Dec 2015 9:45 pm
Operator : NicoleH1
Sample : BS
Misc : ms96371,vu9293,5.0,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 23 10:05:05 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158439.D
Acq On : 18 Dec 2015 1:01 pm
Operator : payalr
Sample : jc10703-1Ams
Misc : MS96095,VV6686,5.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 21 15:47:36 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.67	65	242424	500.00	ug/L	-0.01
4) pentafluorobenzene	9.91	168	433461	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.85	114	554065	50.00	ug/L	-0.01
82) chlorobenzene-d5	14.27	117	515911	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	267358	50.00	ug/L	0.00

System Monitoring Compounds

48) dibromofluoromethane (s)	10.00	113	175471	50.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 101.98%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	166723	49.01	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 98.02%			
74) toluene-d8 (s)	12.58	98	657333	48.99	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 97.98%			
97) 4-bromofluorobenzene (s)	15.57	95	249496	48.82	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 97.64%			

Target Compounds

						Qvalue
2) tertiary butyl alcohol	7.80	59	94552	151.94	ug/L	99
3) 1,4-dioxane	11.63	88	43836	981.85	ug/L	98
6) chlorodifluoromethane	4.30	51	282488	45.03	ug/L	98
7) dichlorodifluoromethane	4.29	85	276496	39.34	ug/L	98
8) chloromethane	4.65	50	265058	40.70	ug/L	98
9) vinyl chloride	4.91	62	287843	43.14	ug/L	99
11) bromomethane	5.56	96	139808	36.72	ug/L	98
12) chloroethane	5.71	64	109496	35.87	ug/L	96
13) trichlorofluoromethane	6.17	101	254171	37.98	ug/L	97
15) ethyl ether	6.55	74	63817	34.82	ug/L	83
16) 2-chloropropane	6.77	43	247225	34.31	ug/L	95
17) acrolein	6.85	56	161024	259.14	ug/L	99
18) freon 113	6.96	151	134918	43.83	ug/L	97
19) 1,1-dichloroethene	7.00	61	199197	34.01	ug/L	98
20) acetone	7.07	58	22281	77.70	ug/L	77
21) iso-butyl alcohol	10.49	74	44578	361.55	ug/L	93
22) allyl chloride	7.53	76	84620	41.62	ug/L	99
23) acetonitrile	7.53	41	396050	411.24	ug/L	93
24) iodomethane	7.31	142	252447	33.02	ug/L	95
25) carbon disulfide	7.43	76	532392	36.07	ug/L	98
26) methylene chloride	7.74	84	150071	32.82	ug/L	97
27) 1-chloropropane	7.76	42	235574	34.23	ug/L	95
28) methyl acetate	7.51	43	126043	61.63	ug/L	98
29) methyl tert butyl ether	8.02	73	406064	31.67	ug/L	98
30) trans-1,2-dichloroethene	8.09	61	196322	35.30	ug/L	99
31) di-isopropyl ether	8.60	45	479152	36.27	ug/L	97
32) 2-butanone	9.39	72	11345	32.68	ug/L	71
33) 1,1-dichloroethane	8.67	63	245590	36.77	ug/L	98
34) chloroprene	8.77	53	193546	37.62	ug/L	94
35) acrylonitrile	8.08	53	203929	191.85	ug/L	97
36) vinyl acetate	8.64	86	9367	17.57	ug/L	70
37) ethyl tert-butyl ether	9.06	59	469711	36.33	ug/L	98
38) ethyl acetate	9.37	45	12519	32.40	ug/L #	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158439.D
Acq On : 18 Dec 2015 1:01 pm
Operator : payalr
Sample : jc10703-1Ams
Misc : MS96095,VV6686,5.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 21 15:47:36 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,2-dichloropropane	9.41	77	244426	35.09	ug/L		97
40) cis-1,2-dichloroethene	9.41	96	148458	34.18	ug/L		99
41) propionitrile	9.51	54	168815	420.13	ug/L		98
42) methyl acrylate	9.47	85	14939	39.03	ug/L	#	91
43) methacrylonitrile	9.68	67	45081	40.47	ug/L		89
44) bromochloromethane	9.74	128	66918	34.78	ug/L		88
45) tetrahydrofuran	9.77	42	39443	35.57	ug/L		95
46) chloroform	9.79	83	217831	33.17	ug/L		97
47) tert-Butyl Formate	9.81	59	77951	26.52	ug/L		95
50) 1,1,1-trichloroethane	10.04	97	216792	31.97	ug/L		98
51) Cyclohexane	10.10	84	238142	36.27	ug/L		81
53) methylcyclohexane	11.42	83	260659	36.89	ug/L		98
54) epichlorohydrin	12.20	57	52917	179.18	ug/L		98
55) n-butyl alcohol	10.98	56	215773	2042.63	ug/L		95
56) carbon tetrachloride	10.24	117	192580	30.93	ug/L		97
57) 1,1-dichloropropene	10.21	75	167198	33.91	ug/L		98
58) hexane	8.35	57	170766	42.22	ug/L		100
59) 2,2,4-Trimethylpentane	10.43	57	443315	30.55	ug/L		96
60) benzene	10.49	78	544340	34.71	ug/L		97
61) tert-amyl methyl ether	10.49	73	439306	32.81	ug/L		99
62) heptane	10.60	57	87355	33.71	ug/L		94
63) isopropyl acetate	10.38	61	45367	39.38	ug/L	#	88
64) 1,2-dichloroethane	10.52	62	142396	31.55	ug/L		97
66) trichloroethene	11.21	95	124440	33.07	ug/L		97
67) 2-chloroethyl vinyl ether	12.03	63	345512	198.05	ug/L		96
68) methyl methacrylate	11.47	100	28121	39.00	ug/L		93
69) 1,2-dichloropropane	11.51	63	133438	36.49	ug/L		99
70) dibromomethane	11.68	93	70358	32.84	ug/L		93
71) bromodichloromethane	11.80	83	156458	31.48	ug/L		98
72) 2-nitropropane	12.05	41	35278	29.64	ug/L		89
73) cis-1,3-dichloropropene	12.29	75	193350	34.61	ug/L		92
75) 4-methyl-2-pentanone	12.37	58	47074	37.75	ug/L		94
76) toluene	12.67	92	318853	33.25	ug/L		95
77) isoamyl alcohol	12.39	55	131688	692.91	ug/L		97
78) trans-1,3-dichloropropene	12.89	75	163672	33.75	ug/L		93
79) ethyl methacrylate	12.85	69	133236	32.92	ug/L		98
80) 1,1,2-trichloroethane	13.14	83	84561	34.92	ug/L		96
81) 2-hexanone	13.31	58	43786	42.56	ug/L		99
83) tetrachloroethene	13.31	166	128977	29.08	ug/L		93
84) 1,3-dichloropropane	13.34	76	164415	34.43	ug/L		97
85) butyl acetate	13.37	56	48173	24.27	ug/L		94
86) 3,3-Dimethyl-1-Butanol	13.49	69	112376	312.03	ug/L		95
87) dibromochloromethane	13.64	129	113269	29.80	ug/L		98
88) 1,2-dibromoethane	13.81	107	99168	33.53	ug/L		95
89) chlorobenzene	14.30	112	321891	30.55	ug/L		97
90) 1,1,1,2-tetrachloroethane	14.37	131	142617	29.12	ug/L		99
91) ethylbenzene	14.35	91	588414	30.20	ug/L		96
92) m,p-xylene	14.46	106	454659	58.51	ug/L		99
93) o-xylene	14.94	106	240285	29.32	ug/L		100
94) styrene	14.95	104	365824	28.96	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158439.D
Acq On : 18 Dec 2015 1:01 pm
Operator : payalr
Sample : jc10703-1Ams
Misc : MS96095,VV6686,5.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 21 15:47:36 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
95) bromoform	15.28	173	77102	28.37 ug/L	98
96) cyclohexanone	15.55	55	106934	542.45 ug/L	95
99) isopropylbenzene	15.31	105	627226	30.96 ug/L	99
100) 1,1,2,2-tetrachloroethane	15.69	83	151763	34.72 ug/L	96
101) trans-1,4-dichloro-2-buten	15.73	53	35802	30.39 ug/L	98
102) 1,2,3-trichloropropane	15.78	110	35879	33.89 ug/L #	79
103) bromobenzene	15.79	156	141390	30.51 ug/L	87
104) n-propylbenzene	15.77	91	703856	31.93 ug/L	99
105) 2-chlorotoluene	15.96	126	147453	30.05 ug/L	98
106) 4-chlorotoluene	16.07	91	394476	29.92 ug/L	99
107) 1,3,5-trimethylbenzene	15.94	105	505693	28.25 ug/L	99
108) tert-butylbenzene	16.33	119	428713	28.66 ug/L	98
109) pentachloroethane	16.45	167	98775	29.98 ug/L	96
110) 1,2,4-trimethylbenzene	16.39	105	521251	29.70 ug/L	99
111) sec-butylbenzene	16.57	105	677069	27.96 ug/L	99
112) p-isopropyltoluene	16.70	119	547460	27.45 ug/L	97
113) 1,3-dichlorobenzene	16.81	146	258853	26.36 ug/L	97
114) 1,4-dichlorobenzene	16.90	146	256093	26.62 ug/L	97
115) 1,2-dichlorobenzene	17.35	146	258204	25.47 ug/L	99
116) Benzyl Chloride	17.04	91	314842	35.67 ug/L	100
118) n-butylbenzene	17.16	92	279976	27.20 ug/L	97
119) hexachloroethane	17.62	201	85976	25.12 ug/L	97
120) 1,2-dibromo-3-chloropropan	18.22	157	36011	30.42 ug/L	97
121) 1,3,5-trichlorobenzene	18.39	180	207787	19.54 ug/L	99
122) 1,2,4-trichlorobenzene	19.14	180	183473	18.02 ug/L	97
123) hexachlorobutadiene	19.25	225	82142	14.88 ug/L	90
124) naphthalene	19.49	128	451876	20.89 ug/L	97
125) 1,2,3-trichlorobenzene	19.79	180	162324	15.79 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

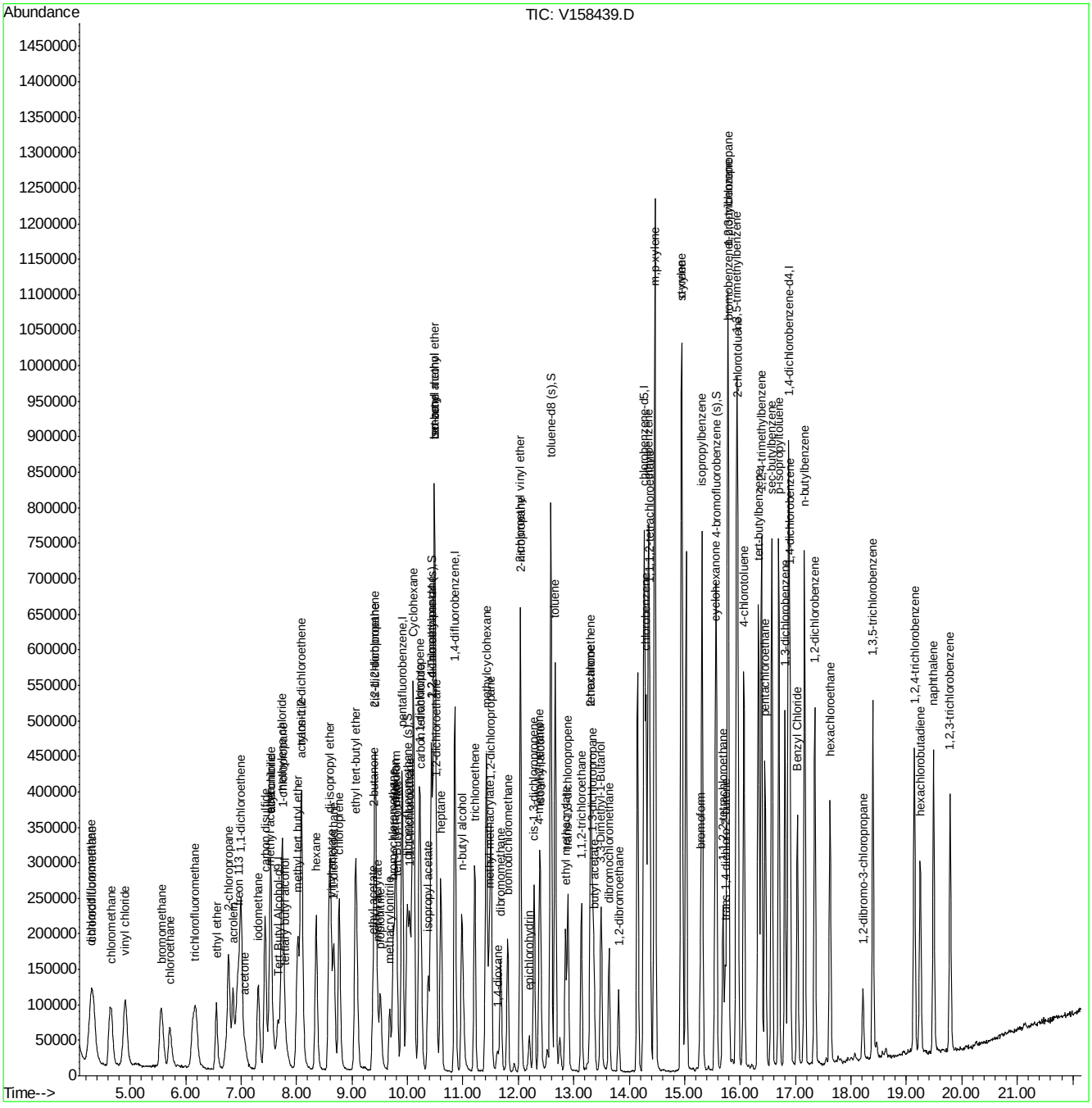
7.4.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158439.D
Acq On : 18 Dec 2015 1:01 pm
Operator : payalr
Sample : jc10703-1Ams
Misc : MS96095,VV6686,5.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 21 15:47:36 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration



MVS6633.M Mon Dec 21 15:47:41 2015 MSV

Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201922.D
Acq On : 22 Dec 2015 10:14 pm
Operator : NicoleH1
Sample : JC10827-1MS
Misc : ms96224,vu9293,5.0,,,,25
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 23 10:05:26 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.874	65	80047	500.00	ug/L	0.02
5) pentafluorobenzene	10.059	168	270781	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.984	114	314224	50.00	ug/L	0.00
96) chlorobenzene-d5	14.309	117	298788	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.887	152	159116	50.00	ug/L	0.00
System Monitoring Compounds						
56) dibromofluoromethane (s)	10.137	113	97201	48.34	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 96.68%			
57) 1,2-dichloroethane-d4 (s)	10.561	65	101975	45.77	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 91.54%			
88) toluene-d8 (s)	12.668	98	394495	50.32	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 100.64%			
114) 4-bromofluorobenzene (s)	15.585	95	150237	44.52	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 89.04%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.984	59	53860	300.77	ug/L #	39
4) 1,4-dioxane	11.716	88	15169	1024.99	ug/L #	90
11) chlorodifluoromethane	4.397	51	94518	45.64	ug/L	95
12) dichlorodifluoromethane	4.366	85	94220	37.99	ug/L	97
15) chloromethane	4.753	50	130689	44.09	ug/L	97
16) vinyl chloride	5.040	62	123784	47.30	ug/L	97
18) bromomethane	5.704	94	93600	51.81	ug/L	97
19) chloroethane	5.877	64	80888	56.26	ug/L	98
20) trichlorofluoromethane	6.305	101	151007	42.95	ug/L	99
23) ethyl ether	6.739	74	63261	55.65	ug/L	95
24) 2-CHLOROPROPANE	6.964	43	234650	64.03	ug/L	91
27) acrolein	7.032	56	243572	641.73	ug/L	96
28) 1,1-dichloroethene	7.189	96	102397	54.22	ug/L	93
29) acetone	7.241	58	9454	55.87	ug/L #	1
30) allyl chloride	7.722	76	66570	60.17	ug/L	91
31) acetonitrile	7.717	40	75400	411.56	ug/L #	61
32) iodomethane	7.487	142	198610	54.30	ug/L	97
33) carbon disulfide	7.607	76	374319	54.91	ug/L	98
34) 1-CHLOROPROPANE	7.947	63	9780	55.86	ug/L #	1
35) methylene chloride	7.921	84	126050	58.02	ug/L	96
36) methyl acetate	7.696	43	83861	57.57	ug/L	98
37) methyl tert butyl ether	8.214	73	633166	96.36	ug/L	62
38) trans-1,2-dichloroethene	8.282	96	113040	54.67	ug/L	95
39) di-isopropyl ether	8.789	45	359400	52.98	ug/L	88
40) ethyl tert-butyl ether	9.249	59	343956	49.31	ug/L	97
41) 2-butanone	9.536	72	12706	50.83	ug/L #	84
42) 1,1-dichloroethane	8.846	63	202213	55.19	ug/L	99
43) chloroprene	8.945	53	151589	51.42	ug/L	98
44) acrylonitrile	8.250	53	215572	289.76	ug/L	98
45) vinyl acetate	8.810	86	21033	51.47	ug/L #	88
46) ethyl acetate	9.536	45	16139	54.04	ug/L	93
47) 2,2-dichloropropane	9.573	77	145068	45.59	ug/L	98
48) cis-1,2-dichloroethene	9.578	96	122522	53.61	ug/L	96
49) methyl acrylate	9.620	85	16310	48.91	ug/L #	89
50) propionitrile	9.656	54	157226	516.01	ug/L	93
51) bromochloromethane	9.892	128	61111	52.77	ug/L	97
52) tetrahydrofuran	9.918	42	35211	49.20	ug/L	87
53) chloroform	9.939	83	197820	54.00	ug/L	98
54) tert-butyl Formate	9.960	59	77147	40.78	ug/L #	75
55) iso-butyl alcohol	10.352	43	38741	406.60	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201922.D
Acq On : 22 Dec 2015 10:14 pm
Operator : NicoleH1
Sample : JC10827-1MS
Misc : ms96224,vu9293,5.0,,,,25
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 23 10:05:26 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) freon 113	7.157	151	78321	50.00 ug/L	97
59) methacrylonitrile	9.829	41	65735	53.45 ug/L	96
60) 1,1,1-trichloroethane	10.190	97	169247	52.29 ug/L	99
62) tert-amyl methyl ether	10.634	87	76354	49.49 ug/L	94
63) iso-octane	10.592	57	481777	60.29 ug/L	92
66) epichlorohydrin	12.281	57	72645	343.95 ug/L	97
67) n-butyl alcohol	11.099	56	132829	2153.10 ug/L	94
68) Cyclohexane	10.247	84	188258	58.40 ug/L	88
69) carbon tetrachloride	10.383	117	155675	52.95 ug/L	99
70) 1,1-dichloropropene	10.357	75	153198	56.87 ug/L	98
71) hexane	8.548	57	153860	57.03 ug/L	98
72) benzene	10.629	78	492067	58.26 ug/L	100
73) heptane	10.749	57	88904	57.19 ug/L	92
74) isopropyl acetate	10.519	43	223759	57.30 ug/L	99
75) 1,2-dichloroethane	10.650	62	135818	50.12 ug/L	99
78) trichloroethene	11.329	95	116290	54.75 ug/L	97
79) methylcyclohexane	11.544	83	229029	62.32 ug/L	99
80) 2-nitropropane	12.135	41	56725	71.09 ug/L #	1
81) 2-chloroethyl vinyl ether	12.129	63	35305	26.69 ug/L	97
82) methyl methacrylate	11.586	100	31727	54.52 ug/L	96
83) 1,2-dichloropropane	11.612	63	117891	55.77 ug/L	93
84) propyl acetate	11.617	73	21352	52.09 ug/L	98
85) dibromomethane	11.779	93	67752	50.22 ug/L	93
86) bromodichloromethane	11.905	83	156335	53.58 ug/L	99
87) cis-1,3-dichloropropene	12.370	75	190935	51.54 ug/L	97
89) 4-methyl-2-pentanone	12.459	58	46189	56.44 ug/L #	82
90) toluene	12.746	92	372291	66.96 ug/L	99
91) 3-methyl-1-butanol	12.469	55	155865	1550.76 ug/L	72
92) trans-1,3-dichloropropene	12.961	75	167191	48.46 ug/L	98
93) ethyl methacrylate	12.924	69	148346	53.73 ug/L	98
94) 1,1,2-trichloroethane	13.196	83	90188	52.01 ug/L	95
95) 2-hexanone	13.363	58	47538	57.92 ug/L	97
97) cyclohexanone	15.564	55	27880	354.79 ug/L	98
98) tetrachloroethene	13.368	164	111916	54.04 ug/L	97
99) 1,3-dichloropropane	13.395	76	170231	49.40 ug/L	99
100) butyl acetate	13.426	56	82978	58.35 ug/L	98
101) dibromochloromethane	13.687	129	132768	51.52 ug/L	98
102) 1,2-dibromoethane	13.855	107	109941	51.54 ug/L	100
103) 3,3-dimethyl-1-Butanol	13.546	57	90067	424.53 ug/L #	75
104) n-butyl ether	14.205	57	613596	63.58 ug/L	99
105) chlorobenzene	14.346	112	339394	51.84 ug/L	99
106) 1,1,1,2-tetrachloroethane	14.409	131	119391	49.38 ug/L	99
107) ethylbenzene	14.393	91	2533454	228.50 ug/L	100
108) m,p-xylene	14.508	106	2935245	682.55 ug/L	97
109) o-xylene	14.973	106	1245908	298.46 ug/L	97
110) styrene	14.984	104	434450	61.51 ug/L	78
111) bromoform	15.303	173	100862	54.91 ug/L	99
113) isopropylbenzene	15.345	105	665455	53.69 ug/L	99
115) bromobenzene	15.810	156	161124	47.93 ug/L	95
116) 1,1,2,2-tetrachloroethane	15.705	83	147261	46.89 ug/L	99
117) trans-1,4-dichloro-2-b...	15.747	53	39292	47.12 ug/L	92
118) 1,2,3-trichloropropane	15.789	110	38360	46.18 ug/L	98
119) n-propylbenzene	15.799	91	1017320	72.19 ug/L	99
120) 2-chlorotoluene	15.977	126	142568	48.67 ug/L	95
121) 4-chlorotoluene	16.087	91	418295	46.67 ug/L	97
123) 1,3,5-trimethylbenzene	15.961	105	920633	91.25 ug/L	98
124) tert-butylbenzene	16.354	119	436723	48.01 ug/L	97
125) pentachloroethane	16.469	167	100416	49.26 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201922.D
Acq On : 22 Dec 2015 10:14 pm
Operator : NicoleH1
Sample : JC10827-1MS
Misc : ms96224,vu9293,5.0,,,,25
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 23 10:05:26 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
126) 1,2,4-trimethylbenzene	16.406	105	2284127	230.39 ug/L	99
128) sec-butylbenzene	16.594	105	645255	50.37 ug/L	99
129) 1,3-dichlorobenzene	16.824	146	300806	50.36 ug/L	98
130) p-isopropyltoluene	16.720	119	555308	51.25 ug/L	98
131) 1,4-dichlorobenzene	16.913	146	298780	49.29 ug/L	98
132) benzyl chloride	17.044	91	291936	44.60 ug/L	97
133) 1,2-dichlorobenzene	17.357	146	280600	50.67 ug/L	97
135) n-butylbenzene	17.180	92	286770	57.43 ug/L	92
137) 1,2-dibromo-3-chloropr...	18.215	157	29338	50.44 ug/L	97
138) 1,3,5-trichlorobenzene	18.398	180	225082	51.81 ug/L	99
139) 1,2,4-trichlorobenzene	19.135	180	190034	56.67 ug/L	99
140) hexachlorobutadiene	19.245	225	103437	48.96 ug/L	99
141) naphthalene	19.464	128	767186	116.20 ug/L	99
143) 1,2,3-trichlorobenzene	19.741	180	150765	54.03 ug/L	99
144) hexachloroethane	17.634	201	103066	52.07 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

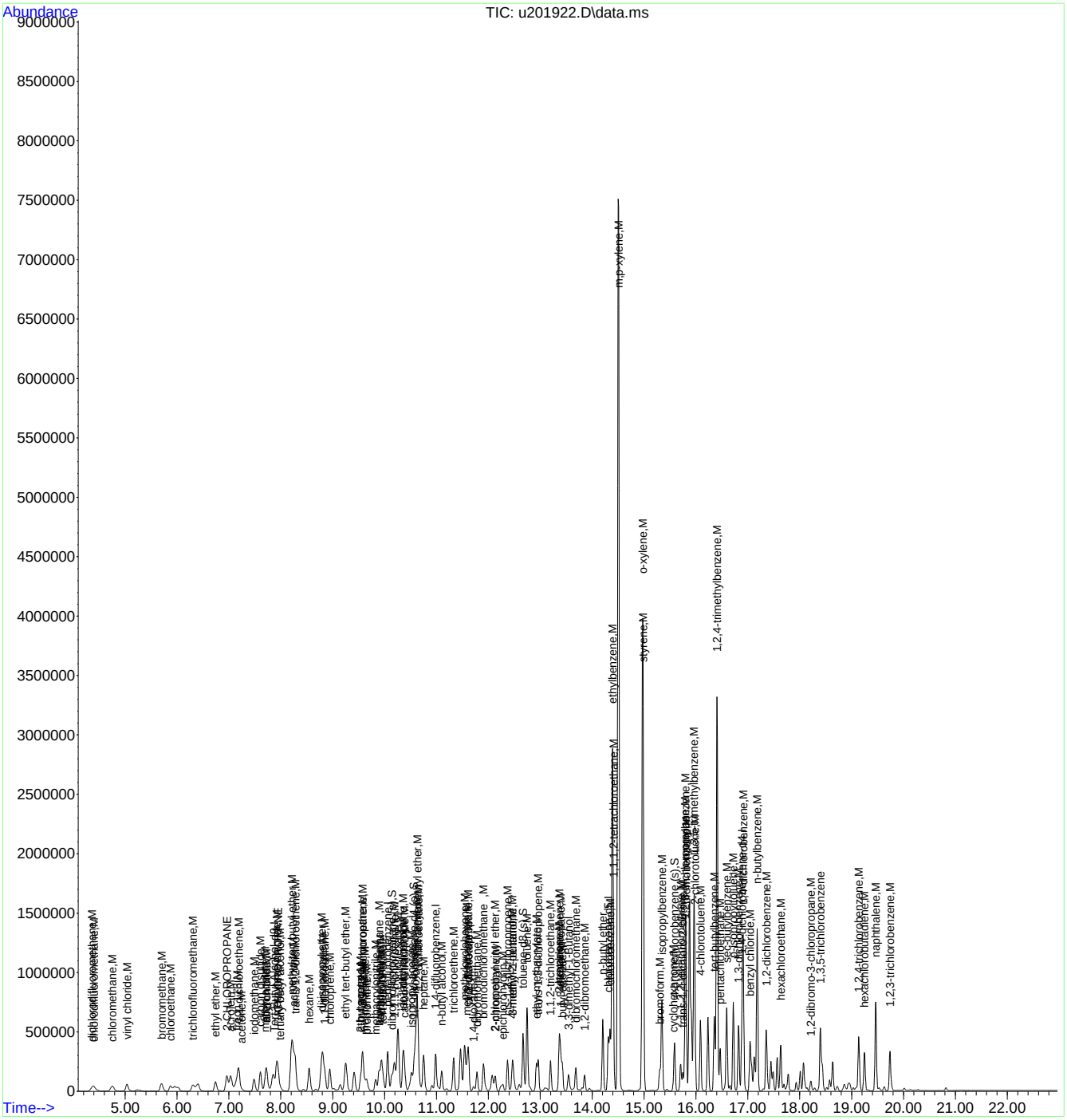
7.4.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201922.D
Acq On : 22 Dec 2015 10:14 pm
Operator : NicoleH1
Sample : JC10827-1MS
Misc : ms96224,vu9293,5.0,,,,25
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 23 10:05:26 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201923.D
Acq On : 22 Dec 2015 10:43 pm
Operator : NicoleH1
Sample : JC10827-1MSD
Misc : ms96224,vu9293,5.0,,,,25
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 23 10:05:46 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.874	65	80623	500.00	ug/L	0.02
5) pentafluorobenzene	10.059	168	277417	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.984	114	320784	50.00	ug/L	0.00
96) chlorobenzene-d5	14.309	117	302826	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.887	152	158193	50.00	ug/L	0.00
System Monitoring Compounds						
56) dibromofluoromethane (s)	10.137	113	99467	48.28	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 96.56%			
57) 1,2-dichloroethane-d4 (s)	10.561	65	102329	44.83	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 89.66%			
88) toluene-d8 (s)	12.668	98	398636	49.80	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 99.60%			
114) 4-bromofluorobenzene (s)	15.585	95	151026	45.02	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.04%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.994	59	53833	298.48	ug/L #	25
4) 1,4-dioxane	11.727	88	15617	1047.72	ug/L #	93
11) chlorodifluoromethane	4.381	51	90309	42.56	ug/L	96
12) dichlorodifluoromethane	4.355	85	95648	37.65	ug/L	97
15) chloromethane	4.747	50	123038	40.51	ug/L	99
16) vinyl chloride	5.035	62	120085	44.79	ug/L	99
18) bromomethane	5.699	94	91727	49.56	ug/L	94
19) chloroethane	5.871	64	78081	53.01	ug/L	97
20) trichlorofluoromethane	6.316	101	151323	42.01	ug/L	98
23) ethyl ether	6.744	74	63939	54.90	ug/L	93
24) 2-CHLOROPROPANE	6.964	43	230769	61.46	ug/L	93
27) acrolein	7.032	56	242934	624.74	ug/L	99
28) 1,1-dichloroethene	7.189	96	101545	52.48	ug/L	95
29) acetone	7.257	58	9531	54.98	ug/L #	1
30) allyl chloride	7.722	76	66402	58.58	ug/L	89
31) acetonitrile	7.722	40	77112	410.84	ug/L #	58
32) iodomethane	7.487	142	197722	52.76	ug/L	96
33) carbon disulfide	7.607	76	367157	52.57	ug/L	98
34) 1-CHLOROPROPANE	7.947	63	9640	53.75	ug/L #	1
35) methylene chloride	7.921	84	125654	56.45	ug/L	95
36) methyl acetate	7.696	43	82260	55.12	ug/L	99
37) methyl tert butyl ether	8.214	73	629173	93.46	ug/L	60
38) trans-1,2-dichloroethene	8.276	96	112787	53.24	ug/L	95
39) di-isopropyl ether	8.789	45	350788	50.47	ug/L	85
40) ethyl tert-butyl ether	9.254	59	338998	47.44	ug/L	98
41) 2-butanone	9.536	72	12798	49.97	ug/L #	93
42) 1,1-dichloroethane	8.846	63	200946	53.53	ug/L	99
43) chloroprene	8.945	53	149646	49.54	ug/L	98
44) acrylonitrile	8.250	53	215664	282.95	ug/L	99
45) vinyl acetate	8.815	86	21182	50.59	ug/L #	93
46) ethyl acetate	9.536	45	16353	53.45	ug/L	88
47) 2,2-dichloropropane	9.573	77	141854	43.51	ug/L	95
48) cis-1,2-dichloroethene	9.578	96	122882	52.48	ug/L	94
49) methyl acrylate	9.620	85	16875	49.40	ug/L	93
50) propionitrile	9.656	54	157089	503.22	ug/L	94
51) bromochloromethane	9.892	128	61467	51.81	ug/L	96
52) tetrahydrofuran	9.918	42	35586	48.54	ug/L	86
53) chloroform	9.939	83	197859	52.72	ug/L	97
54) tert-butyl Formate	9.965	59	76729	39.59	ug/L #	93
55) iso-butyl alcohol	10.357	43	39974	409.50	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201923.D
Acq On : 22 Dec 2015 10:43 pm
Operator : NicoleH1
Sample : JC10827-1MSD
Misc : ms96224,vu9293,5.0,,,,25
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 23 10:05:46 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) freon 113	7.147	151	80907	50.42 ug/L	99
59) methacrylonitrile	9.824	41	68650	54.48 ug/L	96
60) 1,1,1-trichloroethane	10.184	97	166696	50.27 ug/L	98
62) tert-amyl methyl ether	10.634	87	76459	48.37 ug/L	94
63) iso-octane	10.592	57	506301	61.85 ug/L	92
66) epichlorohydrin	12.281	57	72967	338.41 ug/L	97
67) n-butyl alcohol	11.105	56	131442	2087.04 ug/L	96
68) Cyclohexane	10.252	84	191853	58.30 ug/L #	76
69) carbon tetrachloride	10.383	117	153122	51.02 ug/L	97
70) 1,1-dichloropropene	10.357	75	151514	55.10 ug/L	97
71) hexane	8.543	57	161841	58.76 ug/L	98
72) benzene	10.624	78	486185	56.39 ug/L	99
73) heptane	10.749	57	91245	57.49 ug/L	93
74) isopropyl acetate	10.519	43	224223	56.24 ug/L	100
75) 1,2-dichloroethane	10.650	62	133767	48.35 ug/L	99
78) trichloroethene	11.329	95	114998	53.04 ug/L	97
79) methylcyclohexane	11.544	83	232743	62.04 ug/L	97
80) 2-nitropropane	12.135	41	57612	70.73 ug/L #	1
81) 2-chloroethyl vinyl ether	12.129	63	31785	23.54 ug/L	98
82) methyl methacrylate	11.586	100	32039	53.93 ug/L	98
83) 1,2-dichloropropane	11.612	63	115554	53.55 ug/L	93
84) propyl acetate	11.617	73	21028	50.25 ug/L	98
85) dibromomethane	11.779	93	67581	49.07 ug/L	97
86) bromodichloromethane	11.899	83	154846	51.98 ug/L	99
87) cis-1,3-dichloropropene	12.370	75	187738	49.64 ug/L	97
89) 4-methyl-2-pentanone	12.459	58	46226	55.33 ug/L #	83
90) toluene	12.746	92	365993	64.49 ug/L	99
91) 3-methyl-1-butanol	12.474	55	158130	1541.12 ug/L	71
92) trans-1,3-dichloropropene	12.961	75	165951	47.12 ug/L	98
93) ethyl methacrylate	12.924	69	149273	52.96 ug/L	98
94) 1,1,2-trichloroethane	13.196	83	93821	53.00 ug/L	94
95) 2-hexanone	13.363	58	47570	56.78 ug/L	99
97) cyclohexanone	15.564	55	44353	556.90 ug/L	97
98) tetrachloroethene	13.368	164	110950	52.86 ug/L	97
99) 1,3-dichloropropane	13.394	76	168251	48.18 ug/L	99
100) butyl acetate	13.426	56	82277	57.09 ug/L	97
101) dibromochloromethane	13.687	129	132621	50.78 ug/L	99
102) 1,2-dibromoethane	13.855	107	109493	50.65 ug/L	100
103) 3,3-dimethyl-1-Butanol	13.546	57	89095	414.35 ug/L #	77
104) n-butyl ether	14.205	57	597072	61.04 ug/L	99
105) chlorobenzene	14.346	112	338573	51.03 ug/L	98
106) 1,1,1,2-tetrachloroethane	14.409	131	118771	48.47 ug/L	96
107) ethylbenzene	14.393	91	2509172	223.30 ug/L	99
108) m,p-xylene	14.508	106	2896834	664.63 ug/L	97
109) o-xylene	14.973	106	1222157	288.86 ug/L	97
110) styrene	14.984	104	428067	59.80 ug/L	77
111) bromoform	15.303	173	100351	53.91 ug/L	98
113) isopropylbenzene	15.345	105	655024	53.16 ug/L	99
115) bromobenzene	15.810	156	158818	47.52 ug/L	94
116) 1,1,2,2-tetrachloroethane	15.705	83	146362	46.88 ug/L	98
117) trans-1,4-dichloro-2-b...	15.747	53	38818	46.83 ug/L	91
118) 1,2,3-trichloropropane	15.794	110	38246	46.32 ug/L	98
119) n-propylbenzene	15.799	91	991921	70.80 ug/L	100
120) 2-chlorotoluene	15.977	126	140444	48.22 ug/L	98
121) 4-chlorotoluene	16.087	91	411514	46.18 ug/L	98
123) 1,3,5-trimethylbenzene	15.961	105	906185	90.34 ug/L	98
124) tert-butylbenzene	16.354	119	430215	47.57 ug/L	97
125) pentachloroethane	16.463	167	99181	48.94 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201923.D
Acq On : 22 Dec 2015 10:43 pm
Operator : NicoleH1
Sample : JC10827-1MSD
Misc : ms96224,vu9293,5.0,,,,25
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 23 10:05:46 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
126) 1,2,4-trimethylbenzene	16.406	105	2241803	227.44 ug/L	98
128) sec-butylbenzene	16.589	105	633642	49.76 ug/L	99
129) 1,3-dichlorobenzene	16.819	146	294573	49.61 ug/L	98
130) p-isopropyltoluene	16.719	119	540691	50.19 ug/L	98
131) 1,4-dichlorobenzene	16.913	146	294720	48.91 ug/L	98
132) benzyl chloride	17.044	91	286647	44.04 ug/L	99
133) 1,2-dichlorobenzene	17.352	146	276373	50.20 ug/L	99
135) n-butylbenzene	17.180	92	278735	56.15 ug/L	90
137) 1,2-dibromo-3-chloropr...	18.215	157	29679	51.33 ug/L	97
138) 1,3,5-trichlorobenzene	18.398	180	220297	51.00 ug/L	99
139) 1,2,4-trichlorobenzene	19.135	180	187306	56.18 ug/L	99
140) hexachlorobutadiene	19.250	225	101743	48.44 ug/L	98
141) naphthalene	19.464	128	766415	116.76 ug/L	99
143) 1,2,3-trichlorobenzene	19.736	180	149397	53.85 ug/L	99
144) hexachloroethane	17.634	201	100739	51.19 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

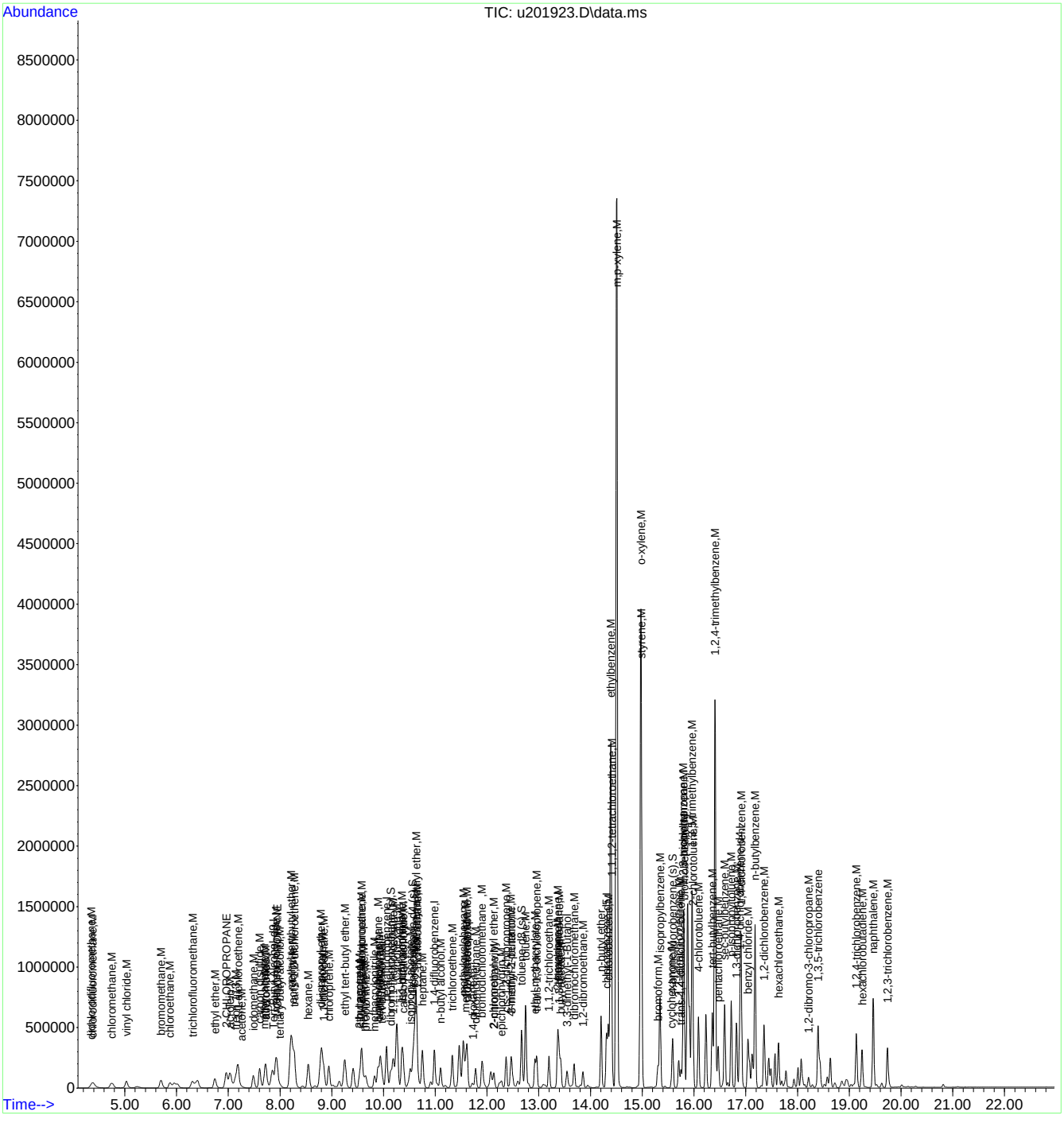
7.4.3

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201923.D
Acq On : 22 Dec 2015 10:43 pm
Operator : NicoleH1
Sample : JC10827-1MSD
Misc : ms96224,vu9293,5.0,,,,25
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 23 10:05:46 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158441.D
Acq On : 18 Dec 2015 1:58 pm
Operator : payalr
Sample : jc10703-3Adup
Misc : MS96095,VV6686,6.1,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 21 15:48:28 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.68	65	223138	500.00	ug/L	0.00
4) pentafluorobenzene	9.91	168	463569	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	576023	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	536712	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	306332	50.00	ug/L	0.00

System Monitoring Compounds

48) dibromofluoromethane (s)	10.00	113	178976	48.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 97.26%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	165301	45.44	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 90.88%			
74) toluene-d8 (s)	12.58	98	695291	49.85	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.70%			
97) 4-bromofluorobenzene (s)	15.57	95	268540	50.51	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 101.02%			

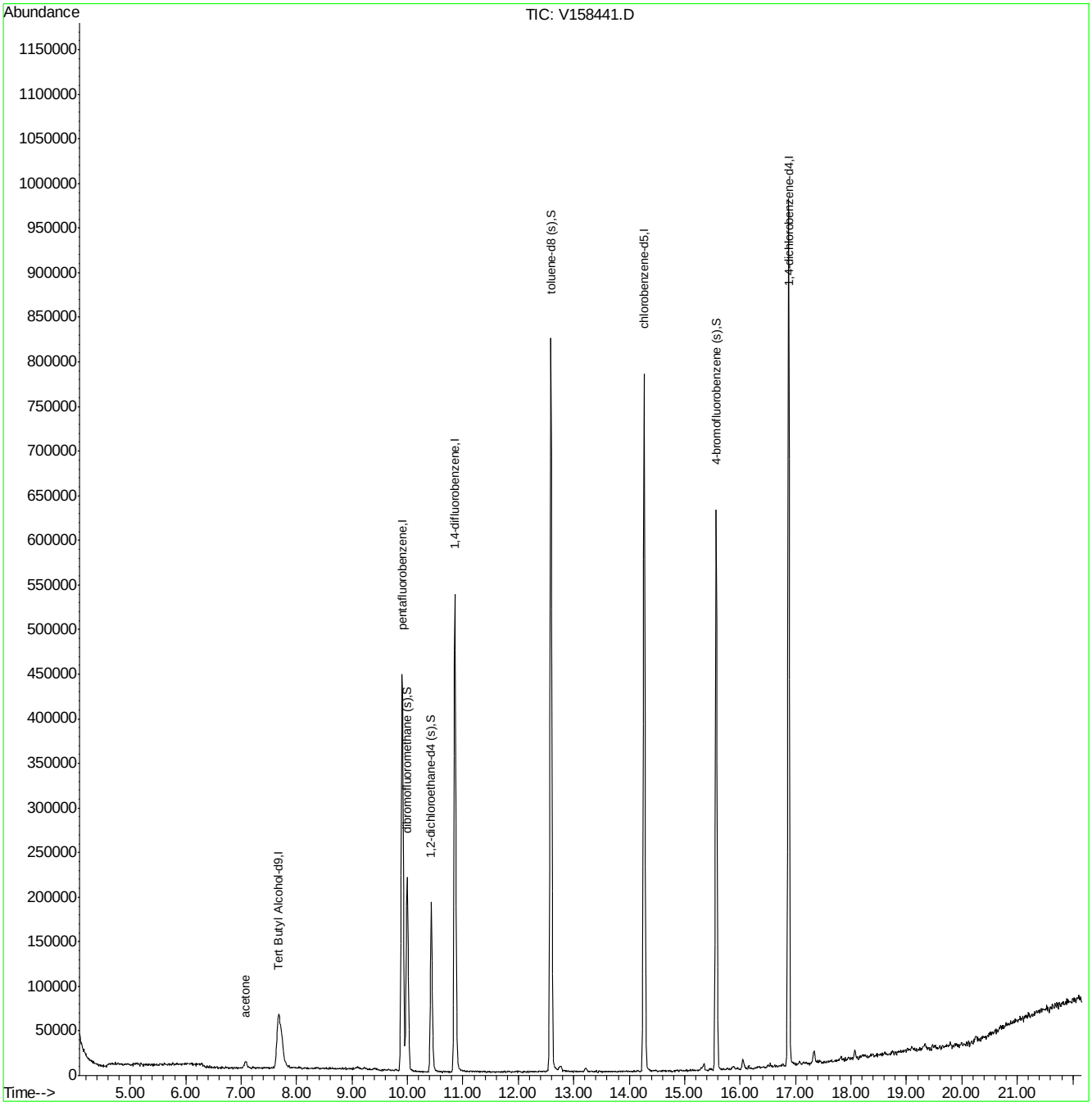
Target Compounds						Qvalue
20) acetone	7.08	58	6676	21.77	ug/L	80

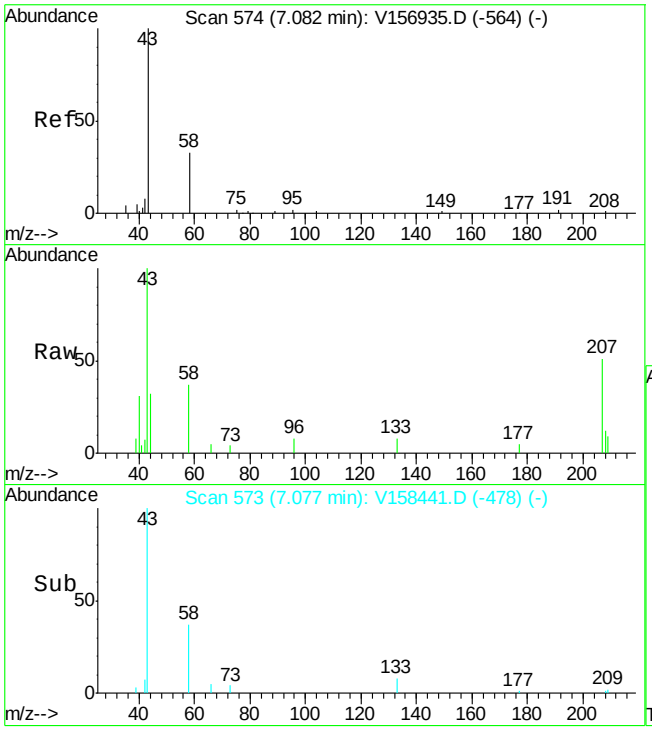
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158441.D
Acq On : 18 Dec 2015 1:58 pm
Operator : payalr
Sample : jc10703-3Adup
Misc : MS96095,VV6686,6.1,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 21 15:48:28 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

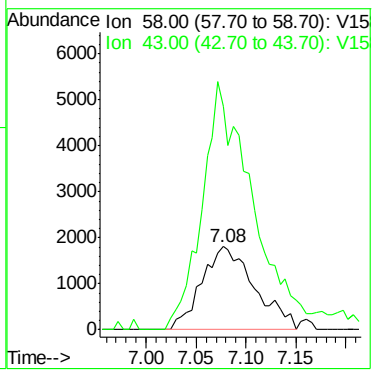




#20
acetone
Concen: 21.77 ug/L
RT: 7.08 min Scan# 573
Delta R.T. -0.00 min
Lab File: V158441.D
Acq: 18 Dec 2015 1:58 pm

Tgt Ion: 58 Resp: 6676

Ion	Ratio	Lower	Upper
58	100		
43	267.9	215.7	400.5



7.5.1

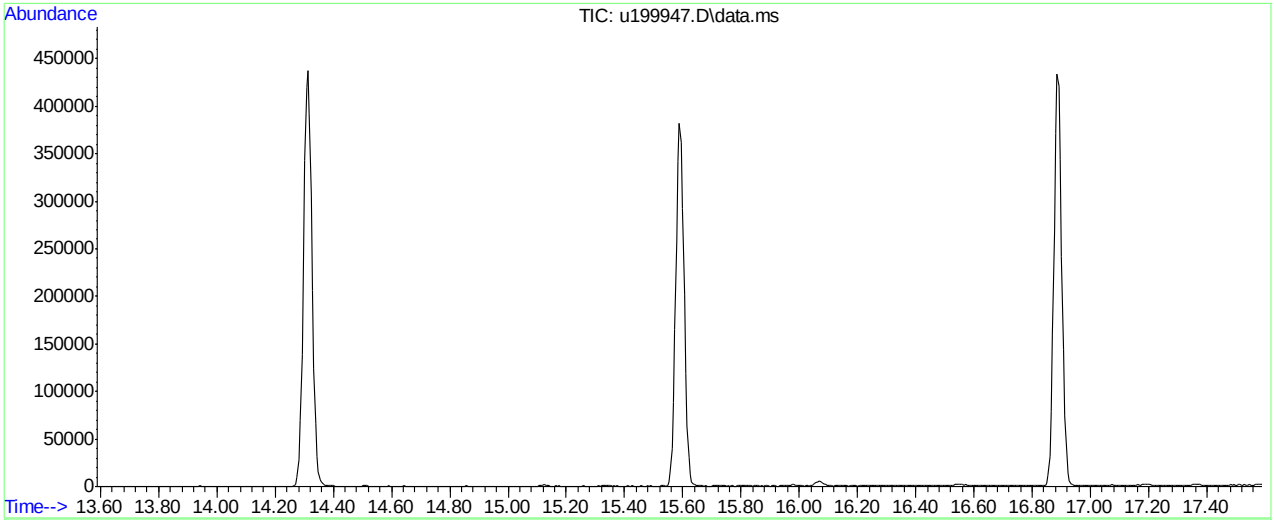
7

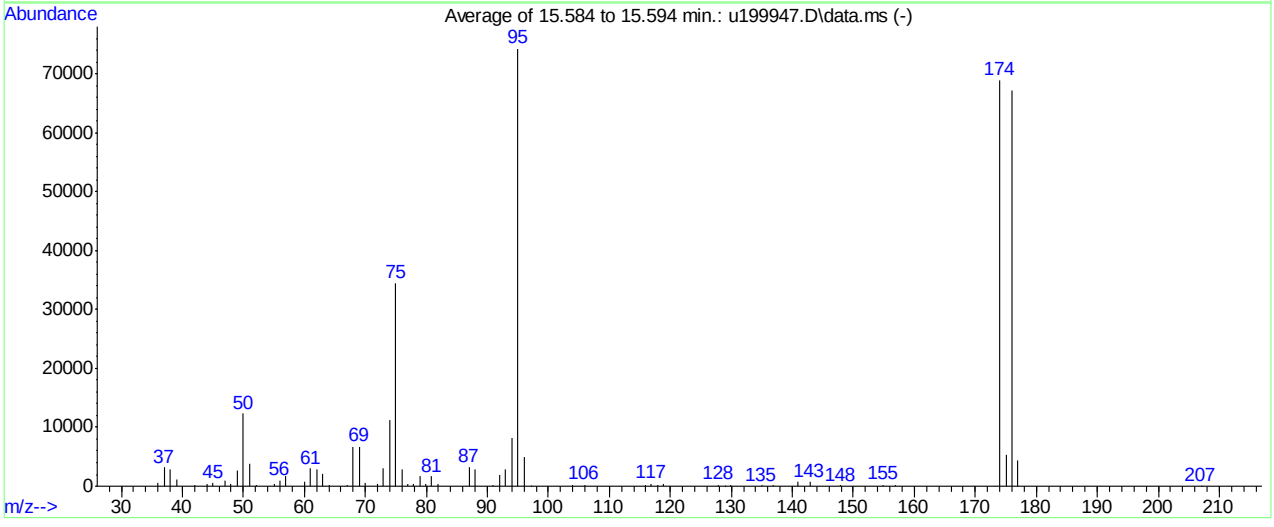
BFB

Data File : C:\msdchem\1\DATA\u199947.D
Acq On : 22 Oct 2015 3:38 pm
Sample : BFB
Misc : ms93099,vu9209,5.0,,,,1
MS Integration Params: RTEINT.P

Vial: 1
Operator: NicoleH1
Inst : MSU
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\MU9209.M (RTE Integrator)
Title : SW-846 8260B, ZB624 60m x 250um x 1.40um





AutoFind: Scans 2198, 2199, 2200; Background Corrected with Scan 2188

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	12302	PASS
75	95	30	60	46.5	34528	PASS
95	95	100	100	100.0	74288	PASS
96	95	5	9	6.6	4872	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	92.8	68954	PASS
175	174	5	9	7.6	5245	PASS
176	174	95	101	97.4	67162	PASS
177	176	5	9	6.5	4378	PASS

u199947.D MU9209.M Fri Oct 23 08:19:20 2015 U_CORE

Average of 15.584 to 15.594 min.: u199947.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	638	51.05	3804	68.00	6605	79.95	462
37.05	3205	52.05	211	69.00	6754	80.90	1687
38.00	2823	55.05	375	70.05	547	81.95	345
39.05	1186	56.00	968	72.05	418	87.00	3331
42.05	107	57.00	1701	73.00	2977	88.00	2946
44.00	331	60.00	688	74.00	11252	90.90	284
45.00	561	61.00	3024	75.00	34528	92.00	1894
47.05	974	62.00	2947	76.00	2953	93.00	2872
48.00	454	63.05	2158	77.00	471	94.00	8116
49.00	2705	64.05	177	77.95	362	95.00	74288
50.00	12302	67.05	148	78.90	1639	96.00	4872

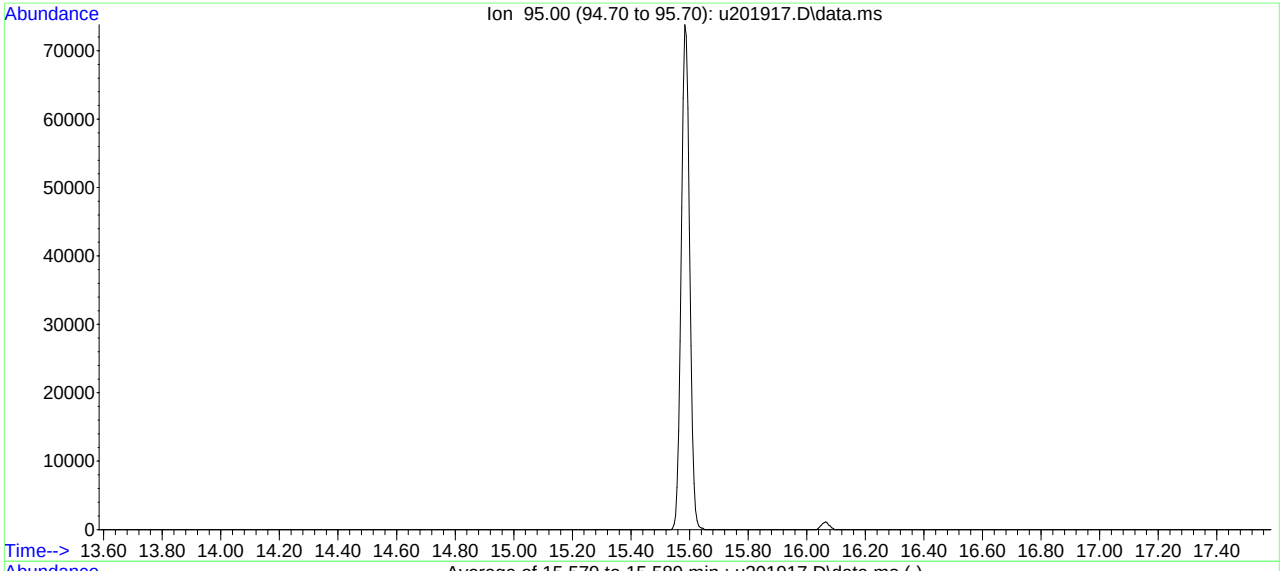
Average of 15.584 to 15.594 min.: u199947.D\data.ms
BFB
Modified:subtracted

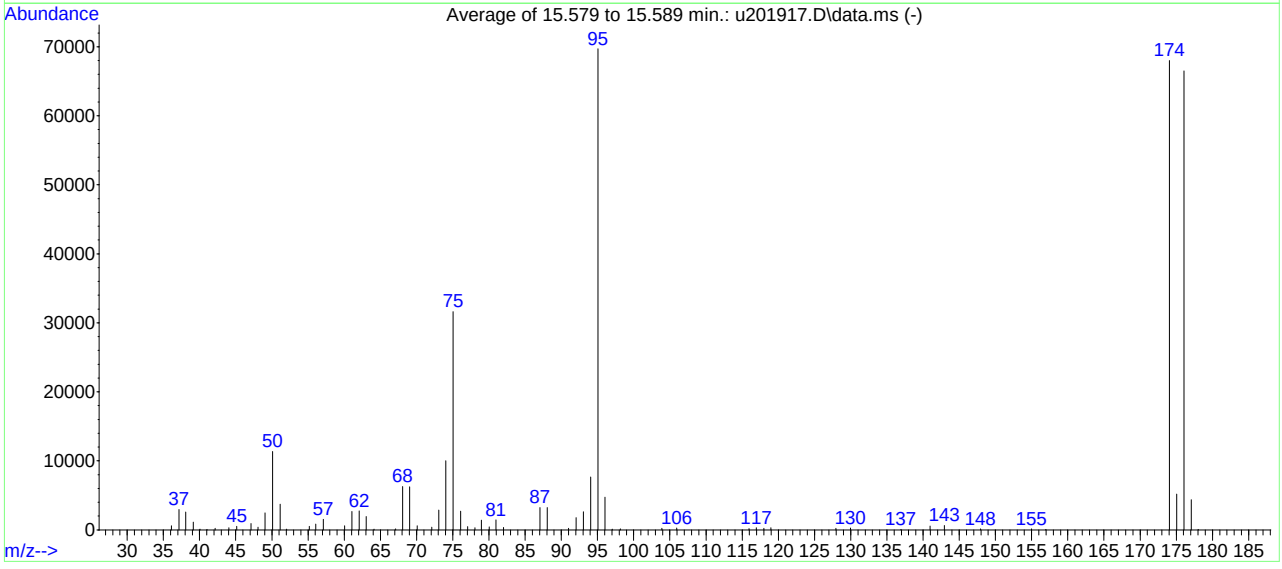
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	51	136.90	110				
103.90	257	140.95	738				
105.95	278	142.90	748				
115.90	256	147.90	116				
116.85	399	154.90	217				
117.95	246	156.95	141				
118.90	323	174.00	68954				
127.95	259	175.00	5245				
129.00	58	176.00	67162				
129.90	250	176.95	4378				
134.95	113	207.00	18				

BFB

Data File : C:\msdchem\1\DATA\U\vu9292-9293\u201917.D Vial: 23
Acq On : 22 Dec 2015 7:48 pm Operator: NicoleH1
Sample : BFB Inst : MSU
Misc : ms96371,vu9293,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MU9209.M (RTE Integrator)
Title : SW-846 8260B, ZB624 60m x 250um x 1.40um





AutoFind: Scans 2198, 2199, 2200; Background Corrected with Scan 2188

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	11369	PASS
75	95	30	60	45.4	31621	PASS
95	95	100	100	100.0	69699	PASS
96	95	5	9	6.8	4747	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.6	68019	PASS
175	174	5	9	7.6	5194	PASS
176	174	95	101	97.8	66523	PASS
177	176	5	9	6.5	4353	PASS

u201917.D MU9209.M Wed Dec 23 10:03:49 2015 T

Average of 15.579 to 15.589 min.: u201917.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	577	49.05	2440	64.10	120	78.05	306
37.15	2947	50.10	11369	67.10	153	78.95	1386
38.10	2560	51.15	3713	68.05	6297	80.05	431
39.15	1109	52.05	111	69.05	6222	80.95	1439
40.05	88	55.15	500	70.10	594	82.00	328
41.05	54	56.05	854	72.10	373	87.05	3241
42.15	220	57.10	1516	73.05	2873	88.05	3220
44.05	323	60.05	583	74.05	9994	91.00	233
45.15	505	61.05	2645	75.05	31621	92.05	1766
47.10	935	62.05	2738	76.10	2710	93.05	2610
48.10	386	63.05	1920	77.05	478	94.05	7662

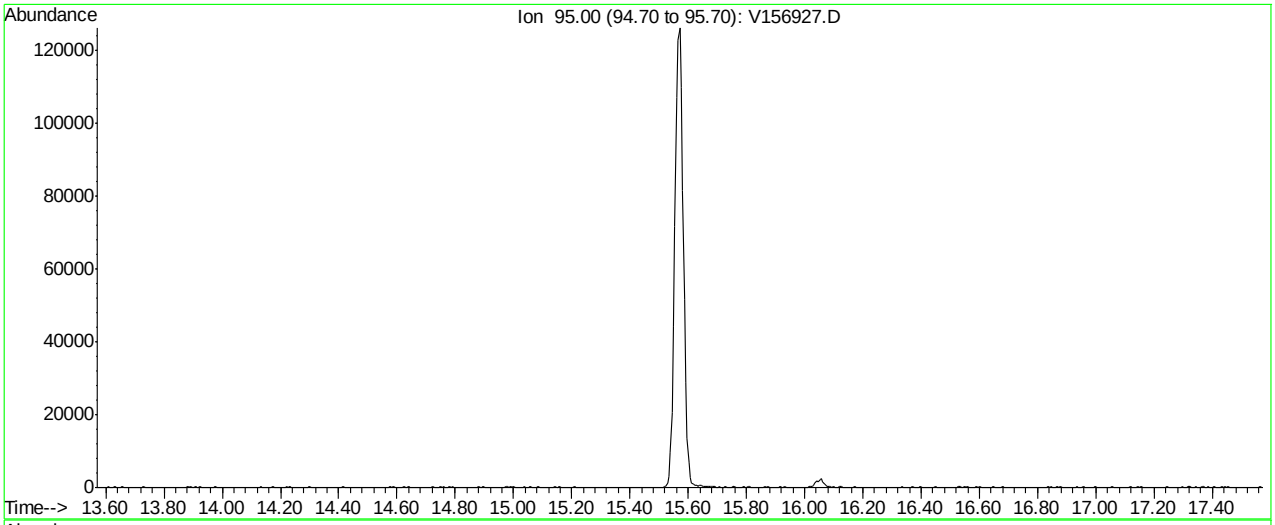
Average of 15.579 to 15.589 min.: u201917.D\data.ms
BFB
Modified:subtracted

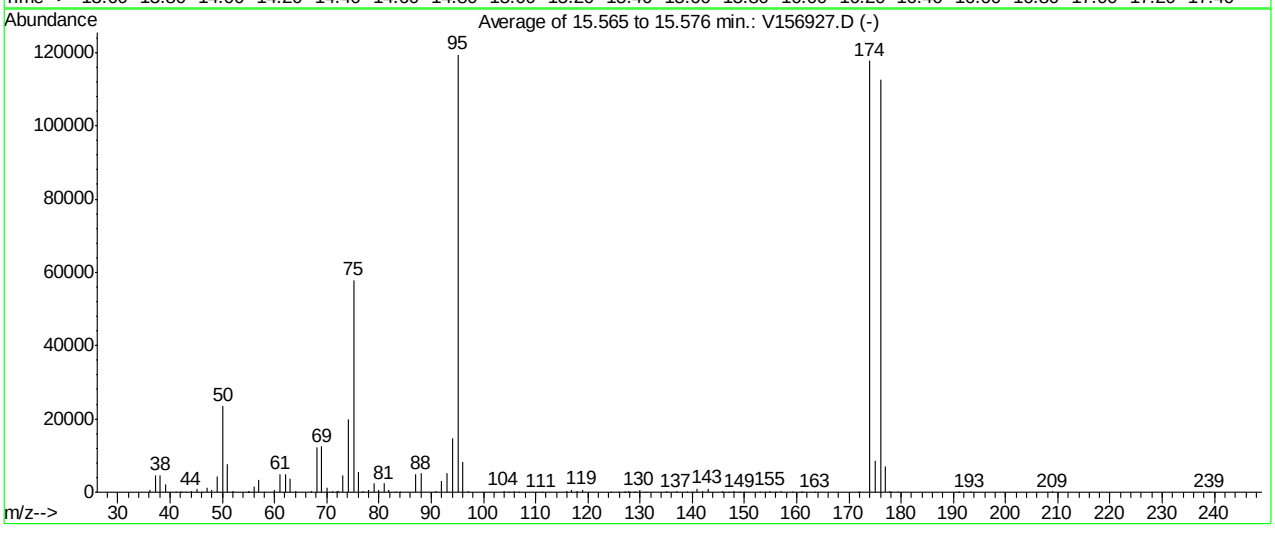
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.05	69699	129.95	272	178.05	71		
96.05	4747	136.95	52				
97.05	118	140.95	537				
98.15	125	142.95	647				
103.90	209	147.95	125				
105.95	273	155.00	139				
115.95	198	156.95	52				
116.95	326	174.05	68019				
118.00	213	175.05	5194				
118.95	310	176.05	66523				
127.95	228	177.05	4353				

SW-846 Method 8260

Data File : C:\MSDChem\1\DATA\V156927.D Vial: 1
Acq On : 28 Oct 2015 5:02 pm Operator: payalr
Sample : bfb Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2196, 2197, 2198; Background Corrected with Scan 2182

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	23424	PASS
75	95	30	60	48.5	57877	PASS
95	95	100	100	100.0	119450	PASS
96	95	5	9	7.0	8408	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	98.5	117664	PASS
175	174	5	9	7.4	8716	PASS
176	174	95	101	95.7	112608	PASS
177	176	5	9	6.4	7182	PASS

V156927.D MVS6633.M Thu Oct 29 11:21:51 2015 MSV

Average of 15.565 to 15.576 min.: V156927.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	684	47.05	1292	60.05	767	72.20	188
37.10	4465	47.95	519	61.05	4925	73.05	4617
38.10	4639	49.05	4283	62.05	4904	74.05	19976
39.05	2022	50.10	23424	63.05	3727	75.10	57877
41.00	152	51.05	7528	64.05	352	76.05	5452
41.90	62	52.05	334	67.05	457	77.00	407
42.20	65	55.00	231	68.05	12146	78.05	494
43.00	100	55.10	131	69.05	12482	79.00	2399
44.05	413	56.05	1564	70.05	1088	79.95	642
45.05	952	57.05	3377	71.10	182	80.95	2443
46.10	59	58.05	160	72.00	312	81.95	629

Average of 15.565 to 15.576 min.: V156927.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.05	149	103.95	427	126.95	130	140.00	81
84.10	59	104.90	88	127.20	77	141.00	878
87.05	5009	106.00	395	127.90	318	141.95	174
88.00	5163	106.80	118	128.10	132	143.00	951
90.95	412	111.20	52	128.80	59	145.85	171
92.05	2972	115.95	327	129.05	151	146.95	13
93.05	5061	116.90	639	129.95	531	147.95	444
94.05	14545	117.90	403	131.00	70	149.10	141
95.10	119450	118.95	640	135.00	286	150.00	108
96.05	8408	124.30	54	137.00	280	152.95	131
97.10	316	125.80	52	139.00	51	154.00	52

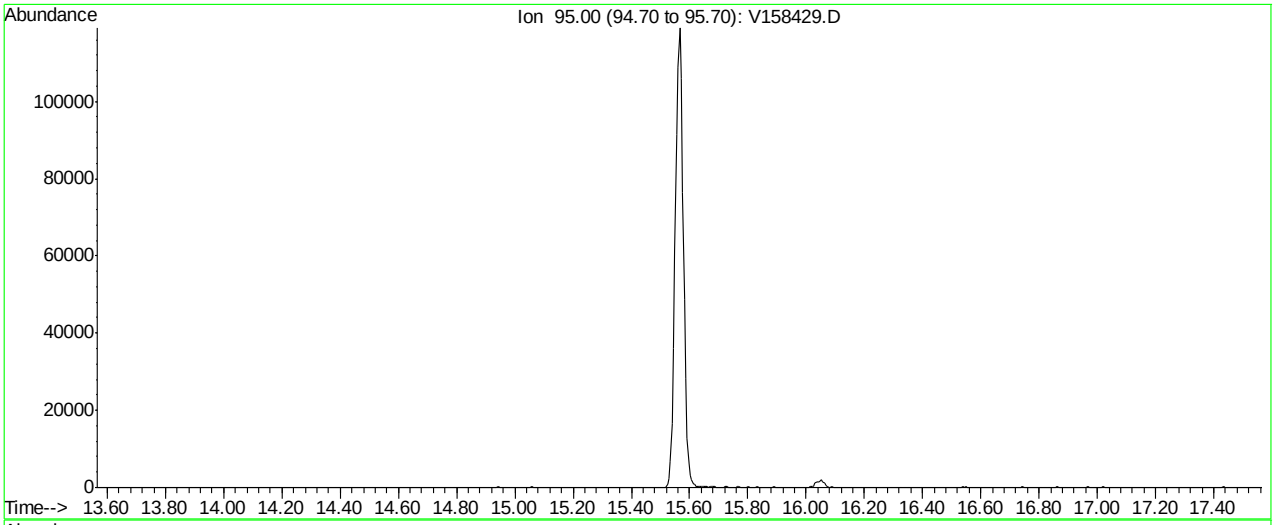
Average of 15.565 to 15.576 min.: V156927.D
bfb
Modified:subtracted

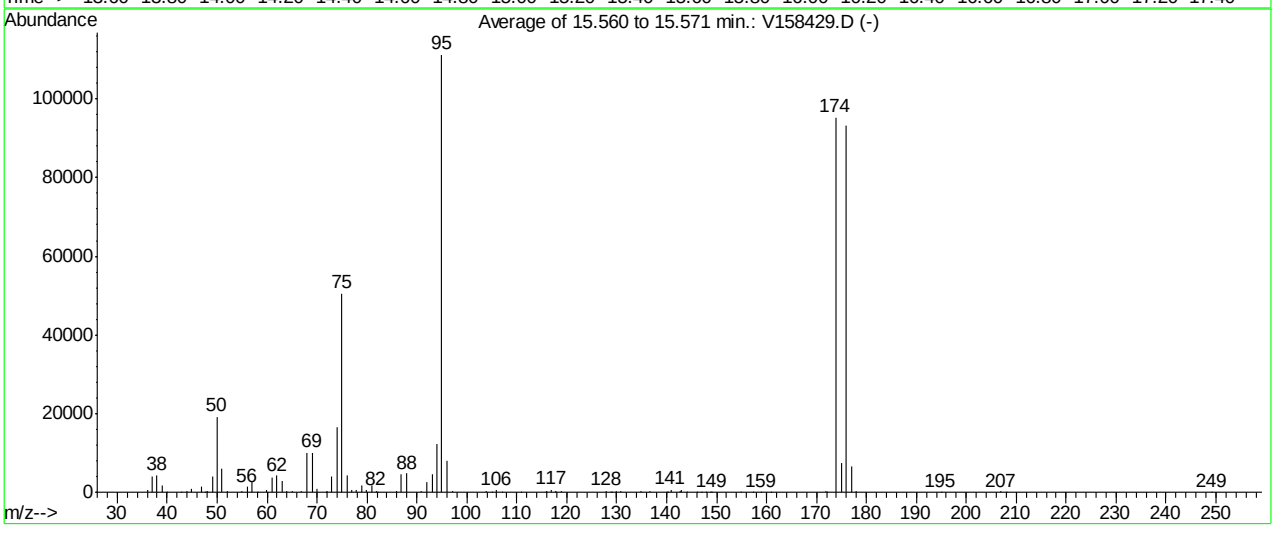
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
154.95	353	176.00	112608				
156.00	89	177.00	7182				
157.00	280	177.90	186				
159.10	55	178.05	160				
160.80	57	179.40	50				
161.00	62	190.90	63				
163.50	73	191.10	71				
171.90	77	193.20	78				
172.10	102	209.05	178				
174.00	117664	239.10	68				
175.00	8716						

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\V158429.D Vial: 1
Acq On : 18 Dec 2015 7:00 am Operator: payalr
Sample : BFB Inst : MSV
Misc : MS96180,VV6686,5.0,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2195, 2196, 2197; Background Corrected with Scan 2185

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	19208	PASS
75	95	30	60	45.3	50469	PASS
95	95	100	100	100.0	111306	PASS
96	95	5	9	7.1	7912	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	85.6	95269	PASS
175	174	5	9	7.8	7471	PASS
176	174	95	101	97.8	93178	PASS
177	176	5	9	6.9	6459	PASS

V158429.D MVS6633.M Mon Dec 21 15:29:47 2015 MSV

Average of 15.560 to 15.571 min.: V158429.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	631	48.05	303	62.00	4182	74.00	16636
37.00	3905	49.00	3927	63.00	2959	75.00	50469
38.00	4283	50.00	19208	63.95	246	76.00	4234
38.95	1662	51.00	5898	64.95	234	76.90	515
39.90	66	51.95	282	66.95	193	77.80	602
42.80	55	54.90	267	68.00	10040	78.90	1595
43.95	268	56.00	1420	69.00	10043	79.90	690
44.95	877	57.05	2496	70.00	867	80.90	1677
46.95	1495	58.05	132	71.80	116	81.80	342
47.60	143	59.95	609	72.00	288	82.00	139
47.90	121	61.00	3663	72.95	4093	85.85	164

Average of 15.560 to 15.571 min.: V158429.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.90	4618	105.95	447	129.10	71	146.10	55
87.95	4775	106.95	116	129.85	321	147.00	77
90.95	246	110.90	75	130.85	165	147.95	133
92.00	2667	115.80	148	134.90	248	148.80	50
93.00	4428	115.95	257	136.75	188	149.00	134
94.00	12408	116.95	605	139.90	51	154.90	68
95.00	111306	117.70	109	140.30	61	157.20	63
96.00	7912	117.85	205	140.90	673	158.90	77
97.10	173	118.85	399	142.80	297	160.80	57
103.95	333	127.90	334	142.95	449	171.95	201
104.95	139	128.80	50	144.00	53	172.20	100

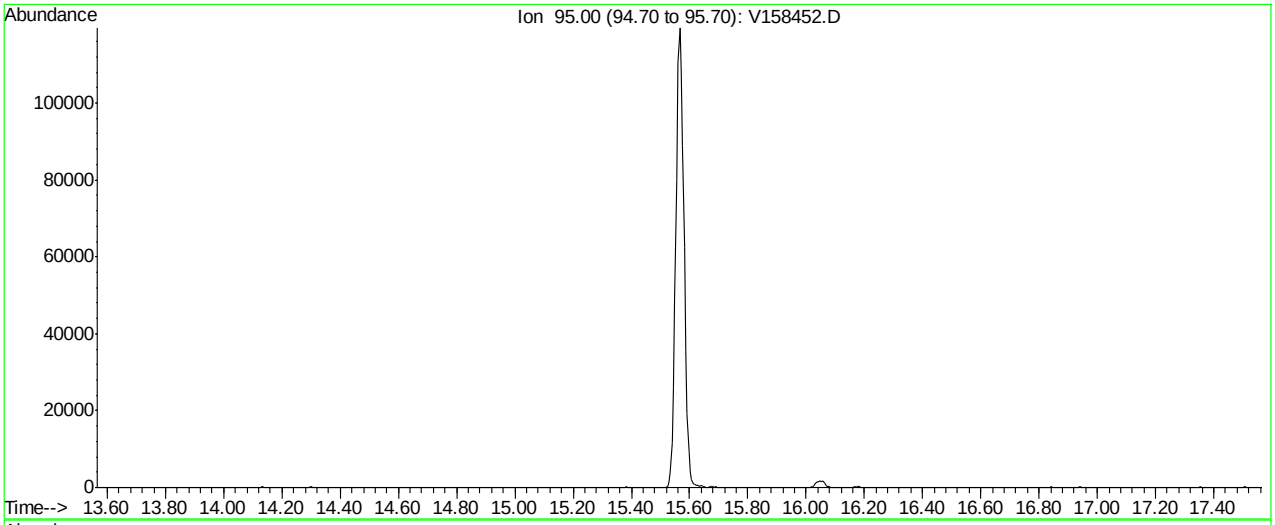
Average of 15.560 to 15.571 min.: V158429.D
BFB
Modified:subtracted

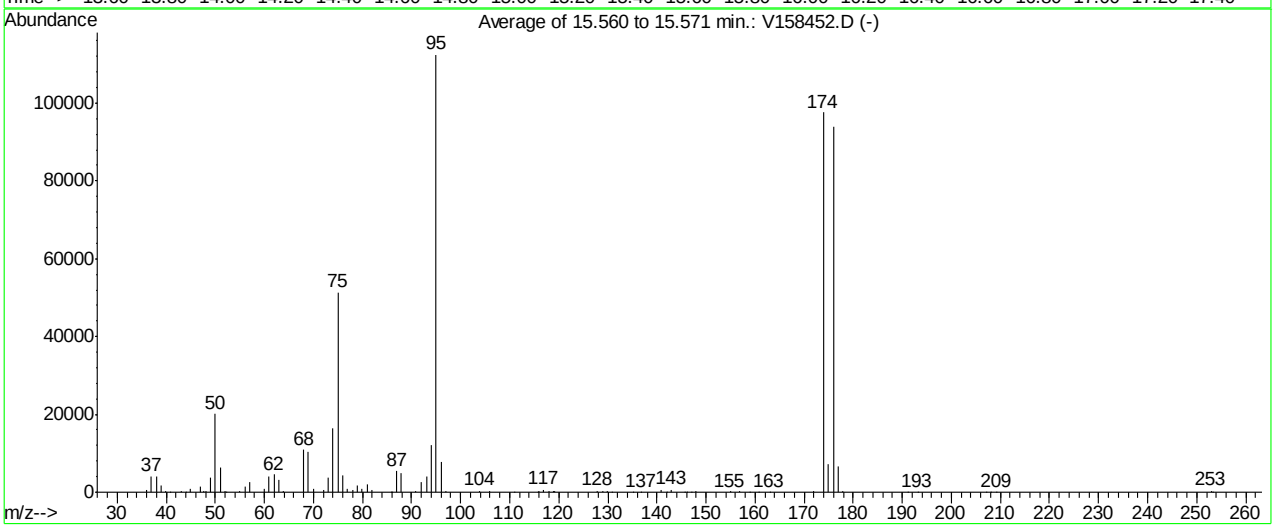
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.90	95269						
174.95	7471						
175.95	93178						
176.95	6459						
177.95	197						
194.90	51						
207.00	280						
208.00	46						
249.20	50						

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\V158452.D Vial: 24
Acq On : 18 Dec 2015 7:12 pm Operator: payalr
Sample : bfb2 Inst : MSV
Misc : MS96266,VV6686,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2195, 2196, 2197; Background Corrected with Scan 2185

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	20082	PASS
75	95	30	60	45.6	51312	PASS
95	95	100	100	100.0	112472	PASS
96	95	5	9	6.9	7712	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	86.8	97640	PASS
175	174	5	9	7.5	7283	PASS
176	174	95	101	96.1	93784	PASS
177	176	5	9	7.1	6677	PASS

V158452.D MVS6633.M Mon Dec 21 16:03:55 2015 MSV

Average of 15.560 to 15.571 min.: V158452.D
bfb2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	567	48.10	373	62.00	4517	76.95	817
37.00	4181	49.05	3794	63.00	3114	77.95	540
37.95	4120	50.00	20082	63.95	355	78.90	1658
39.00	1859	51.00	6415	68.00	10821	79.85	738
39.95	324	51.90	172	69.00	10290	80.90	1967
40.85	153	52.10	140	69.95	783	81.95	565
43.00	156	54.95	268	72.00	564	85.70	53
44.00	106	56.00	1415	72.95	3833	86.00	62
45.00	912	57.00	2732	74.00	16342	86.95	5449
47.00	1389	59.95	774	75.00	51312	87.95	4775
47.70	164	60.95	3960	76.00	4463	90.90	423

Average of 15.560 to 15.571 min.: V158452.D
bfb2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2657	116.95	657	141.95	120	172.00	414
93.00	4139	117.95	275	142.95	695	173.90	97640
94.00	12135	118.85	367	145.70	91	174.95	7283
95.00	112472	119.10	163	146.10	70	175.95	93784
96.00	7712	127.85	380	147.00	80	176.95	6677
97.05	186	128.90	220	147.95	277	177.95	301
103.95	398	129.95	307	154.90	193	191.20	67
105.90	298	130.85	115	156.85	166	193.10	75
111.00	51	135.10	51	158.80	56	207.00	95
115.80	85	136.80	57	160.80	71	208.05	100
115.95	177	140.95	551	162.90	53	209.20	119

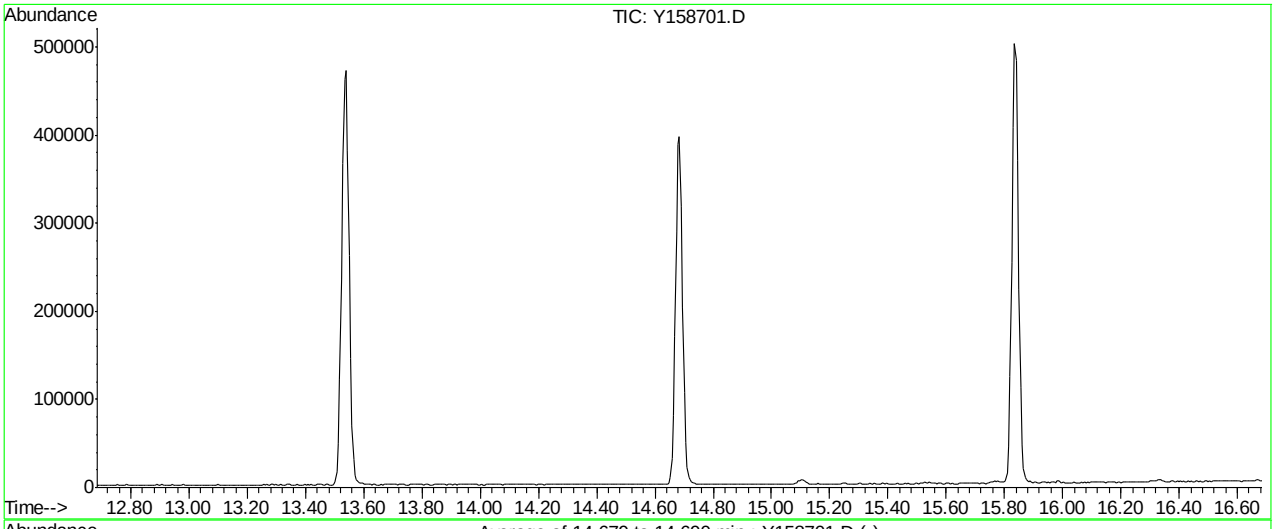
Average of 15.560 to 15.571 min.: V158452.D
bfb2
Modified:subtracted

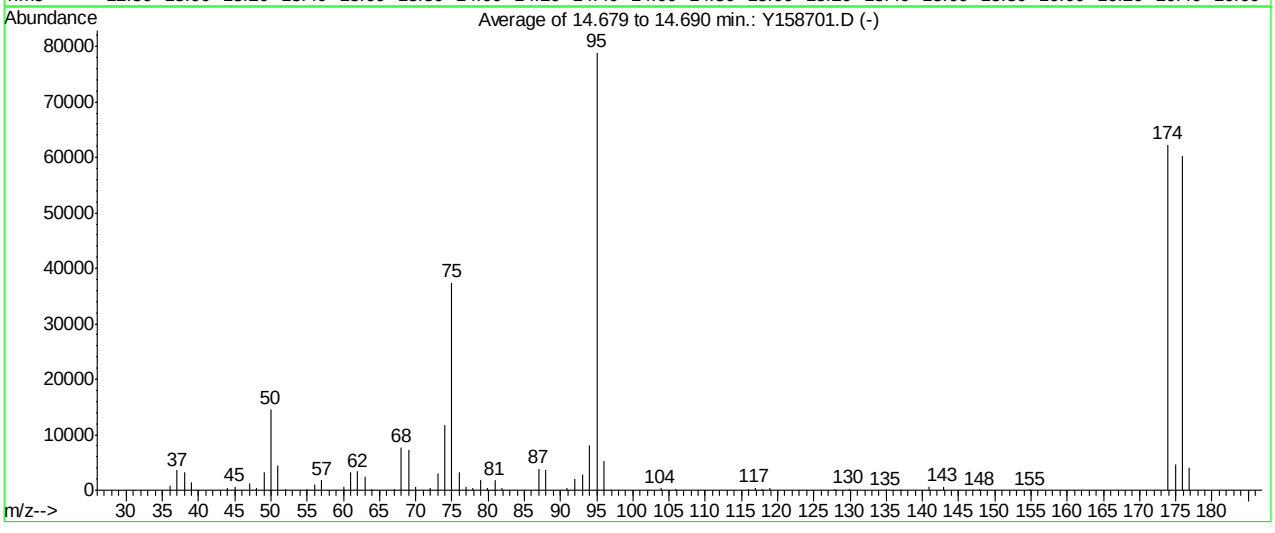
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
253.00	292						
253.30	112						

SW-846 Method 8260

Data File : C:\MSDChem\1\DATA\Y158701.D Vial: 1
Acq On : 8 Nov 2015 11:33 am Operator: prashans
Sample : BFB Inst : MSY
Misc : MS94020,VY6930,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6930.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2103, 2104, 2105; Background Corrected with Scan 2094

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	14598	PASS
75	95	30	60	47.5	37477	PASS
95	95	100	100	100.0	78914	PASS
96	95	5	9	6.7	5306	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	78.9	62298	PASS
175	174	5	9	7.5	4675	PASS
176	174	95	101	96.7	60264	PASS
177	176	5	9	6.8	4124	PASS

Y158701.D MYS6930.M Mon Nov 09 10:16:20 2015 RPT1

Average of 14.679 to 14.690 min.: Y158701.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	721	51.00	4477	68.00	7786	79.90	490
37.00	3552	52.00	241	69.00	7266	80.90	1894
38.00	3302	54.95	296	70.00	610	81.95	373
39.00	1422	56.00	1035	72.00	402	86.95	3883
40.00	107	57.00	1922	73.00	3048	87.95	3634
44.00	455	60.00	656	74.00	11683	90.95	341
45.00	697	61.00	3330	75.00	37477	92.00	1939
47.05	1195	62.00	3399	76.00	3232	93.00	2842
48.00	437	63.00	2458	76.95	564	94.00	8127
49.00	3184	64.00	164	77.95	361	95.00	78914
50.00	14598	67.00	151	78.90	1793	96.00	5306

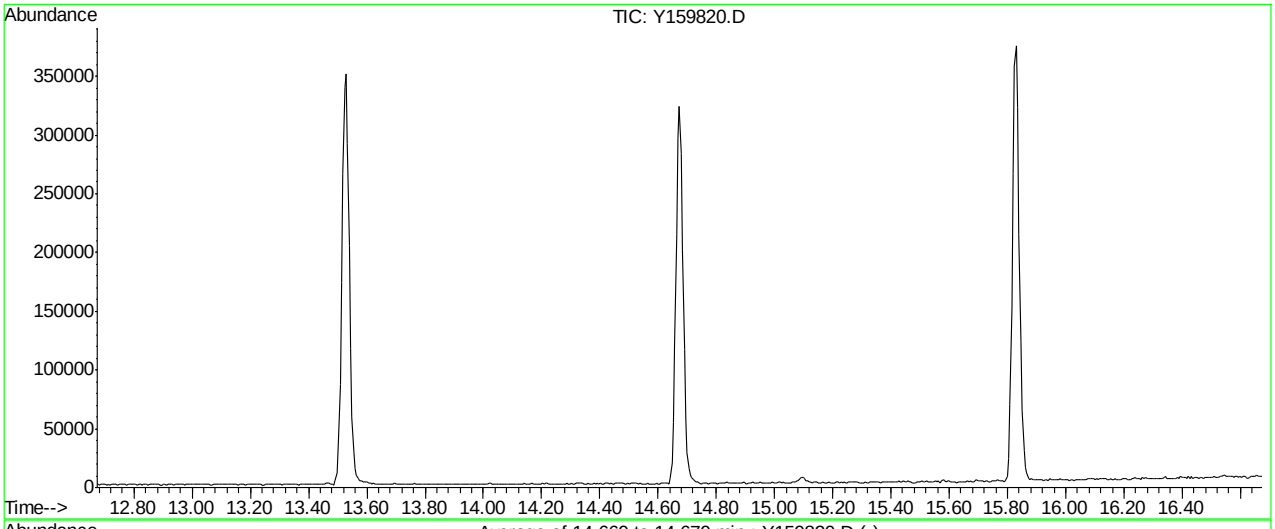
Average of 14.679 to 14.690 min.: Y158701.D
BFB
Modified:subtracted

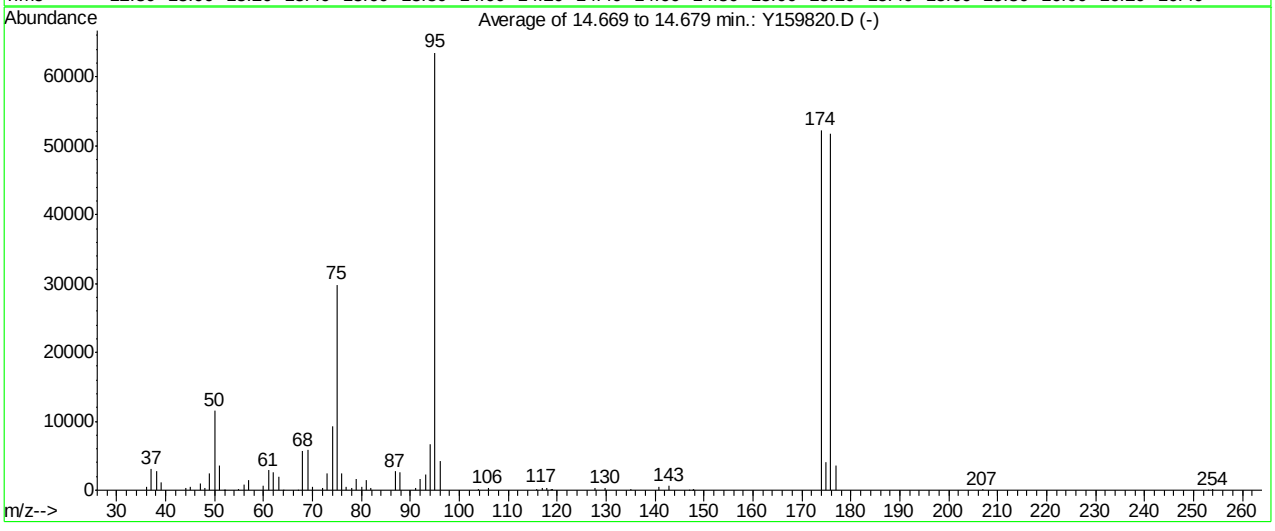
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.90	85	140.90	665				
103.85	321	142.90	693				
105.85	302	147.00	60				
115.90	235	147.90	133				
116.90	415	154.85	124				
117.85	259	173.90	62298				
118.85	376	174.90	4675				
127.85	248	175.90	60264				
129.85	273	176.90	4124				
134.95	144						
136.80	66						

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\Y159820.D Vial: 1
Acq On : 20 Dec 2015 10:26 am Operator: prashans
Sample : BFB Inst : MSY
Misc : MS96173,VY6974,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6930.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2101, 2102, 2103; Background Corrected with Scan 2093

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	11484	PASS
75	95	30	60	46.9	29816	PASS
95	95	100	100	100.0	63546	PASS
96	95	5	9	6.7	4245	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	82.3	52314	PASS
175	174	5	9	7.7	4052	PASS
176	174	95	101	99.0	51800	PASS
177	176	5	9	6.9	3555	PASS

Y159820.D MYS6930.M Mon Dec 21 15:37:41 2015 RPT1

Average of 14.669 to 14.679 min.: Y159820.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	571	51.90	64	68.00	5666	79.95	481
37.05	3031	52.20	59	69.00	5788	80.90	1451
38.05	2697	54.95	205	70.05	446	81.85	319
39.05	1078	55.95	802	72.00	274	86.90	2745
44.00	359	57.00	1508	73.00	2402	87.90	2559
45.05	507	59.95	635	74.00	9274	90.95	295
47.00	931	61.00	2881	75.00	29816	92.00	1620
47.95	396	62.00	2649	76.00	2461	93.00	2257
49.00	2460	63.00	1994	76.90	432	94.00	6689
50.00	11484	64.10	63	78.00	370	95.00	63546
51.00	3512	67.00	76	78.90	1557	96.00	4245

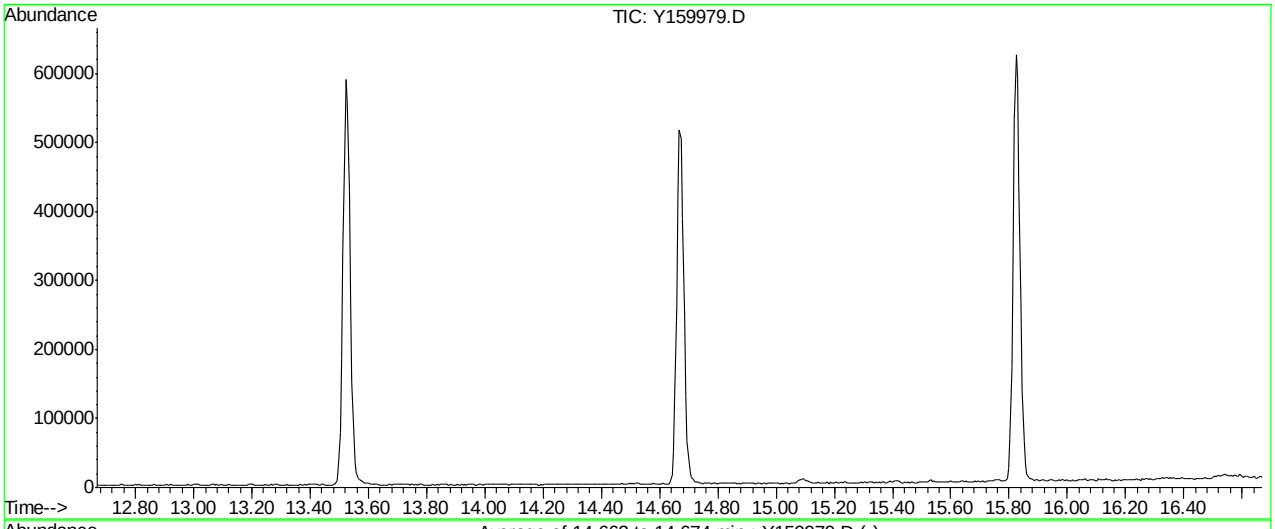
Average of 14.669 to 14.679 min.: Y159820.D
BFB
Modified:subtracted

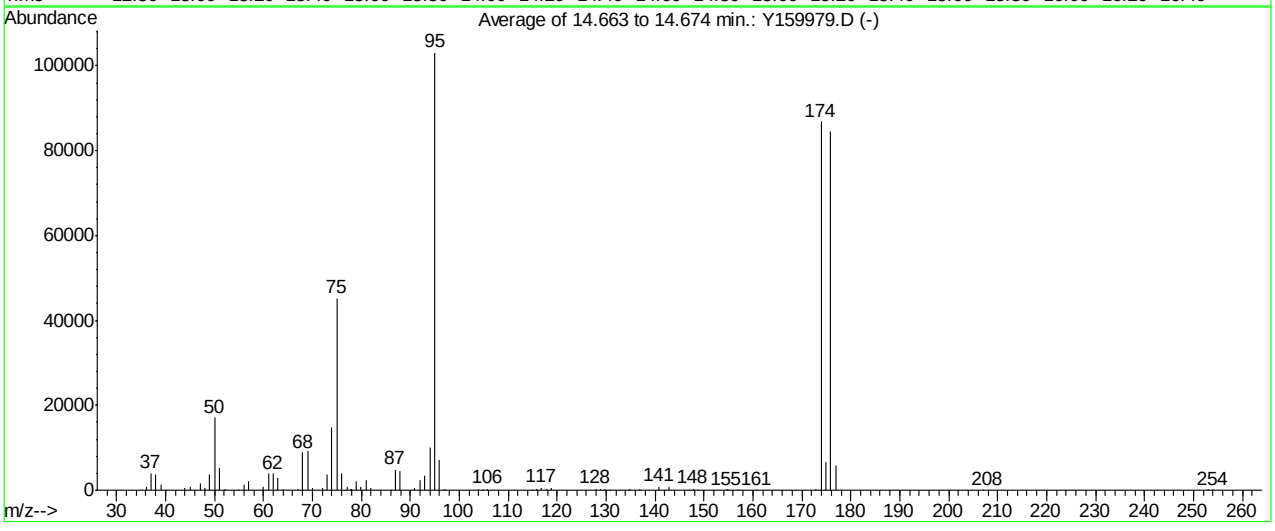
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.90	216	142.90	582				
105.90	258	146.95	14				
115.85	221	147.70	60				
116.85	405	147.90	93				
117.85	276	173.90	52314				
118.80	240	174.90	4052				
119.00	122	175.90	51800				
127.80	267	176.90	3555				
129.85	275	206.95	139				
134.95	209	252.95	16				
140.85	569	254.00	118				

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\Y159979.D Vial: 1
Acq On : 23 Dec 2015 9:51 pm Operator: prashans
Sample : BFB Inst : MSY
Misc : MS96461,VY6981,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MYS6930.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2100, 2101, 2102; Background Corrected with Scan 2092

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	17112	PASS
75	95	30	60	43.9	45301	PASS
95	95	100	100	100.0	103136	PASS
96	95	5	9	6.9	7125	PASS
173	174	0.00	2	0.2	212	PASS
174	95	50	120	84.3	86896	PASS
175	174	5	9	7.5	6499	PASS
176	174	95	101	97.4	84637	PASS
177	176	5	9	6.7	5690	PASS

Y159979.D MYS6930.M Thu Dec 24 10:43:20 2015 RPT1

Average of 14.663 to 14.674 min.: Y159979.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	768	51.00	5291	68.00	8870	78.90	2215
37.00	4089	52.05	286	69.00	9127	79.90	773
38.00	3808	55.00	143	70.00	602	80.90	2302
39.05	1447	56.00	1242	72.00	429	81.90	459
40.00	84	57.00	2123	73.00	3823	86.10	125
44.00	515	60.05	794	74.00	14901	86.95	4788
45.00	724	61.00	3869	75.00	45301	87.90	4513
47.05	1596	62.00	3881	76.00	3922	90.90	555
47.95	585	63.00	2856	77.00	696	91.95	2367
49.00	3635	63.95	288	77.80	160	93.00	3515
50.00	17112	67.00	318	78.05	402	94.00	10027

Average of 14.663 to 14.674 min.: Y159979.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	103136	127.85	382	148.90	66	177.90	74
96.00	7125	128.95	229	154.75	188	206.95	102
96.95	227	129.90	294	155.00	69	208.00	143
103.90	326	130.80	93	156.70	67	253.00	195
104.90	142	134.90	250	156.95	142	254.00	237
105.85	353	136.85	250	160.80	97		
115.00	60	140.85	911	172.90	212		
115.85	349	142.00	139	173.90	86896		
116.80	637	142.85	834	174.90	6499		
117.90	295	146.95	103	175.90	84637		
118.90	539	147.85	276	176.90	5690		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199948.D
Acq On : 22 Oct 2015 4:11 pm
Operator : NicoleH1
Sample : IC9209-0.2
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 08:24:30 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.859	65	104215	500.00	ug/L	0.00
5) pentafluorobenzene	10.066	168	263098	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.986	114	311988	50.00	ug/L	0.00
96) chlorobenzene-d5	14.313	117	289223	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.891	152	138244	50.00	ug/L	0.00

System Monitoring Compounds						
56) dibromofluoromethane (s)	10.144	113	97534	52.13	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 104.26%			
57) 1,2-dichloroethane-d4 (s)	10.563	65	107283	56.98	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 113.96%			
88) toluene-d8 (s)	12.670	98	388238	50.55	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 101.10%			
114) 4-bromofluorobenzene (s)	15.589	95	145582	52.61	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.22%			

Target Compounds						Qvalue
33) carbon disulfide	7.613	76	1443	0.21	ug/L	81
37) methyl tert butyl ether	8.235	73	1190	0.20	ug/L #	53
38) trans-1,2-dichloroethene	8.277	96	280	0.14	ug/L #	53
39) di-isopropyl ether	8.784	45	1409	0.22	ug/L	75
40) ethyl tert-butyl ether	9.255	59	1472	0.23	ug/L	94
42) 1,1-dichloroethane	8.852	63	502	0.14	ug/L #	49
43) chloroprene	8.946	53	530	0.21	ug/L	66
44) acrylonitrile	8.256	53	484	0.67	ug/L #	17
48) cis-1,2-dichloroethene	9.579	96	311	0.14	ug/L #	72
53) chloroform	9.935	83	530	0.15	ug/L	78
60) 1,1,1-trichloroethane	10.186	97	470	0.15	ug/L #	55
63) iso-octane	10.599	57	1717	0.26	ug/L	66
67) n-butyl alcohol	11.127	56	537	11.87	ug/L	87
69) carbon tetrachloride	10.385	117	445	0.16	ug/L #	57
70) 1,1-dichloropropene	10.369	75	367	0.13	ug/L #	40
71) hexane	8.549	57	448	0.19	ug/L #	63
72) benzene	10.625	78	1683	0.19	ug/L	91
75) 1,2-dichloroethane	10.651	62	366	0.15	ug/L #	49
78) trichloroethene	11.342	95	352	0.16	ug/L #	79
79) methylcyclohexane	11.535	83	669	0.20	ug/L	82
81) 2-chloroethyl vinyl ether	12.147	63	1295	1.00	ug/L	89
83) 1,2-dichloropropane	11.614	63	281	0.13	ug/L #	42
86) bromodichloromethane	11.912	83	367	0.13	ug/L	90
87) cis-1,3-dichloropropene	12.377	75	603	0.17	ug/L #	60
90) toluene	12.754	92	1031	0.18	ug/L	87
92) trans-1,3-dichloropropene	12.974	75	596	0.18	ug/L #	69
101) dibromochloromethane	13.690	129	338	0.14	ug/L	78
102) 1,2-dibromoethane	13.863	107	296	0.14	ug/L	76
103) 3,3-dimethyl-1-Butanol	13.554	57	315	1.79	ug/L #	21
104) n-butyl ether	14.213	57	1614	0.16	ug/L #	78
105) chlorobenzene	14.354	112	1145	0.17	ug/L	89
106) 1,1,1,2-tetrachloroethane	14.417	131	384	0.16	ug/L	97
107) ethylbenzene	14.391	91	2090	0.19	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199948.D
Acq On : 22 Oct 2015 4:11 pm
Operator : NicoleH1
Sample : IC9209-0.2
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 08:24:30 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

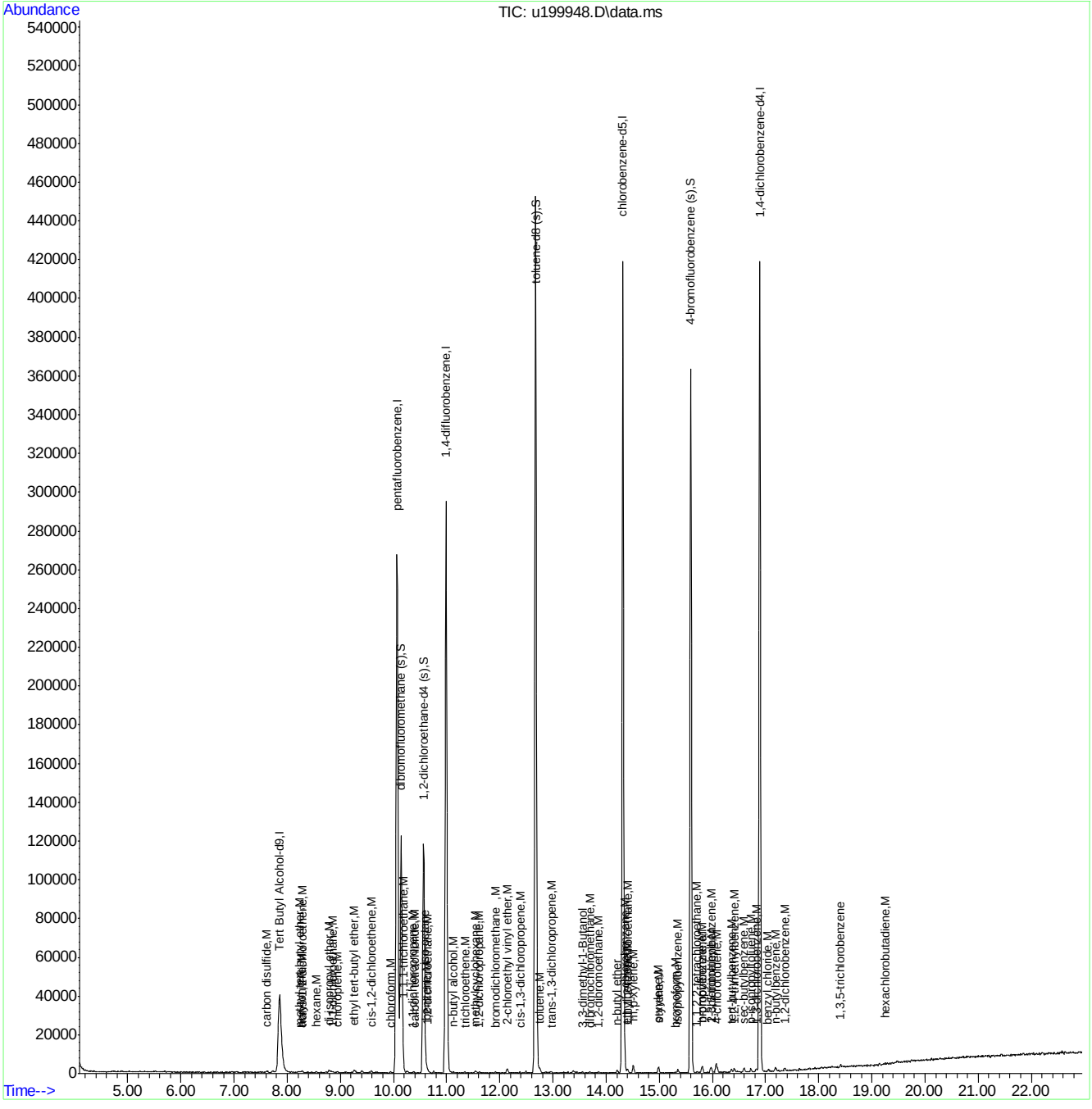
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
108) m,p-xylene	14.511	106	1730	0.40	ug/L		91
109) o-xylene	14.977	106	681	0.16	ug/L		89
110) styrene	14.992	104	1188	0.17	ug/L		89
111) bromoform	15.306	173	215	0.12	ug/L	#	36
113) isopropylbenzene	15.348	105	2034	0.18	ug/L		100
115) bromobenzene	15.819	156	568	0.19	ug/L	#	65
116) 1,1,2,2-tetrachloroethane	15.714	83	510	0.20	ug/L	#	25
119) n-propylbenzene	15.798	91	2501	0.20	ug/L		87
120) 2-chlorotoluene	15.976	126	470	0.18	ug/L	#	76
121) 4-chlorotoluene	16.096	91	1593	0.21	ug/L		93
123) 1,3,5-trimethylbenzene	15.971	105	1593	0.18	ug/L		93
124) tert-butylbenzene	16.363	119	1553	0.20	ug/L		97
126) 1,2,4-trimethylbenzene	16.410	105	1617	0.19	ug/L		97
128) sec-butylbenzene	16.598	105	2173	0.20	ug/L		86
129) 1,3-dichlorobenzene	16.834	146	1067	0.20	ug/L		91
130) p-isopropyltoluene	16.729	119	1756	0.19	ug/L		88
132) benzyl chloride	17.043	91	1522	0.33	ug/L		54
133) 1,2-dichlorobenzene	17.362	146	887	0.18	ug/L		81
135) n-butylbenzene	17.200	92	844	0.19	ug/L	#	59
138) 1,3,5-trichlorobenzene	18.408	180	684	0.17	ug/L	#	89
140) hexachlorobutadiene	19.250	225	334	0.19	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199948.D
Acq On : 22 Oct 2015 4:11 pm
Operator : NicoleH1
Sample : IC9209-0.2
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 08:24:30 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199949.D
Acq On : 22 Oct 2015 4:40 pm
Operator : NicoleH1
Sample : IC9209-0.5
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 23 08:28:05 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.859	65	109047	500.00	ug/L	0.00
5) pentafluorobenzene	10.067	168	272931	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.992	114	324809	50.00	ug/L	0.00
96) chlorobenzene-d5	14.313	117	300785	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.892	152	135870	50.00	ug/L	0.00

System Monitoring Compounds						
56) dibromofluoromethane (s)	10.145	113	101108	52.09	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 104.18%			
57) 1,2-dichloroethane-d4 (s)	10.569	65	111469	57.07	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 114.14%			
88) toluene-d8 (s)	12.676	98	399542	49.97	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 99.94%			
114) 4-bromofluorobenzene (s)	15.590	95	149590	55.01	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.02%			

Target Compounds						Qvalue
15) chloromethane	4.737	50	1536	0.49	ug/L #	49
16) vinyl chloride	5.030	62	1161	0.42	ug/L #	50
18) bromomethane	5.689	94	869	0.47	ug/L	85
20) trichlorofluoromethane	6.327	101	1671	0.54	ug/L	79
23) ethyl ether	6.751	74	480	0.41	ug/L	94
24) 2-CHLOROPROPANE	6.970	43	1502	0.41	ug/L #	54
27) acrolein	7.043	56	1729	4.07	ug/L	86
28) 1,1-dichloroethene	7.190	96	775	0.39	ug/L #	77
30) allyl chloride	7.718	76	433	0.38	ug/L #	39
32) iodomethane	7.488	142	1551	0.41	ug/L	89
33) carbon disulfide	7.608	76	2895	0.41	ug/L	73
35) methylene chloride	7.927	84	906	0.41	ug/L	82
36) methyl acetate	7.718	43	620	0.43	ug/L #	60
37) methyl tert butyl ether	8.210	73	3421	0.57	ug/L	80
38) trans-1,2-dichloroethene	8.293	96	972	0.45	ug/L	85
39) di-isopropyl ether	8.801	45	3456	0.51	ug/L	89
40) ethyl tert-butyl ether	9.256	59	3475	0.53	ug/L	93
42) 1,1-dichloroethane	8.853	63	1637	0.44	ug/L	88
43) chloroprene	8.947	53	1269	0.48	ug/L	74
44) acrylonitrile	8.267	53	1819	2.42	ug/L	96
47) 2,2-dichloropropane	9.570	77	1374	0.47	ug/L #	45
48) cis-1,2-dichloroethene	9.575	96	1029	0.43	ug/L	93
50) propionitrile	9.669	54	1417	5.11	ug/L	67
51) bromochloromethane	9.904	128	477	0.39	ug/L	84
53) chloroform	9.941	83	1782	0.49	ug/L	92
54) tert-butyl Formate	9.978	59	846	0.49	ug/L #	64
55) iso-butyl alcohol	10.375	43	347	4.19	ug/L #	57
59) methacrylonitrile	9.852	41	518	0.41	ug/L	85
60) 1,1,1-trichloroethane	10.192	97	1415	0.45	ug/L	88
62) tert-amyl methyl ether	10.637	87	659	0.45	ug/L #	52
63) iso-octane	10.595	57	3148	0.46	ug/L	90
66) epichlorohydrin	12.289	57	420	2.04	ug/L	53
67) n-butyl alcohol	11.123	56	1502	31.89	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199949.D
Acq On : 22 Oct 2015 4:40 pm
Operator : NicoleH1
Sample : IC9209-0.5
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 23 08:28:05 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
69) carbon tetrachloride	10.386	117	1191	0.41	ug/L		99
70) 1,1-dichloropropene	10.365	75	1183	0.41	ug/L	#	64
71) hexane	8.550	57	1037	0.41	ug/L		82
72) benzene	10.631	78	4118	0.46	ug/L		97
73) heptane	10.762	57	599	0.45	ug/L	#	72
74) isopropyl acetate	10.527	43	2201	0.56	ug/L		84
75) 1,2-dichloroethane	10.658	62	1394	0.53	ug/L		92
78) trichloroethene	11.337	95	864	0.38	ug/L		89
79) methylcyclohexane	11.552	83	1544	0.44	ug/L		91
80) 2-nitropropane	12.143	41	298	0.40	ug/L	#	1
81) 2-chloroethyl vinyl ether	12.143	63	3401	2.51	ug/L		91
83) 1,2-dichloropropane	11.625	63	1109	0.48	ug/L		97
85) dibromomethane	11.787	93	596	0.42	ug/L		89
86) bromodichloromethane	11.902	83	1340	0.45	ug/L		81
87) cis-1,3-dichloropropene	12.378	75	1849	0.49	ug/L		97
90) toluene	12.750	92	2643	0.45	ug/L		92
92) trans-1,3-dichloropropene	12.974	75	1603	0.46	ug/L		90
93) ethyl methacrylate	12.938	69	1271	0.43	ug/L		81
94) 1,1,2-trichloroethane	13.210	83	879	0.48	ug/L		96
98) tetrachloroethene	13.377	164	779	0.28	ug/L		89
99) 1,3-dichloropropane	13.403	76	1685	0.49	ug/L		91
100) butyl acetate	13.445	56	630	0.43	ug/L	#	58
101) dibromochloromethane	13.691	129	1328	0.52	ug/L		99
102) 1,2-dibromoethane	13.858	107	1113	0.52	ug/L		86
103) 3,3-dimethyl-1-Butanol	13.555	57	1163	6.34	ug/L	#	83
104) n-butyl ether	14.209	57	4295	0.41	ug/L	#	94
105) chlorobenzene	14.350	112	3136	0.45	ug/L		91
106) 1,1,1,2-tetrachloroethane	14.413	131	1203	0.49	ug/L		93
107) ethylbenzene	14.392	91	5016	0.44	ug/L		95
108) m,p-xylene	14.507	106	3793	0.84	ug/L		91
109) o-xylene	14.978	106	1913	0.44	ug/L		99
110) styrene	14.988	104	3156	0.42	ug/L		96
111) bromoform	15.312	173	948	0.51	ug/L		85
113) isopropylbenzene	15.349	105	4841	0.44	ug/L		94
115) bromobenzene	15.820	156	1398	0.47	ug/L	#	78
116) 1,1,2,2-tetrachloroethane	15.710	83	1419	0.57	ug/L		90
119) n-propylbenzene	15.809	91	5464	0.45	ug/L		94
120) 2-chlorotoluene	15.982	126	1142	0.45	ug/L		90
121) 4-chlorotoluene	16.092	91	3662	0.48	ug/L		98
123) 1,3,5-trimethylbenzene	15.966	105	3984	0.47	ug/L		89
124) tert-butylbenzene	16.364	119	3617	0.48	ug/L		98
125) pentachloroethane	16.463	167	765	0.58	ug/L	#	68
126) 1,2,4-trimethylbenzene	16.411	105	3851	0.47	ug/L		99
128) sec-butylbenzene	16.599	105	4656	0.43	ug/L		93
129) 1,3-dichlorobenzene	16.829	146	2349	0.45	ug/L		93
130) p-isopropyltoluene	16.724	119	4007	0.43	ug/L		97
131) 1,4-dichlorobenzene	16.918	146	2585	0.49	ug/L		85
132) benzyl chloride	17.054	91	2974	0.65	ug/L		99
133) 1,2-dichlorobenzene	17.368	146	2338	0.47	ug/L		92
135) n-butylbenzene	17.185	92	1763	0.41	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199949.D
Acq On : 22 Oct 2015 4:40 pm
Operator : NicoleH1
Sample : IC9209-0.5
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 23 08:28:05 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
138) 1,3,5-trichlorobenzene	18.403	180	1761	0.46	ug/L	92
140) hexachlorobutadiene	19.256	225	693	0.39	ug/L	93
143) 1,2,3-trichlorobenzene	19.747	180	654	0.64	ug/L #	85
144) hexachloroethane	17.640	201	692	0.41	ug/L	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

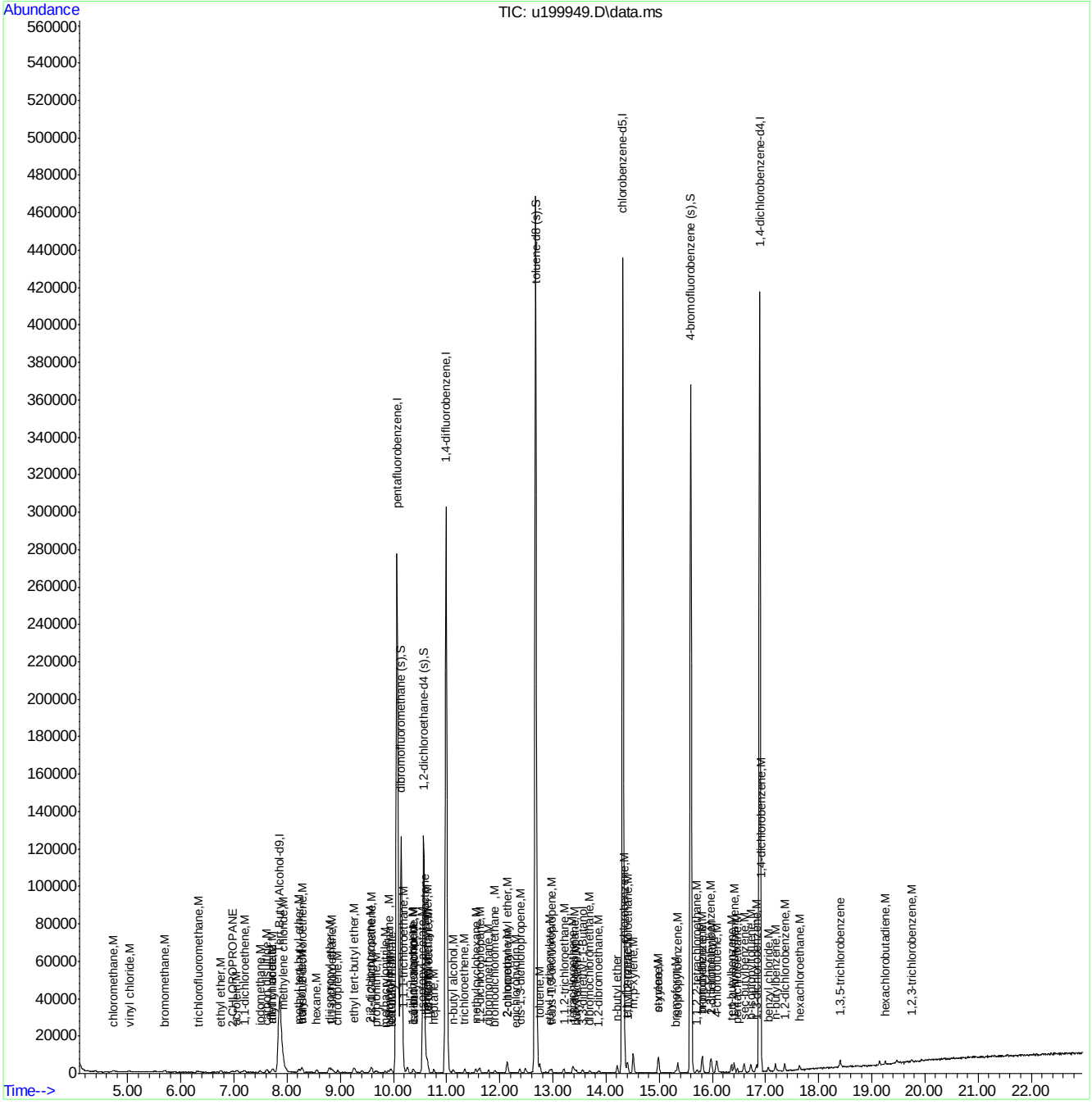
7.7.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199949.D
Acq On : 22 Oct 2015 4:40 pm
Operator : NicoleH1
Sample : IC9209-0.5
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 23 08:28:05 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199950.D
Acq On : 22 Oct 2015 5:10 pm
Operator : NicoleH1
Sample : IC9209-1
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 08:31:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.864	65	108663	500.00	ug/L	0.00
5) pentafluorobenzene	10.066	168	270032	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.991	114	318904	50.00	ug/L	0.00
96) chlorobenzene-d5	14.318	117	295195	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.891	152	135231	50.00	ug/L	0.00

System Monitoring Compounds						
56) dibromofluoromethane (s)	10.144	113	100618	52.40	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 104.80%			
57) 1,2-dichloroethane-d4 (s)	10.568	65	109441	56.63	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 113.26%			
88) toluene-d8 (s)	12.676	98	395330	50.36	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 100.72%			
114) 4-bromofluorobenzene (s)	15.594	95	147043	54.33	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.66%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.979	59	1150	4.74	ug/L	55
11) chlorodifluoromethane	4.391	51	1808	1.04	ug/L	65
12) dichlorodifluoromethane	4.375	85	1681	0.74	ug/L #	50
15) chloromethane	4.715	50	2995	0.97	ug/L	84
16) vinyl chloride	5.029	62	2328	0.85	ug/L	93
18) bromomethane	5.693	94	1774	0.97	ug/L	92
19) chloroethane	5.876	64	1226	0.92	ug/L	74
20) trichlorofluoromethane	6.310	101	3150	1.03	ug/L	90
23) ethyl ether	6.760	74	979	0.84	ug/L #	65
24) 2-CHLOROPROPANE	6.964	43	3361	0.93	ug/L #	89
27) acrolein	7.043	56	3539	8.41	ug/L	97
28) 1,1-dichloroethene	7.189	96	1670	0.86	ug/L	98
30) allyl chloride	7.728	76	922	0.82	ug/L #	69
32) iodomethane	7.492	142	3287	0.88	ug/L	85
33) carbon disulfide	7.613	76	6112	0.88	ug/L	87
35) methylene chloride	7.921	84	1961	0.89	ug/L	97
36) methyl acetate	7.707	43	1476	1.04	ug/L #	60
37) methyl tert butyl ether	8.214	73	6442	1.08	ug/L	90
38) trans-1,2-dichloroethene	8.287	96	2055	0.97	ug/L	96
39) di-isopropyl ether	8.795	45	6970	1.04	ug/L	94
40) ethyl tert-butyl ether	9.250	59	7257	1.11	ug/L	92
42) 1,1-dichloroethane	8.852	63	3525	0.95	ug/L	98
43) chloroprene	8.957	53	2847	1.10	ug/L	94
44) acrylonitrile	8.272	53	3577	4.82	ug/L	91
47) 2,2-dichloropropane	9.574	77	2979	1.03	ug/L	98
48) cis-1,2-dichloroethene	9.590	96	2192	0.93	ug/L	89
50) propionitrile	9.679	54	2797	10.20	ug/L	95
51) bromochloromethane	9.898	128	1016	0.83	ug/L	93
52) tetrahydrofuran	9.945	42	597	0.91	ug/L #	36
53) chloroform	9.940	83	3487	0.97	ug/L	94
54) tert-butyl Formate	9.961	59	1841	1.08	ug/L #	82
55) iso-butyl alcohol	10.369	43	871	10.62	ug/L #	85
58) freon 113	7.158	151	1268	0.93	ug/L	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199950.D
Acq On : 22 Oct 2015 5:10 pm
Operator : NicoleH1
Sample : IC9209-1
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 08:31:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
59) methacrylonitrile	9.846	41	1125	0.89	ug/L		85
60) 1,1,1-trichloroethane	10.196	97	2985	0.95	ug/L		97
62) tert-amyl methyl ether	10.641	87	1532	1.05	ug/L	#	69
63) iso-octane	10.589	57	7446	1.10	ug/L		95
66) epichlorohydrin	12.283	57	1163	5.76	ug/L		53
67) n-butyl alcohol	11.122	56	2979	64.41	ug/L		91
68) Cyclohexane	10.254	84	2621	0.88	ug/L		89
69) carbon tetrachloride	10.390	117	2882	1.02	ug/L		99
70) 1,1-dichloropropene	10.369	75	2491	0.88	ug/L		95
71) hexane	8.559	57	2832	1.15	ug/L		93
72) benzene	10.636	78	8409	0.95	ug/L		100
73) heptane	10.761	57	1522	1.17	ug/L		84
74) isopropyl acetate	10.531	43	4065	1.05	ug/L		97
75) 1,2-dichloroethane	10.657	62	2732	1.06	ug/L		92
78) trichloroethene	11.342	95	2052	0.93	ug/L		95
79) methylcyclohexane	11.546	83	3537	1.04	ug/L		99
80) 2-nitropropane	12.142	41	756	1.04	ug/L	#	45
81) 2-chloroethyl vinyl ether	12.137	63	6938	5.22	ug/L		96
82) methyl methacrylate	11.603	100	461	0.77	ug/L	#	39
83) 1,2-dichloropropane	11.624	63	2138	0.94	ug/L		94
84) propyl acetate	11.624	73	333	0.79	ug/L		55
85) dibromomethane	11.781	93	1216	0.87	ug/L		81
86) bromodichloromethane	11.912	83	3078	1.06	ug/L		95
87) cis-1,3-dichloropropene	12.377	75	3622	0.97	ug/L		98
89) 4-methyl-2-pentanone	12.466	58	661	0.78	ug/L	#	55
90) toluene	12.754	92	5315	0.91	ug/L		94
91) 3-methyl-1-butanol	12.487	55	1860	22.19	ug/L		91
92) trans-1,3-dichloropropene	12.968	75	3374	0.98	ug/L		91
93) ethyl methacrylate	12.937	69	2561	0.89	ug/L		96
94) 1,1,2-trichloroethane	13.204	83	1674	0.94	ug/L		98
95) 2-hexanone	13.376	58	622	0.63	ug/L	#	75
97) cyclohexanone	15.584	55	1051	3.55	ug/L		79
98) tetrachloroethene	13.382	164	1966	0.73	ug/L		80
99) 1,3-dichloropropane	13.403	76	3161	0.94	ug/L		92
100) butyl acetate	13.434	56	1358	0.95	ug/L		87
101) dibromochloromethane	13.690	129	2496	0.99	ug/L		99
102) 1,2-dibromoethane	13.863	107	2043	0.98	ug/L		92
103) 3,3-dimethyl-1-Butanol	13.559	57	1908	10.60	ug/L	#	96
104) n-butyl ether	14.208	57	8862	0.87	ug/L		100
105) chlorobenzene	14.349	112	6348	0.93	ug/L		84
106) 1,1,1,2-tetrachloroethane	14.422	131	2150	0.90	ug/L		94
107) ethylbenzene	14.396	91	10552	0.94	ug/L		96
108) m,p-xylene	14.511	106	7944	1.80	ug/L		94
109) o-xylene	14.982	106	3982	0.93	ug/L		97
110) styrene	14.993	104	6284	0.86	ug/L		93
111) bromoform	15.312	173	1822	1.01	ug/L		90
113) isopropylbenzene	15.348	105	9965	0.92	ug/L		99
115) bromobenzene	15.814	156	2810	0.95	ug/L		87
116) 1,1,2,2-tetrachloroethane	15.709	83	2737	1.10	ug/L		93
118) 1,2,3-trichloropropane	15.798	110	645	0.93	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199950.D
Acq On : 22 Oct 2015 5:10 pm
Operator : NicoleH1
Sample : IC9209-1
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 08:31:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

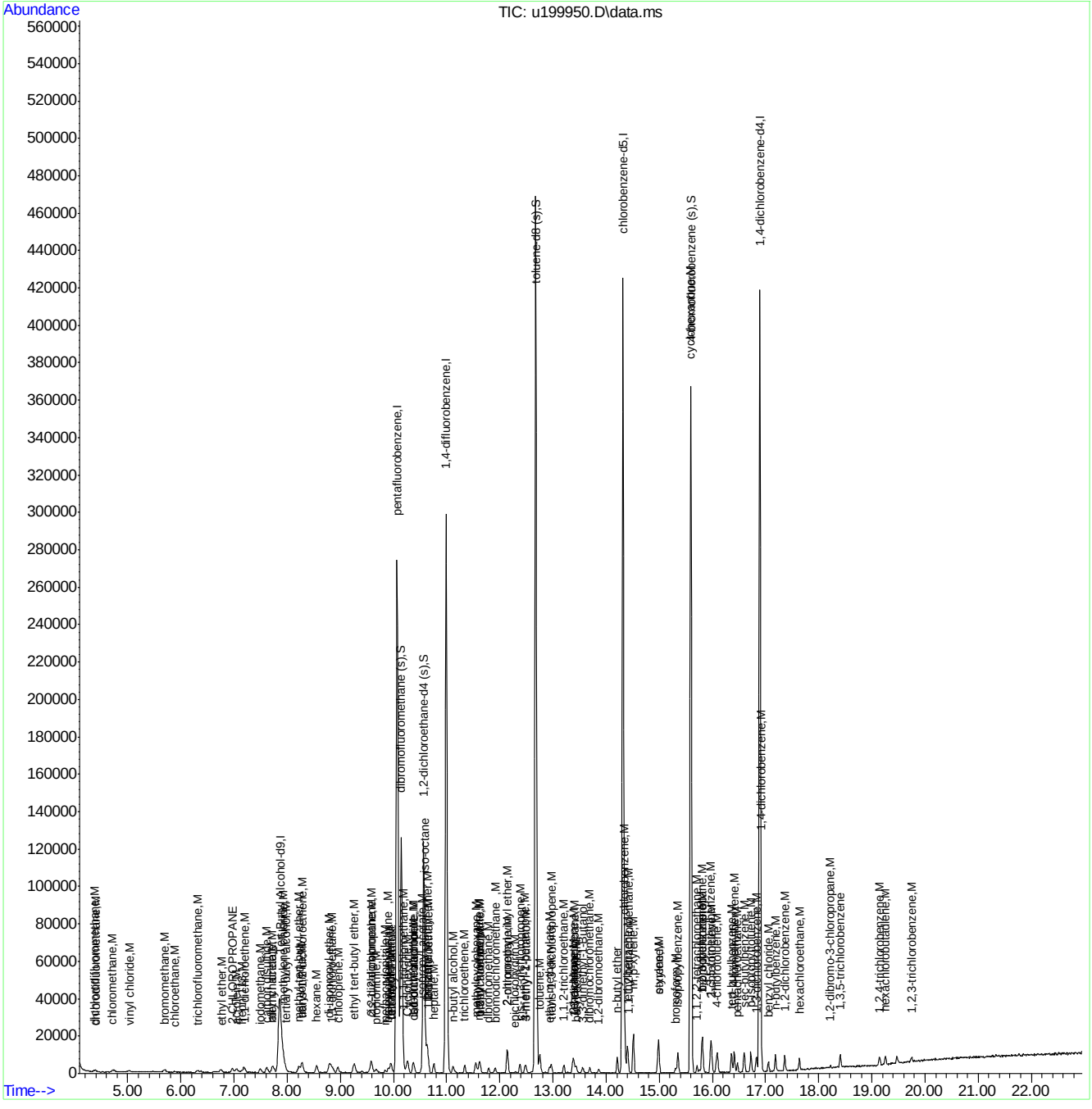
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
119) n-propylbenzene	15.803	91	11291	0.94 ug/L	95
120) 2-chlorotoluene	15.986	126	2325	0.93 ug/L	93
121) 4-chlorotoluene	16.091	91	7434	0.99 ug/L	98
123) 1,3,5-trimethylbenzene	15.965	105	8299	0.98 ug/L	96
124) tert-butylbenzene	16.363	119	7740	1.03 ug/L	95
125) pentachloroethane	16.473	167	1683	1.28 ug/L	96
126) 1,2,4-trimethylbenzene	16.415	105	7997	0.97 ug/L	99
128) sec-butylbenzene	16.598	105	10146	0.93 ug/L	95
129) 1,3-dichlorobenzene	16.834	146	4785	0.93 ug/L	97
130) p-isopropyltoluene	16.724	119	8652	0.94 ug/L	97
131) 1,4-dichlorobenzene	16.917	146	5126	0.98 ug/L	90
132) benzyl chloride	17.053	91	5581	1.23 ug/L	98
133) 1,2-dichlorobenzene	17.362	146	4715	0.95 ug/L	98
135) n-butylbenzene	17.184	92	3665	0.86 ug/L	97
137) 1,2-dibromo-3-chloropr...	18.220	157	407	0.80 ug/L	78
138) 1,3,5-trichlorobenzene	18.408	180	3303	0.86 ug/L	98
139) 1,2,4-trichlorobenzene	19.150	180	2282	0.83 ug/L #	75
140) hexachlorobutadiene	19.255	225	1612	0.92 ug/L	86
143) 1,2,3-trichlorobenzene	19.747	180	1374	1.36 ug/L	83
144) hexachloroethane	17.644	201	1614	0.95 ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199950.D
Acq On : 22 Oct 2015 5:10 pm
Operator : NicoleH1
Sample : IC9209-1
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 08:31:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199951.D
Acq On : 22 Oct 2015 5:39 pm
Operator : NicoleH1
Sample : IC9209-2
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 08:35:19 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.856	65	107914	500.00	ug/L	0.00
5) pentafluorobenzene	10.068	168	269174	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.989	114	321030	50.00	ug/L	0.00
96) chlorobenzene-d5	14.315	117	294931	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.888	152	136544	50.00	ug/L	0.00

System Monitoring Compounds

56) dibromofluoromethane (s)	10.147	113	99131	51.79	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 103.58%			
57) 1,2-dichloroethane-d4 (s)	10.565	65	110767	57.50	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 115.00%			
88) toluene-d8 (s)	12.673	98	397392	50.29	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 100.58%			
114) 4-bromofluorobenzene (s)	15.591	95	147220	53.87	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.74%			

Target Compounds

						Qvalue
2) tertiary butyl alcohol	7.981	59	2075	8.62	ug/L	72
4) 1,4-dioxane	11.726	88	758	43.92	ug/L #	62
11) chlorodifluoromethane	4.388	51	3317	1.92	ug/L	65
12) dichlorodifluoromethane	4.351	85	4827	2.12	ug/L	91
15) chloromethane	4.718	50	6448	2.09	ug/L	92
16) vinyl chloride	5.016	62	5850	2.15	ug/L	87
18) bromomethane	5.690	94	4176	2.30	ug/L	86
19) chloroethane	5.879	64	3251	2.44	ug/L	97
20) trichlorofluoromethane	6.318	101	7551	2.47	ug/L	91
23) ethyl ether	6.747	74	2105	1.82	ug/L #	82
24) 2-CHLOROPROPANE	6.972	43	6387	1.78	ug/L	96
27) acrolein	7.040	56	6964	16.61	ug/L	97
28) 1,1-dichloroethene	7.197	96	3330	1.71	ug/L	92
30) allyl chloride	7.725	76	2000	1.79	ug/L	79
31) acetonitrile	7.725	40	4459	28.57	ug/L #	68
32) iodomethane	7.495	142	6196	1.66	ug/L	97
33) carbon disulfide	7.610	76	11915	1.73	ug/L	95
35) methylene chloride	7.918	84	3997	1.82	ug/L	90
36) methyl acetate	7.704	43	2466	1.74	ug/L #	71
37) methyl tert butyl ether	8.217	73	12089	2.03	ug/L	96
38) trans-1,2-dichloroethene	8.285	96	3767	1.78	ug/L	86
39) di-isopropyl ether	8.787	45	11762	1.76	ug/L	88
40) ethyl tert-butyl ether	9.257	59	12135	1.87	ug/L	96
42) 1,1-dichloroethane	8.855	63	6746	1.82	ug/L	97
43) chloroprene	8.949	53	4884	1.89	ug/L	95
44) acrylonitrile	8.269	53	7058	9.54	ug/L	99
47) 2,2-dichloropropane	9.582	77	5621	1.94	ug/L	94
48) cis-1,2-dichloroethene	9.582	96	4377	1.86	ug/L	93
50) propionitrile	9.676	54	5450	19.94	ug/L	98
51) bromochloromethane	9.906	128	2065	1.69	ug/L	91
52) tetrahydrofuran	9.932	42	1326	2.03	ug/L #	60
53) chloroform	9.953	83	6866	1.91	ug/L	89
54) tert-butyl Formate	9.963	59	3215	1.90	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199951.D
Acq On : 22 Oct 2015 5:39 pm
Operator : NicoleH1
Sample : IC9209-2
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 08:35:19 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) iso-butyl alcohol	10.371	43	1834	22.43	ug/L		93
58) freon 113	7.139	151	2439	1.80	ug/L		96
59) methacrylonitrile	9.833	41	2168	1.72	ug/L		98
60) 1,1,1-trichloroethane	10.188	97	5816	1.86	ug/L		98
62) tert-amyl methyl ether	10.633	87	2798	1.93	ug/L	#	68
63) iso-octane	10.596	57	13855	2.06	ug/L		97
66) epichlorohydrin	12.291	57	2042	10.05	ug/L		95
67) n-butyl alcohol	11.114	56	5324	114.35	ug/L		93
68) Cyclohexane	10.256	84	5631	1.87	ug/L		92
69) carbon tetrachloride	10.387	117	5377	1.89	ug/L		98
70) 1,1-dichloropropene	10.361	75	5110	1.79	ug/L		93
71) hexane	8.551	57	4610	1.86	ug/L		88
72) benzene	10.633	78	15542	1.74	ug/L		94
73) heptane	10.753	57	2726	2.09	ug/L		95
74) isopropyl acetate	10.523	43	7118	1.83	ug/L		97
75) 1,2-dichloroethane	10.664	62	5290	2.04	ug/L		93
78) trichloroethene	11.339	95	3962	1.78	ug/L		94
79) methylcyclohexane	11.548	83	6424	1.87	ug/L		96
80) 2-nitropropane	12.144	41	1549	2.12	ug/L	#	40
81) 2-chloroethyl vinyl ether	12.139	63	11422	8.54	ug/L		95
82) methyl methacrylate	11.590	100	1023	1.70	ug/L	#	37
83) 1,2-dichloropropane	11.616	63	4072	1.78	ug/L		98
84) propyl acetate	11.621	73	848	2.00	ug/L		69
85) dibromomethane	11.784	93	2569	1.84	ug/L		90
86) bromodichloromethane	11.914	83	5641	1.92	ug/L		94
87) cis-1,3-dichloropropene	12.380	75	6863	1.83	ug/L		96
89) 4-methyl-2-pentanone	12.474	58	1432	1.68	ug/L	#	79
90) toluene	12.751	92	10086	1.72	ug/L		91
91) 3-methyl-1-butanol	12.479	55	3334	39.52	ug/L		97
92) trans-1,3-dichloropropene	12.966	75	6356	1.84	ug/L		91
93) ethyl methacrylate	12.934	69	4810	1.65	ug/L		94
94) 1,1,2-trichloroethane	13.206	83	3312	1.84	ug/L		96
95) 2-hexanone	13.373	58	1303	1.31	ug/L		88
97) cyclohexanone	15.575	55	1632	5.51	ug/L		86
98) tetrachloroethene	13.373	164	3613	1.34	ug/L		96
99) 1,3-dichloropropane	13.400	76	6446	1.92	ug/L		95
100) butyl acetate	13.436	56	2417	1.70	ug/L		89
101) dibromochloromethane	13.698	129	4607	1.83	ug/L		95
102) 1,2-dibromoethane	13.865	107	3961	1.89	ug/L		90
103) 3,3-dimethyl-1-Butanol	13.551	57	3593	19.98	ug/L	#	95
104) n-butyl ether	14.210	57	16806	1.65	ug/L		99
105) chlorobenzene	14.352	112	11778	1.73	ug/L		89
106) 1,1,1,2-tetrachloroethane	14.414	131	4478	1.87	ug/L		95
107) ethylbenzene	14.393	91	19917	1.77	ug/L		99
108) m,p-xylene	14.508	106	15260	3.46	ug/L		98
109) o-xylene	14.974	106	7539	1.76	ug/L		98
110) styrene	14.990	104	12324	1.68	ug/L		97
111) bromoform	15.314	173	3289	1.82	ug/L		92
113) isopropylbenzene	15.350	105	19510	1.78	ug/L		99
115) bromobenzene	15.816	156	5493	1.83	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199951.D
Acq On : 22 Oct 2015 5:39 pm
Operator : NicoleH1
Sample : IC9209-2
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 08:35:19 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
116) 1,1,2,2-tetrachloroethane	15.711	83	4989	1.98 ug/L	93
117) trans-1,4-dichloro-2-b...	15.758	53	1147	1.76 ug/L	96
118) 1,2,3-trichloropropane	15.800	110	1323	1.90 ug/L	99
119) n-propylbenzene	15.806	91	21791	1.79 ug/L	98
120) 2-chlorotoluene	15.983	126	4772	1.88 ug/L	86
121) 4-chlorotoluene	16.093	91	14012	1.84 ug/L	94
123) 1,3,5-trimethylbenzene	15.968	105	15900	1.86 ug/L	99
124) tert-butylbenzene	16.360	119	14174	1.87 ug/L	96
125) pentachloroethane	16.470	167	3175	2.40 ug/L	98
126) 1,2,4-trimethylbenzene	16.412	105	15484	1.87 ug/L	96
128) sec-butylbenzene	16.595	105	19642	1.79 ug/L	96
129) 1,3-dichlorobenzene	16.825	146	9153	1.76 ug/L	98
130) p-isopropyltoluene	16.726	119	16806	1.81 ug/L	96
131) 1,4-dichlorobenzene	16.920	146	9466	1.79 ug/L	99
132) benzyl chloride	17.050	91	9553	2.09 ug/L	93
133) 1,2-dichlorobenzene	17.364	146	8474	1.70 ug/L	97
135) n-butylbenzene	17.186	92	7418	1.72 ug/L	97
137) 1,2-dibromo-3-chloropr...	18.217	157	795	1.54 ug/L #	79
138) 1,3,5-trichlorobenzene	18.405	180	6642	1.71 ug/L	99
139) 1,2,4-trichlorobenzene	19.148	180	4370	1.58 ug/L	92
140) hexachlorobutadiene	19.252	225	3139	1.77 ug/L	88
141) naphthalene	19.472	128	8288	1.91 ug/L	97
143) 1,2,3-trichlorobenzene	19.744	180	2999	2.94 ug/L	91
144) hexachloroethane	17.641	201	3023	1.77 ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

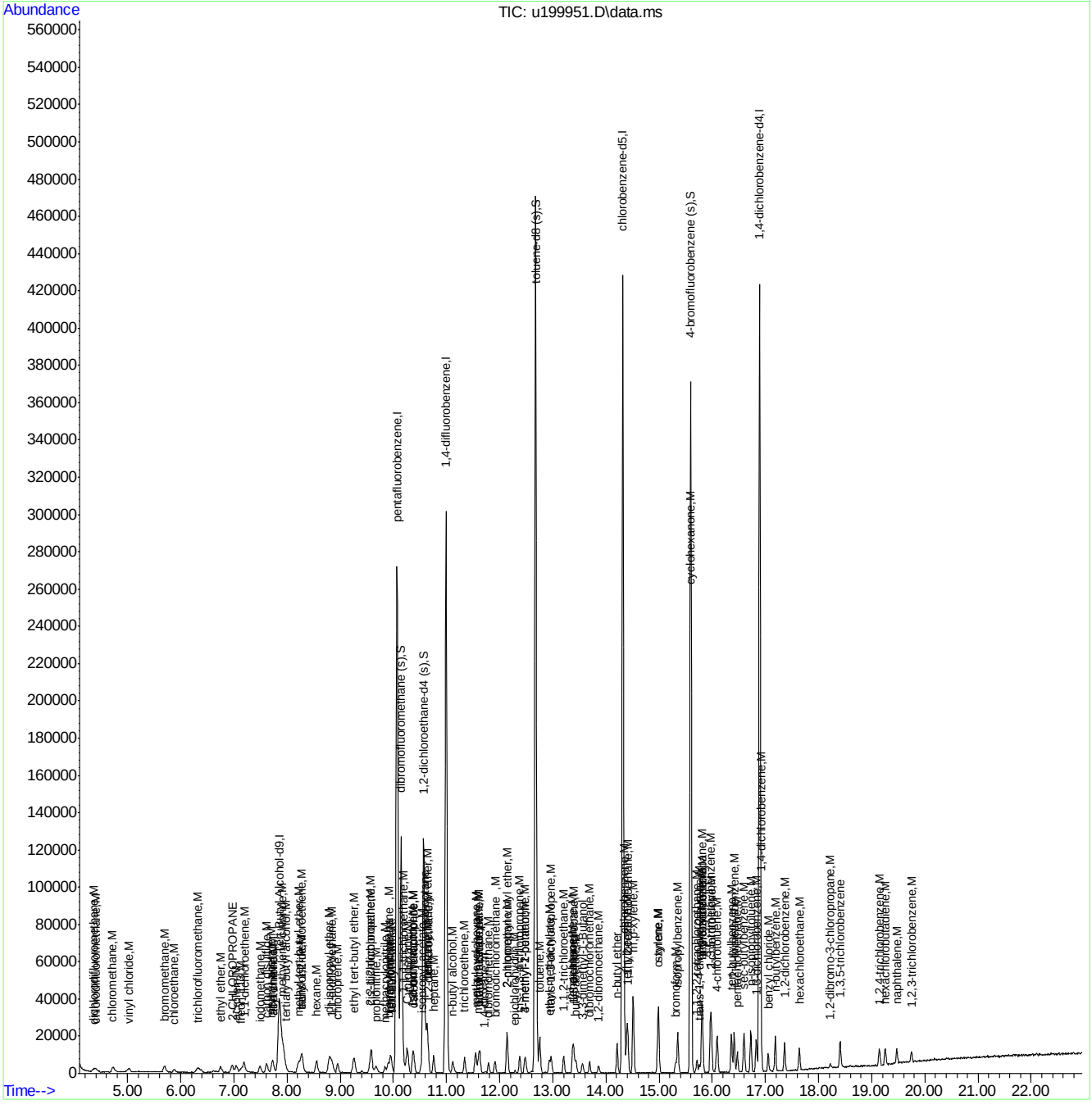
7.7.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199951.D
Acq On : 22 Oct 2015 5:39 pm
Operator : NicoleH1
Sample : IC9209-2
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 08:35:19 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199952.D
Acq On : 22 Oct 2015 6:08 pm
Operator : NicoleH1
Sample : IC9209-5
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 08:38:15 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.854	65	109370	500.00	ug/L	0.00
5) pentafluorobenzene	10.071	168	269592	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.992	114	318017	50.00	ug/L	0.00
96) chlorobenzene-d5	14.318	117	293106	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.891	152	137654	50.00	ug/L	0.00

System Monitoring Compounds						
56) dibromofluoromethane (s)	10.144	113	99429	51.86	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 103.72%			
57) 1,2-dichloroethane-d4 (s)	10.568	65	109509	56.76	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 113.52%			
88) toluene-d8 (s)	12.676	98	395171	50.48	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 100.96%			
114) 4-bromofluorobenzene (s)	15.594	95	147221	53.43	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.86%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.974	59	6256	25.64	ug/L	73
4) 1,4-dioxane	11.724	88	2412	137.90	ug/L	98
11) chlorodifluoromethane	4.402	51	10331	5.97	ug/L	98
12) dichlorodifluoromethane	4.360	85	12520	5.49	ug/L	96
15) chloromethane	4.726	50	14920	4.82	ug/L	96
16) vinyl chloride	5.029	62	13235	4.85	ug/L	98
18) bromomethane	5.694	94	9685	5.32	ug/L	93
19) chloroethane	5.871	64	7450	5.59	ug/L	94
20) trichlorofluoromethane	6.321	101	17841	5.84	ug/L	96
23) ethyl ether	6.750	74	5759	4.96	ug/L	97
24) 2-CHLOROPROPANE	6.964	43	19206	5.34	ug/L	96
27) acrolein	7.043	56	19960	47.54	ug/L	98
28) 1,1-dichloroethene	7.195	96	9860	5.06	ug/L	96
29) acetone	7.268	58	662	2.58	ug/L #	23
30) allyl chloride	7.728	76	5835	5.21	ug/L	82
31) acetonitrile	7.712	40	9347	59.80	ug/L #	53
32) iodomethane	7.493	142	19022	5.09	ug/L	96
33) carbon disulfide	7.613	76	35421	5.12	ug/L	98
34) 1-CHLOROPROPANE	7.942	63	781	4.48	ug/L #	57
35) methylene chloride	7.927	84	11210	5.10	ug/L	95
36) methyl acetate	7.702	43	7199	5.06	ug/L	94
37) methyl tert butyl ether	8.214	73	33210	5.56	ug/L	98
38) trans-1,2-dichloroethene	8.288	96	11110	5.25	ug/L	95
39) di-isopropyl ether	8.795	45	32585	4.88	ug/L	99
40) ethyl tert-butyl ether	9.260	59	33359	5.13	ug/L	100
41) 2-butanone	9.543	72	1107	3.82	ug/L #	28
42) 1,1-dichloroethane	8.853	63	19722	5.31	ug/L	99
43) chloroprene	8.952	53	14735	5.70	ug/L	97
44) acrylonitrile	8.262	53	19924	26.88	ug/L	97
45) vinyl acetate	8.832	86	1813	4.77	ug/L #	39
46) ethyl acetate	9.548	45	1301	4.42	ug/L	53
47) 2,2-dichloropropane	9.585	77	16981	5.85	ug/L	99
48) cis-1,2-dichloroethene	9.585	96	12086	5.14	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199952.D
Acq On : 22 Oct 2015 6:08 pm
Operator : NicoleH1
Sample : IC9209-5
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 08:38:15 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) methyl acrylate	9.632	85	1506	4.72	ug/L	#	82
50) propionitrile	9.674	54	16176	59.09	ug/L		97
51) bromochloromethane	9.899	128	6087	4.98	ug/L		90
52) tetrahydrofuran	9.930	42	3837	5.86	ug/L		92
53) chloroform	9.940	83	19581	5.45	ug/L		98
54) tert-butyl Formate	9.967	59	9588	5.65	ug/L		95
55) iso-butyl alcohol	10.364	43	5116	62.47	ug/L		98
58) freon 113	7.158	151	8199	6.03	ug/L		97
59) methacrylonitrile	9.836	41	6487	5.15	ug/L		93
60) 1,1,1-trichloroethane	10.186	97	17786	5.68	ug/L		98
62) tert-amyl methyl ether	10.631	87	7855	5.40	ug/L	#	81
63) iso-octane	10.594	57	40440	6.00	ug/L		99
66) epichlorohydrin	12.289	57	5211	25.89	ug/L		97
67) n-butyl alcohol	11.112	56	15960	346.04	ug/L		95
68) Cyclohexane	10.254	84	17643	5.92	ug/L	#	80
69) carbon tetrachloride	10.385	117	16679	5.92	ug/L		97
70) 1,1-dichloropropene	10.364	75	15191	5.37	ug/L		98
71) hexane	8.549	57	14569	5.94	ug/L		96
72) benzene	10.631	78	45410	5.13	ug/L		99
73) heptane	10.756	57	8392	6.49	ug/L		97
74) isopropyl acetate	10.526	43	19687	5.11	ug/L		97
75) 1,2-dichloroethane	10.657	62	14938	5.81	ug/L		99
78) trichloroethene	11.337	95	11716	5.31	ug/L		94
79) methylcyclohexane	11.546	83	19384	5.70	ug/L		97
80) 2-nitropropane	12.142	41	4181	5.77	ug/L	#	56
81) 2-chloroethyl vinyl ether	12.137	63	32588	24.59	ug/L		100
82) methyl methacrylate	11.593	100	2930	4.91	ug/L	#	65
83) 1,2-dichloropropane	11.614	63	11462	5.06	ug/L		91
84) propyl acetate	11.630	73	2105	5.02	ug/L		98
85) dibromomethane	11.787	93	7171	5.17	ug/L		94
86) bromodichloromethane	11.912	83	15955	5.49	ug/L		98
87) cis-1,3-dichloropropene	12.378	75	19658	5.28	ug/L		95
89) 4-methyl-2-pentanone	12.472	58	4320	5.13	ug/L	#	90
90) toluene	12.754	92	30047	5.17	ug/L		98
91) 3-methyl-1-butanol	12.482	55	9988	119.51	ug/L		96
92) trans-1,3-dichloropropene	12.969	75	18287	5.35	ug/L		98
93) ethyl methacrylate	12.932	69	14222	4.94	ug/L		95
94) 1,1,2-trichloroethane	13.204	83	8876	4.98	ug/L		96
95) 2-hexanone	13.371	58	4270	4.34	ug/L		97
97) cyclohexanone	15.573	55	3964	13.47	ug/L		90
98) tetrachloroethene	13.377	164	11128	4.17	ug/L		97
99) 1,3-dichloropropane	13.403	76	17685	5.29	ug/L		98
100) butyl acetate	13.434	56	7305	5.16	ug/L		85
101) dibromochloromethane	13.690	129	13263	5.30	ug/L		92
102) 1,2-dibromoethane	13.863	107	10946	5.26	ug/L		97
103) 3,3-dimethyl-1-Butanol	13.554	57	10231	57.25	ug/L	#	98
104) n-butyl ether	14.208	57	49973	4.92	ug/L		99
105) chlorobenzene	14.349	112	34216	5.05	ug/L		98
106) 1,1,1,2-tetrachloroethane	14.412	131	12781	5.37	ug/L		97
107) ethylbenzene	14.396	91	57495	5.14	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199952.D
Acq On : 22 Oct 2015 6:08 pm
Operator : NicoleH1
Sample : IC9209-5
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 08:38:15 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
108) m,p-xylene	14.512	106	45232	10.31 ug/L	97
109) o-xylene	14.977	106	21850	5.14 ug/L	88
110) styrene	14.993	104	36961	5.08 ug/L	97
111) bromoform	15.312	173	9467	5.27 ug/L	99
113) isopropylbenzene	15.348	105	58387	5.27 ug/L	99
115) bromobenzene	15.814	156	15601	5.16 ug/L	92
116) 1,1,2,2-tetrachloroethane	15.709	83	14023	5.53 ug/L	97
117) trans-1,4-dichloro-2-b...	15.756	53	3470	5.29 ug/L	90
118) 1,2,3-trichloropropane	15.793	110	3858	5.49 ug/L	97
119) n-propylbenzene	15.803	91	65633	5.34 ug/L	100
120) 2-chlorotoluene	15.981	126	14079	5.52 ug/L	89
121) 4-chlorotoluene	16.091	91	41112	5.36 ug/L	97
123) 1,3,5-trimethylbenzene	15.966	105	47404	5.51 ug/L	100
124) tert-butylbenzene	16.358	119	42321	5.53 ug/L	99
125) pentachloroethane	16.473	167	9408	7.04 ug/L	98
126) 1,2,4-trimethylbenzene	16.410	105	45573	5.45 ug/L	97
128) sec-butylbenzene	16.598	105	59932	5.42 ug/L	98
129) 1,3-dichlorobenzene	16.828	146	26735	5.10 ug/L	96
130) p-isopropyltoluene	16.724	119	50774	5.43 ug/L	99
131) 1,4-dichlorobenzene	16.917	146	26893	5.05 ug/L	97
132) benzyl chloride	17.053	91	26497	5.74 ug/L	97
133) 1,2-dichlorobenzene	17.357	146	24936	4.95 ug/L	96
135) n-butylbenzene	17.184	92	23077	5.31 ug/L	97
137) 1,2-dibromo-3-chloropr...	18.214	157	2573	4.95 ug/L	89
138) 1,3,5-trichlorobenzene	18.408	180	19450	4.98 ug/L	99
139) 1,2,4-trichlorobenzene	19.140	180	14050	5.05 ug/L	98
140) hexachlorobutadiene	19.255	225	9958	5.56 ug/L	95
141) naphthalene	19.470	128	26100	5.96 ug/L	97
143) 1,2,3-trichlorobenzene	19.747	180	9679	9.41 ug/L	97
144) hexachloroethane	17.639	201	9011	5.23 ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

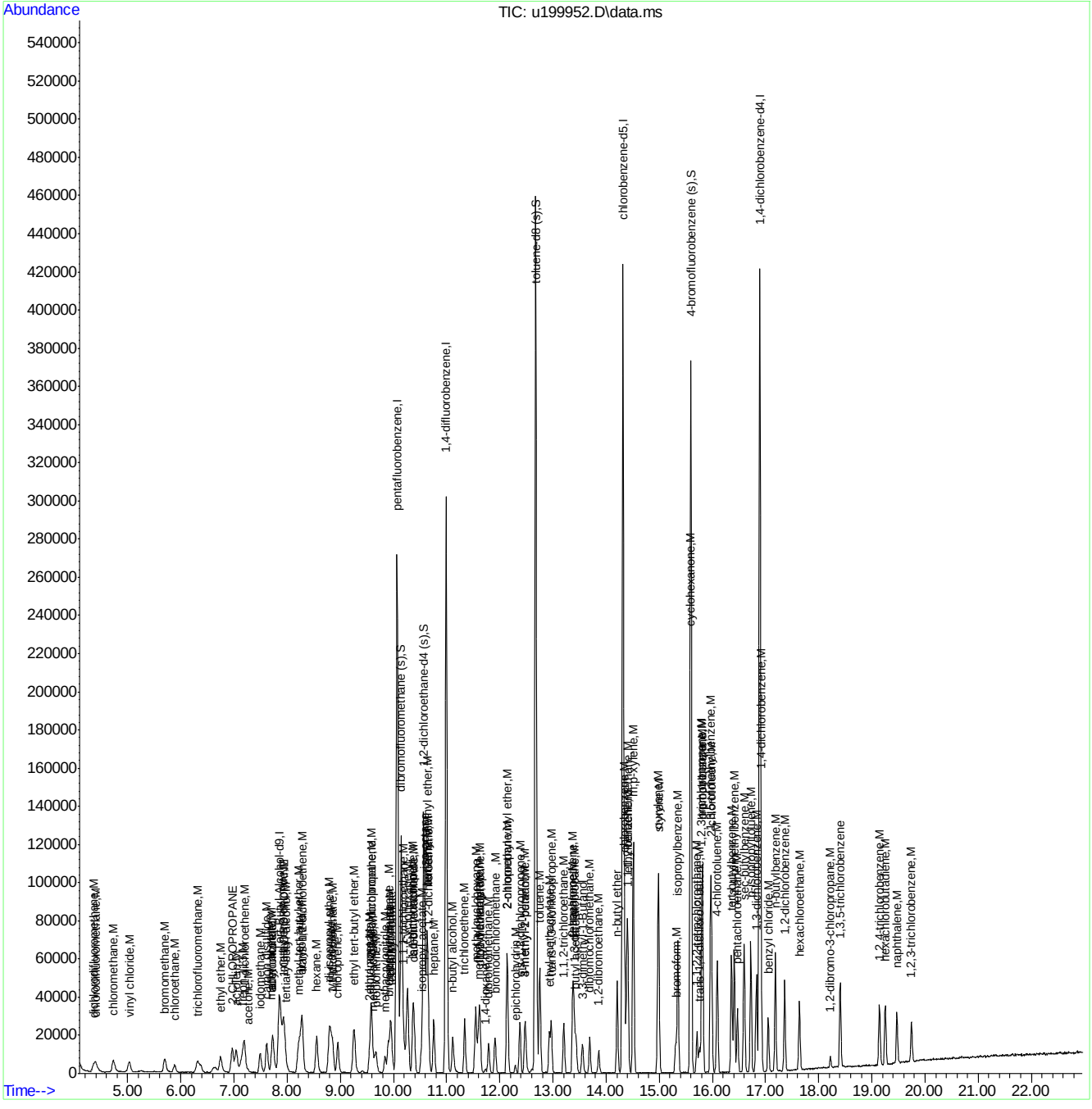
7.7.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199952.D
Acq On : 22 Oct 2015 6:08 pm
Operator : NicoleH1
Sample : IC9209-5
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 08:38:15 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration



MU9209.M Mon Oct 26 18:04:12 2015 U_CORE

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199953.D
Acq On : 22 Oct 2015 6:37 pm
Operator : NicoleH1
Sample : IC9209-10
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 08:41:09 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.864	65	105147	500.00	ug/L	0.00
5) pentafluorobenzene	10.066	168	266924	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.992	114	314543	50.00	ug/L	0.00
96) chlorobenzene-d5	14.318	117	295130	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.892	152	139304	50.00	ug/L	0.00

System Monitoring Compounds						
56) dibromofluoromethane (s)	10.145	113	98822	52.06	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 104.12%			
57) 1,2-dichloroethane-d4 (s)	10.568	65	109146	57.14	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 114.28%			
88) toluene-d8 (s)	12.676	98	392672	50.71	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 101.42%			
114) 4-bromofluorobenzene (s)	15.595	95	149320	53.55	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.10%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.974	59	12241	52.19	ug/L	72
4) 1,4-dioxane	11.724	88	5032	299.24	ug/L	99
11) chlorodifluoromethane	4.397	51	20744	12.11	ug/L	95
12) dichlorodifluoromethane	4.360	85	25194	11.17	ug/L	95
15) chloromethane	4.732	50	28977	9.46	ug/L	97
16) vinyl chloride	5.030	62	25870	9.57	ug/L	98
18) bromomethane	5.694	94	18772	10.41	ug/L	93
19) chloroethane	5.877	64	14290	10.84	ug/L	97
20) trichlorofluoromethane	6.316	101	34646	11.45	ug/L	98
23) ethyl ether	6.750	74	11652	10.14	ug/L	93
24) 2-CHLOROPROPANE	6.965	43	37937	10.66	ug/L	96
27) acrolein	7.038	56	38057	91.54	ug/L	99
28) 1,1-dichloroethene	7.190	96	19954	10.34	ug/L	99
29) acetone	7.258	58	1619	6.38	ug/L #	67
30) allyl chloride	7.723	76	11862	10.69	ug/L	91
31) acetonitrile	7.723	40	17336	112.01	ug/L	91
32) iodomethane	7.493	142	38353	10.38	ug/L	94
33) carbon disulfide	7.619	76	70035	10.23	ug/L	99
34) 1-CHLOROPROPANE	7.948	63	1618	9.38	ug/L #	70
35) methylene chloride	7.927	84	22712	10.44	ug/L	95
36) methyl acetate	7.708	43	14789	10.50	ug/L	98
37) methyl tert butyl ether	8.220	73	65955	11.16	ug/L	99
38) trans-1,2-dichloroethene	8.283	96	21794	10.40	ug/L	95
39) di-isopropyl ether	8.790	45	66882	10.12	ug/L	95
40) ethyl tert-butyl ether	9.256	59	68434	10.62	ug/L	99
41) 2-butanone	9.549	72	2394	8.35	ug/L #	55
42) 1,1-dichloroethane	8.853	63	39329	10.69	ug/L	97
43) chloroprene	8.952	53	30610	11.96	ug/L	94
44) acrylonitrile	8.262	53	38629	52.63	ug/L	96
45) vinyl acetate	8.822	86	3960	10.53	ug/L #	80
46) ethyl acetate	9.543	45	2716	9.31	ug/L	75
47) 2,2-dichloropropane	9.575	77	33239	11.57	ug/L	95
48) cis-1,2-dichloroethene	9.585	96	24392	10.47	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199953.D
Acq On : 22 Oct 2015 6:37 pm
Operator : NicoleH1
Sample : IC9209-10
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 08:41:09 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) methyl acrylate	9.632	85	3118	9.88	ug/L		98
50) propionitrile	9.669	54	31080	114.67	ug/L		95
51) bromochloromethane	9.899	128	11915	9.84	ug/L		97
52) tetrahydrofuran	9.925	42	7250	11.18	ug/L		99
53) chloroform	9.946	83	38116	10.72	ug/L		97
54) tert-butyl Formate	9.967	59	19014	11.32	ug/L		98
55) iso-butyl alcohol	10.364	43	10179	125.54	ug/L		98
58) freon 113	7.153	151	16784	12.46	ug/L		94
59) methacrylonitrile	9.836	41	12956	10.38	ug/L		96
60) 1,1,1-trichloroethane	10.192	97	34598	11.17	ug/L		99
62) tert-amyl methyl ether	10.636	87	15757	10.94	ug/L		93
63) iso-octane	10.595	57	83248	12.47	ug/L		99
66) epichlorohydrin	12.289	57	10804	54.28	ug/L		97
67) n-butyl alcohol	11.112	56	32140	704.55	ug/L		100
68) Cyclohexane	10.255	84	34605	11.73	ug/L		91
69) carbon tetrachloride	10.385	117	32213	11.56	ug/L		99
70) 1,1-dichloropropene	10.359	75	29916	10.70	ug/L		97
71) hexane	8.550	57	29935	12.35	ug/L		100
72) benzene	10.631	78	88537	10.12	ug/L		98
73) heptane	10.757	57	16938	13.24	ug/L		93
74) isopropyl acetate	10.527	43	38896	10.22	ug/L		100
75) 1,2-dichloroethane	10.657	62	28993	11.40	ug/L		95
78) trichloroethene	11.337	95	23042	10.56	ug/L		92
79) methylcyclohexane	11.546	83	40015	11.89	ug/L		97
80) 2-nitropropane	12.143	41	8497	11.85	ug/L	#	65
81) 2-chloroethyl vinyl ether	12.137	63	66884	51.02	ug/L		99
82) methyl methacrylate	11.594	100	6136	10.40	ug/L	#	86
83) 1,2-dichloropropane	11.620	63	22588	10.08	ug/L		95
84) propyl acetate	11.630	73	4322	10.42	ug/L		87
85) dibromomethane	11.787	93	14252	10.39	ug/L		94
86) bromodichloromethane	11.913	83	31558	10.97	ug/L		98
87) cis-1,3-dichloropropene	12.378	75	38740	10.52	ug/L		96
89) 4-methyl-2-pentanone	12.467	58	8607	10.33	ug/L	#	91
90) toluene	12.755	92	58286	10.14	ug/L		99
91) 3-methyl-1-butanol	12.483	55	20446	247.34	ug/L		97
92) trans-1,3-dichloropropene	12.969	75	36384	10.76	ug/L		98
93) ethyl methacrylate	12.932	69	28345	9.95	ug/L		99
94) 1,1,2-trichloroethane	13.204	83	17506	9.93	ug/L		97
95) 2-hexanone	13.372	58	8629	8.86	ug/L		93
97) cyclohexanone	15.574	55	7071	23.87	ug/L		94
98) tetrachloroethene	13.377	164	21830	8.12	ug/L		96
99) 1,3-dichloropropane	13.398	76	35343	10.51	ug/L		99
100) butyl acetate	13.435	56	14461	10.14	ug/L		91
101) dibromochloromethane	13.696	129	26419	10.48	ug/L		98
102) 1,2-dibromoethane	13.858	107	21840	10.43	ug/L		99
103) 3,3-dimethyl-1-Butanol	13.550	57	21524	119.61	ug/L	#	99
104) n-butyl ether	14.209	57	99967	9.78	ug/L		100
105) chlorobenzene	14.350	112	67349	9.86	ug/L		98
106) 1,1,1,2-tetrachloroethane	14.413	131	25328	10.57	ug/L		95
107) ethylbenzene	14.397	91	113751	10.10	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199953.D
Acq On : 22 Oct 2015 6:37 pm
Operator : NicoleH1
Sample : IC9209-10
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 08:41:09 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
108) m,p-xylene	14.512	106	88819	20.10 ug/L	97
109) o-xylene	14.977	106	43865	10.25 ug/L	98
110) styrene	14.993	104	73942	10.09 ug/L	97
111) bromoform	15.307	173	19121	10.57 ug/L	98
113) isopropylbenzene	15.349	105	115484	10.31 ug/L	99
115) bromobenzene	15.814	156	30992	10.12 ug/L	89
116) 1,1,2,2-tetrachloroethane	15.710	83	28271	11.01 ug/L	99
117) trans-1,4-dichloro-2-b...	15.757	53	7323	11.03 ug/L	89
118) 1,2,3-trichloropropane	15.799	110	7618	10.72 ug/L	97
119) n-propylbenzene	15.804	91	131669	10.59 ug/L	99
120) 2-chlorotoluene	15.982	126	27419	10.62 ug/L	85
121) 4-chlorotoluene	16.091	91	81513	10.51 ug/L	98
123) 1,3,5-trimethylbenzene	15.966	105	94386	10.84 ug/L	100
124) tert-butylbenzene	16.358	119	83216	10.75 ug/L	96
125) pentachloroethane	16.473	167	18709	13.84 ug/L	100
126) 1,2,4-trimethylbenzene	16.410	105	92379	10.91 ug/L	98
128) sec-butylbenzene	16.599	105	120068	10.72 ug/L	98
129) 1,3-dichlorobenzene	16.824	146	54604	10.30 ug/L	98
130) p-isopropyltoluene	16.724	119	101083	10.68 ug/L	98
131) 1,4-dichlorobenzene	16.918	146	53897	10.00 ug/L	98
132) benzyl chloride	17.049	91	54450	11.66 ug/L	97
133) 1,2-dichlorobenzene	17.357	146	50319	9.87 ug/L	98
135) n-butylbenzene	17.185	92	45868	10.43 ug/L	96
137) 1,2-dibromo-3-chloropr...	18.220	157	5194	9.87 ug/L	87
138) 1,3,5-trichlorobenzene	18.403	180	39160	9.91 ug/L	98
139) 1,2,4-trichlorobenzene	19.141	180	29827	10.59 ug/L	98
140) hexachlorobutadiene	19.250	225	19999	11.04 ug/L	98
141) naphthalene	19.470	128	56066	12.66 ug/L	99
143) 1,2,3-trichlorobenzene	19.742	180	21645	20.79 ug/L	97
144) hexachloroethane	17.640	201	18203	10.43 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

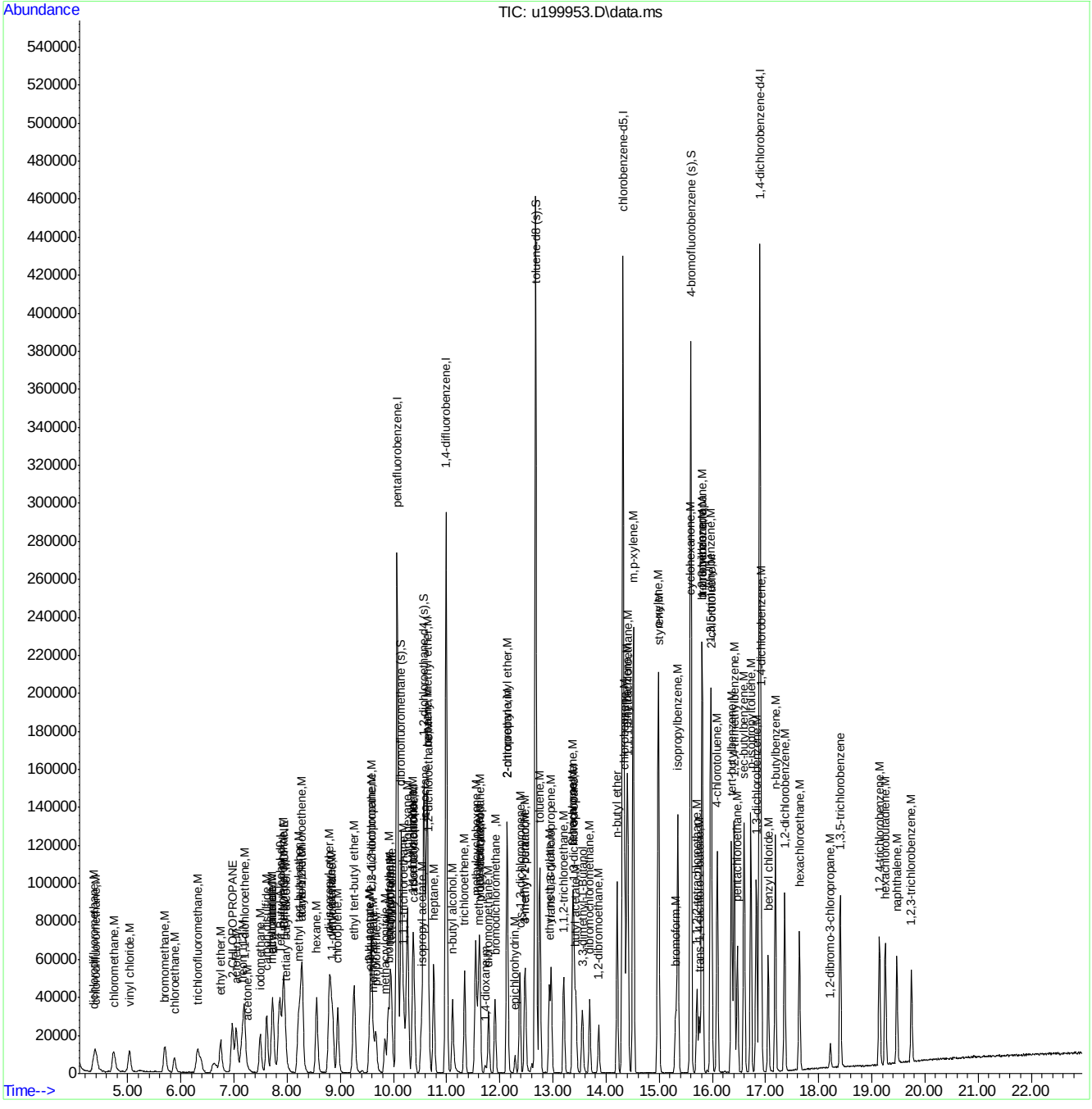
7.7.6

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199953.D
Acq On : 22 Oct 2015 6:37 pm
Operator : NicoleH1
Sample : IC9209-10
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 08:41:09 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199954.D
Acq On : 22 Oct 2015 7:06 pm
Operator : NicoleH1
Sample : IC9209-20
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 23 08:42:03 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.859	65	108520	500.00	ug/L	0.00
5) pentafluorobenzene	10.066	168	267301	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.991	114	315900	50.00	ug/L	0.00
96) chlorobenzene-d5	14.313	117	296006	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.891	152	142250	50.00	ug/L	0.00

System Monitoring Compounds						
56) dibromofluoromethane (s)	10.144	113	99480	52.33	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 104.66%			
57) 1,2-dichloroethane-d4 (s)	10.568	65	109444	57.21	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 114.42%			
88) toluene-d8 (s)	12.675	98	396352	50.97	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 101.94%			
114) 4-bromofluorobenzene (s)	15.594	95	150637	52.91	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.82%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.979	59	25274	104.41	ug/L	96
4) 1,4-dioxane	11.724	88	10372	597.63	ug/L	99
11) chlorodifluoromethane	4.391	51	42324	24.68	ug/L	98
12) dichlorodifluoromethane	4.360	85	52211	23.11	ug/L	96
15) chloromethane	4.747	50	58281	18.99	ug/L	98
16) vinyl chloride	5.029	62	53479	19.76	ug/L	99
18) bromomethane	5.698	94	37723	20.89	ug/L	100
19) chloroethane	5.871	64	29598	22.41	ug/L	98
20) trichlorofluoromethane	6.310	101	71256	23.51	ug/L	97
23) ethyl ether	6.750	74	24092	20.94	ug/L	94
24) 2-CHLOROPROPANE	6.969	43	78073	21.90	ug/L	96
27) acrolein	7.037	56	79629	191.26	ug/L	99
28) 1,1-dichloroethene	7.194	96	40231	20.82	ug/L	99
29) acetone	7.252	58	3475	13.67	ug/L #	82
30) allyl chloride	7.723	76	23361	21.03	ug/L	93
31) acetonitrile	7.723	40	38094	245.79	ug/L #	86
32) iodomethane	7.487	142	77362	20.90	ug/L	97
33) carbon disulfide	7.613	76	142151	20.74	ug/L	98
34) 1-CHLOROPROPANE	7.953	63	3598	20.83	ug/L	85
35) methylene chloride	7.921	84	45409	20.84	ug/L	99
36) methyl acetate	7.702	43	31349	22.23	ug/L	99
37) methyl tert butyl ether	8.219	73	133403	22.53	ug/L	100
38) trans-1,2-dichloroethene	8.287	96	43933	20.94	ug/L	97
39) di-isopropyl ether	8.789	45	135056	20.41	ug/L	97
40) ethyl tert-butyl ether	9.255	59	137340	21.28	ug/L	99
41) 2-butanone	9.548	72	5144	17.92	ug/L #	71
42) 1,1-dichloroethane	8.852	63	79707	21.63	ug/L	99
43) chloroprene	8.946	53	62310	24.31	ug/L	96
44) acrylonitrile	8.261	53	80487	109.50	ug/L	97
45) vinyl acetate	8.826	86	8168	21.70	ug/L #	68
46) ethyl acetate	9.548	45	5885	20.15	ug/L	80
47) 2,2-dichloropropane	9.579	77	66874	23.25	ug/L	98
48) cis-1,2-dichloroethene	9.584	96	49275	21.12	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199954.D
Acq On : 22 Oct 2015 7:06 pm
Operator : NicoleH1
Sample : IC9209-20
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 23 08:42:03 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
49) methyl acrylate	9.632	85	6767	21.40 ug/L	95
50) propionitrile	9.668	54	64163	236.40 ug/L	97
51) bromochloromethane	9.898	128	24565	20.25 ug/L	97
52) tetrahydrofuran	9.924	42	14731	22.69 ug/L	99
53) chloroform	9.945	83	76975	21.62 ug/L	99
54) tert-butyl Formate	9.966	59	38720	23.01 ug/L	98
55) iso-butyl alcohol	10.359	43	21318	262.55 ug/L	97
58) freon 113	7.147	151	32865	24.36 ug/L	94
59) methacrylonitrile	9.836	41	25783	20.63 ug/L	97
60) 1,1,1-trichloroethane	10.191	97	70595	22.76 ug/L	98
62) tert-amyl methyl ether	10.631	87	31751	22.02 ug/L	91
63) iso-octane	10.589	57	167530	25.05 ug/L	98
66) epichlorohydrin	12.288	57	22136	110.74 ug/L	99
67) n-butyl alcohol	11.106	56	67937	1482.88 ug/L	98
68) Cyclohexane	10.254	84	69403	23.43 ug/L	92
69) carbon tetrachloride	10.385	117	65862	23.53 ug/L	98
70) 1,1-dichloropropene	10.364	75	59781	21.29 ug/L	99
71) hexane	8.554	57	59973	24.63 ug/L	99
72) benzene	10.631	78	176183	20.05 ug/L	99
73) heptane	10.756	57	33761	26.27 ug/L	98
74) isopropyl acetate	10.526	43	79008	20.66 ug/L	100
75) 1,2-dichloroethane	10.657	62	58711	22.99 ug/L	99
78) trichloroethene	11.337	95	46254	21.10 ug/L	98
79) methylcyclohexane	11.546	83	80584	23.84 ug/L	99
80) 2-nitropropane	12.142	41	17285	24.01 ug/L #	67
81) 2-chloroethyl vinyl ether	12.137	63	136872	103.97 ug/L	99
82) methyl methacrylate	11.588	100	12725	21.48 ug/L	95
83) 1,2-dichloropropane	11.614	63	45919	20.40 ug/L	98
84) propyl acetate	11.624	73	8753	21.02 ug/L	99
85) dibromomethane	11.786	93	28889	20.98 ug/L	96
86) bromodichloromethane	11.912	83	63255	21.90 ug/L	99
87) cis-1,3-dichloropropene	12.377	75	79128	21.40 ug/L	97
89) 4-methyl-2-pentanone	12.466	58	18143	21.69 ug/L #	92
90) toluene	12.749	92	117480	20.35 ug/L	100
91) 3-methyl-1-butanol	12.477	55	43932	529.17 ug/L	99
92) trans-1,3-dichloropropene	12.968	75	73622	21.67 ug/L	98
93) ethyl methacrylate	12.932	69	59231	20.70 ug/L	99
94) 1,1,2-trichloroethane	13.204	83	36034	20.36 ug/L	96
95) 2-hexanone	13.371	58	18473	18.89 ug/L	97
97) cyclohexanone	15.573	55	14649	49.30 ug/L	98
98) tetrachloroethene	13.376	164	43955	16.29 ug/L	98
99) 1,3-dichloropropane	13.402	76	70163	20.80 ug/L	98
100) butyl acetate	13.429	56	29822	20.84 ug/L	97
101) dibromochloromethane	13.690	129	54893	21.70 ug/L	98
102) 1,2-dibromoethane	13.857	107	45159	21.49 ug/L	99
103) 3,3-dimethyl-1-Butanol	13.554	57	45938	254.53 ug/L	99
104) n-butyl ether	14.208	57	206127	20.11 ug/L	100
105) chlorobenzene	14.349	112	135004	19.71 ug/L	98
106) 1,1,1,2-tetrachloroethane	14.412	131	51044	21.25 ug/L	99
107) ethylbenzene	14.396	91	230809	20.44 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199954.D
Acq On : 22 Oct 2015 7:06 pm
Operator : NicoleH1
Sample : IC9209-20
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 23 08:42:03 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
108) m,p-xylene	14.506	106	179040	40.41 ug/L	96
109) o-xylene	14.977	106	89220	20.78 ug/L	96
110) styrene	14.987	104	152888	20.81 ug/L	94
111) bromoform	15.306	173	39083	21.53 ug/L	99
113) isopropylbenzene	15.348	105	236464	20.67 ug/L	98
115) bromobenzene	15.814	156	62711	20.05 ug/L	89
116) 1,1,2,2-tetrachloroethane	15.709	83	58279	22.23 ug/L	98
117) trans-1,4-dichloro-2-b...	15.751	53	15668	23.12 ug/L	96
118) 1,2,3-trichloropropane	15.798	110	15699	21.63 ug/L	95
119) n-propylbenzene	15.803	91	269268	21.21 ug/L	99
120) 2-chlorotoluene	15.981	126	56643	21.48 ug/L	93
121) 4-chlorotoluene	16.091	91	167116	21.10 ug/L	98
123) 1,3,5-trimethylbenzene	15.965	105	193901	21.82 ug/L	99
124) tert-butylbenzene	16.357	119	172855	21.86 ug/L	97
125) pentachloroethane	16.473	167	38451	27.85 ug/L	98
126) 1,2,4-trimethylbenzene	16.410	105	189993	21.98 ug/L	98
128) sec-butylbenzene	16.598	105	246657	21.58 ug/L	98
129) 1,3-dichlorobenzene	16.828	146	111524	20.61 ug/L	98
130) p-isopropyltoluene	16.724	119	207151	21.43 ug/L	99
131) 1,4-dichlorobenzene	16.917	146	110599	20.10 ug/L	98
132) benzyl chloride	17.048	91	111457	23.38 ug/L	97
133) 1,2-dichlorobenzene	17.362	146	102463	19.68 ug/L	99
135) n-butylbenzene	17.184	92	96722	21.54 ug/L	96
137) 1,2-dibromo-3-chloropr...	18.219	157	11113	20.69 ug/L	91
138) 1,3,5-trichlorobenzene	18.402	180	82718	20.50 ug/L	99
139) 1,2,4-trichlorobenzene	19.140	180	63777	22.18 ug/L	98
140) hexachlorobutadiene	19.250	225	41686	22.53 ug/L	98
141) naphthalene	19.469	128	123014	27.20 ug/L	99
143) 1,2,3-trichlorobenzene	19.747	180	47793	44.96 ug/L	96
144) hexachloroethane	17.639	201	37477	21.03 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.7

7

Quantitation Report (QT Reviewed)

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Data Path : C:\msdchem\1\DATA\
Data File : u199954.D
Acq On    : 22 Oct 2015   7:06 pm
Operator  : NicoleH1
Sample    : IC9209-20
Misc      : ms93099,vu9209,5.0,,,,1
ALS Vial  : 8   Sample Multiplier: 1

Quant Time: Oct 23 08:42:03 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title  : SW-846  8260B, ZB624  60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration
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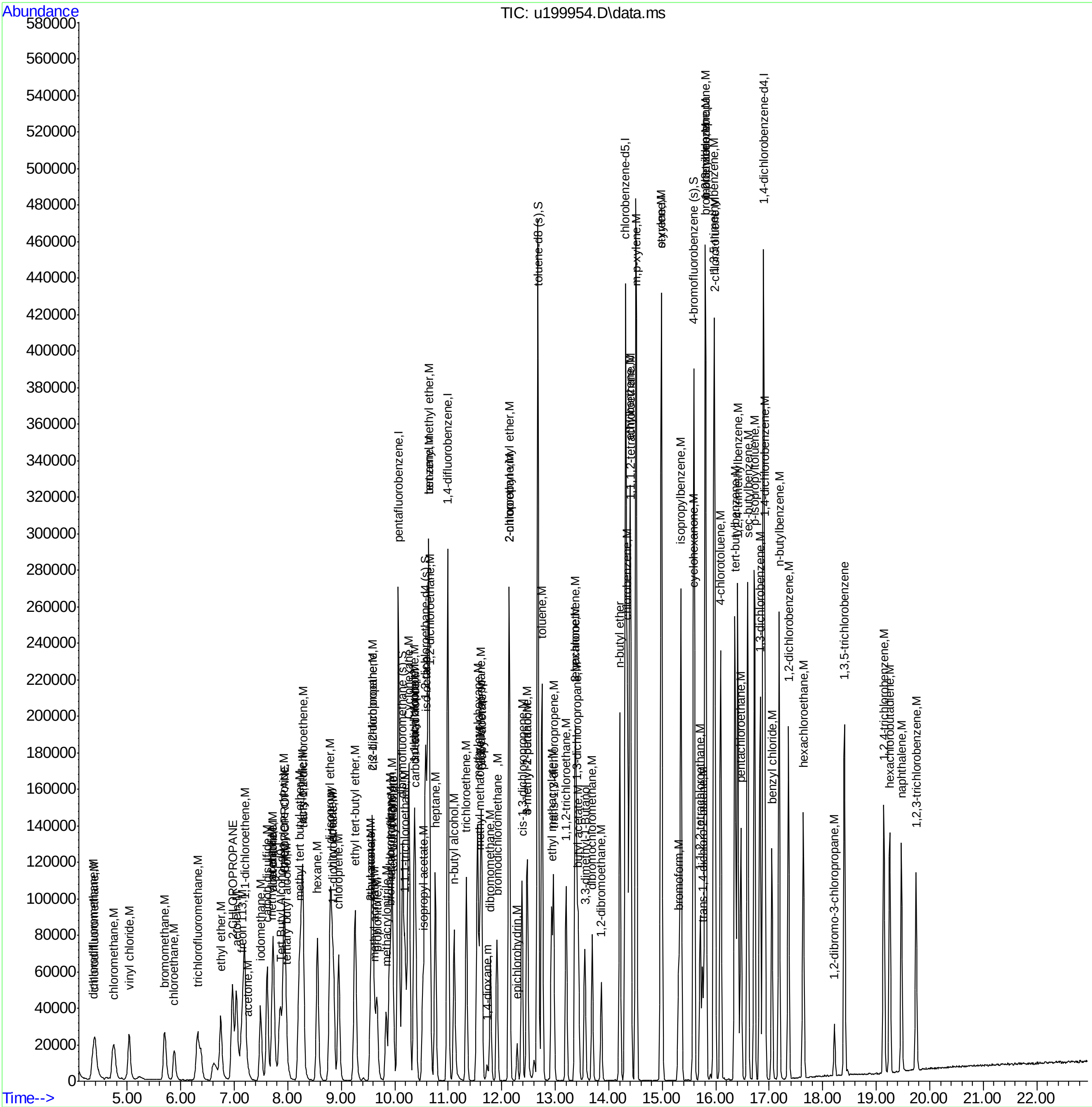


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199955.D
Acq On : 22 Oct 2015 7:35 pm
Operator : NicoleH1
Sample : ICC9209-50
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 23 08:42:47 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.854	65	104641	500.00	ug/L	0.00
5) pentafluorobenzene	10.067	168	261536	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.987	114	311297	50.00	ug/L	0.00
96) chlorobenzene-d5	14.314	117	294744	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.892	152	145360	50.00	ug/L	0.00

System Monitoring Compounds						
56) dibromofluoromethane (s)	10.145	113	97772	52.57	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 105.14%			
57) 1,2-dichloroethane-d4 (s)	10.569	65	108820	58.14	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 116.28%			
88) toluene-d8 (s)	12.671	98	390801	51.00	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 102.00%			
114) 4-bromofluorobenzene (s)	15.590	95	151348	52.02	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.04%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.970	59	61097	261.76	ug/L #	49
4) 1,4-dioxane	11.725	88	25957	1551.06	ug/L	94
11) chlorodifluoromethane	4.392	51	112591	67.11	ug/L	96
12) dichlorodifluoromethane	4.356	85	136095	61.56	ug/L	97
15) chloromethane	4.774	50	141785	47.22	ug/L	98
16) vinyl chloride	5.035	62	133916	50.58	ug/L	99
18) bromomethane	5.700	94	89977	50.93	ug/L	99
19) chloroethane	5.872	64	71183	55.10	ug/L	99
20) trichlorofluoromethane	6.312	101	178533	60.21	ug/L	98
23) ethyl ether	6.746	74	59391	52.77	ug/L	92
24) 2-CHLOROPROPANE	6.965	43	193255	55.40	ug/L	96
27) acrolein	7.039	56	191203	469.38	ug/L	99
28) 1,1-dichloroethene	7.190	96	99905	52.85	ug/L	96
29) acetone	7.253	58	8783	35.31	ug/L	90
30) allyl chloride	7.729	76	57524	52.93	ug/L	95
31) acetonitrile	7.719	40	82553	544.38	ug/L #	89
32) iodomethane	7.488	142	192572	53.17	ug/L	96
33) carbon disulfide	7.609	76	352508	52.57	ug/L	98
34) 1-CHLOROPROPANE	7.954	63	8798	52.05	ug/L	83
35) methylene chloride	7.923	84	113031	53.01	ug/L	100
36) methyl acetate	7.698	43	76070	55.14	ug/L	99
37) methyl tert butyl ether	8.215	73	328303	56.68	ug/L	99
38) trans-1,2-dichloroethene	8.283	96	109306	53.24	ug/L	95
39) di-isopropyl ether	8.791	45	337536	52.13	ug/L	99
40) ethyl tert-butyl ether	9.256	59	345937	54.79	ug/L	99
41) 2-butanone	9.544	72	12533	44.62	ug/L #	70
42) 1,1-dichloroethane	8.853	63	194527	53.96	ug/L	99
43) chloroprene	8.948	53	157738	62.90	ug/L	96
44) acrylonitrile	8.257	53	195510	271.86	ug/L	99
45) vinyl acetate	8.817	86	20123	54.63	ug/L #	87
46) ethyl acetate	9.544	45	15488	54.20	ug/L	83
47) 2,2-dichloropropane	9.580	77	164608	58.49	ug/L	97
48) cis-1,2-dichloroethene	9.580	96	121143	53.08	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199955.D
Acq On : 22 Oct 2015 7:35 pm
Operator : NicoleH1
Sample : ICC9209-50
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 23 08:42:47 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
49) methyl acrylate	9.633	85	16715	54.03 ug/L	94
50) propionitrile	9.664	54	153587	578.34 ug/L	99
51) bromochloromethane	9.894	128	60870	51.29 ug/L	97
52) tetrahydrofuran	9.926	42	36455	57.38 ug/L	99
53) chloroform	9.941	83	191670	55.02 ug/L	98
54) tert-butyl Formate	9.962	59	97848	59.43 ug/L	97
55) iso-butyl alcohol	10.360	43	49518	623.29 ug/L	97
58) freon 113	7.148	151	85472	64.76 ug/L	98
59) methacrylonitrile	9.832	41	63349	51.80 ug/L	93
60) 1,1,1-trichloroethane	10.187	97	173435	57.14 ug/L	98
62) tert-amyl methyl ether	10.637	87	78601	55.72 ug/L	96
63) iso-octane	10.595	57	432311	66.07 ug/L	99
66) epichlorohydrin	12.284	57	55756	283.05 ug/L	100
67) n-butyl alcohol	11.102	56	170567	3778.06 ug/L	98
68) Cyclohexane	10.250	84	173351	59.38 ug/L #	81
69) carbon tetrachloride	10.391	117	162358	58.86 ug/L	98
70) 1,1-dichloropropene	10.360	75	149903	54.18 ug/L	99
71) hexane	8.550	57	153407	63.93 ug/L	99
72) benzene	10.632	78	432219	49.92 ug/L	99
73) heptane	10.752	57	86890	68.61 ug/L	99
74) isopropyl acetate	10.522	43	196136	52.05 ug/L	100
75) 1,2-dichloroethane	10.653	62	142917	56.79 ug/L	99
78) trichloroethene	11.333	95	116274	53.82 ug/L	93
79) methylcyclohexane	11.542	83	204781	61.47 ug/L	97
80) 2-nitropropane	12.138	41	42840	60.38 ug/L #	73
81) 2-chloroethyl vinyl ether	12.138	63	346851	267.36 ug/L	100
82) methyl methacrylate	11.589	100	31162	53.38 ug/L	92
83) 1,2-dichloropropane	11.615	63	112179	50.57 ug/L	93
84) propyl acetate	11.625	73	21286	51.87 ug/L	99
85) dibromomethane	11.788	93	70772	52.15 ug/L	95
86) bromodichloromethane	11.908	83	157984	55.51 ug/L	99
87) cis-1,3-dichloropropene	12.373	75	195126	53.55 ug/L	96
89) 4-methyl-2-pentanone	12.462	58	43223	52.44 ug/L #	87
90) toluene	12.750	92	293813	51.64 ug/L	100
91) 3-methyl-1-butanol	12.478	55	112364	1373.47 ug/L	97
92) trans-1,3-dichloropropene	12.964	75	183893	54.94 ug/L	97
93) ethyl methacrylate	12.928	69	147106	52.17 ug/L	97
94) 1,1,2-trichloroethane	13.205	83	88781	50.91 ug/L	96
95) 2-hexanone	13.367	58	45211	46.92 ug/L	97
97) cyclohexanone	15.574	55	36344	122.83 ug/L	100
98) tetrachloroethene	13.372	164	108829	40.52 ug/L	97
99) 1,3-dichloropropane	13.398	76	173156	51.55 ug/L	99
100) butyl acetate	13.430	56	74330	52.17 ug/L	98
101) dibromochloromethane	13.691	129	137266	54.50 ug/L	99
102) 1,2-dibromoethane	13.859	107	111309	53.20 ug/L	99
103) 3,3-dimethyl-1-Butanol	13.550	57	121631	676.82 ug/L	100
104) n-butyl ether	14.204	57	521970	51.15 ug/L	100
105) chlorobenzene	14.350	112	337016	49.42 ug/L	97
106) 1,1,1,2-tetrachloroethane	14.413	131	127350	53.24 ug/L	98
107) ethylbenzene	14.392	91	574909	51.12 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199955.D
Acq On : 22 Oct 2015 7:35 pm
Operator : NicoleH1
Sample : ICC9209-50
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 23 08:42:47 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
108) m,p-xylene	14.507	106	447461	101.42 ug/L	96
109) o-xylene	14.978	106	223334	52.25 ug/L	95
110) styrene	14.988	104	384430	52.54 ug/L	95
111) bromoform	15.307	173	98815	54.67 ug/L	98
113) isopropylbenzene	15.349	105	594725	50.86 ug/L	99
115) bromobenzene	15.815	156	156055	48.83 ug/L	90
116) 1,1,2,2-tetrachloroethane	15.710	83	145364	54.26 ug/L	98
117) trans-1,4-dichloro-2-b...	15.752	53	40751	58.84 ug/L	94
118) 1,2,3-trichloropropane	15.799	110	38955	52.53 ug/L	98
119) n-propylbenzene	15.804	91	672733	51.87 ug/L	100
120) 2-chlorotoluene	15.982	126	140360	52.08 ug/L	88
121) 4-chlorotoluene	16.092	91	421362	52.07 ug/L	98
123) 1,3,5-trimethylbenzene	15.966	105	489594	53.90 ug/L	98
124) tert-butylbenzene	16.359	119	432771	53.55 ug/L	97
125) pentachloroethane	16.469	167	97303	68.98 ug/L	99
126) 1,2,4-trimethylbenzene	16.411	105	483133	54.70 ug/L	99
128) sec-butylbenzene	16.594	105	630499	53.97 ug/L	98
129) 1,3-dichlorobenzene	16.824	146	287296	51.95 ug/L	98
130) p-isopropyltoluene	16.725	119	534258	54.10 ug/L	98
131) 1,4-dichlorobenzene	16.918	146	285109	50.72 ug/L	98
132) benzyl chloride	17.049	91	292542	60.05 ug/L	100
133) 1,2-dichlorobenzene	17.358	146	261963	49.23 ug/L	99
135) n-butylbenzene	17.185	92	254113	55.38 ug/L	98
137) 1,2-dibromo-3-chloropr...	18.221	157	28740	52.35 ug/L	96
138) 1,3,5-trichlorobenzene	18.404	180	215645	52.29 ug/L	99
139) 1,2,4-trichlorobenzene	19.141	180	173615	59.09 ug/L	99
140) hexachlorobutadiene	19.256	225	108092	57.18 ug/L	99
141) naphthalene	19.471	128	336788	72.88 ug/L	99
143) 1,2,3-trichlorobenzene	19.748	180	132145	121.64 ug/L	99
144) hexachloroethane	17.640	201	97366	53.47 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

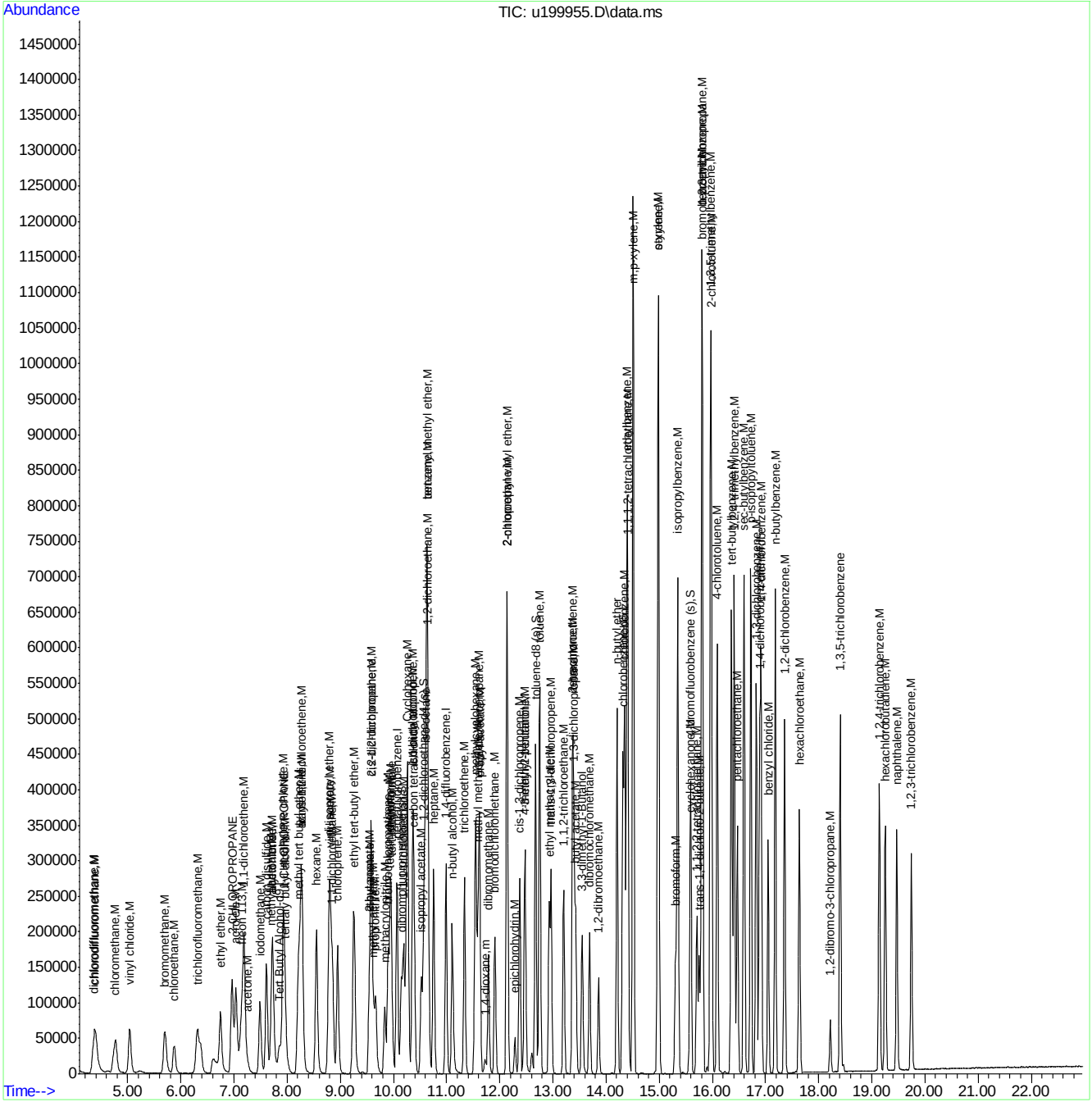
7.7.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199955.D
Acq On : 22 Oct 2015 7:35 pm
Operator : NicoleH1
Sample : ICC9209-50
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 23 08:42:47 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199956.D
Acq On : 22 Oct 2015 8:04 pm
Operator : NicoleH1
Sample : IC9209-100
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 23 08:43:28 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.864	65	105534	500.00	ug/L	0.00
5) pentafluorobenzene	10.066	168	266535	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.992	114	319658	50.00	ug/L	0.00
96) chlorobenzene-d5	14.313	117	300350	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.892	152	148022	50.00	ug/L	0.00

System Monitoring Compounds

56) dibromofluoromethane (s)	10.145	113	100246	52.89	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 105.78%			
57) 1,2-dichloroethane-d4 (s)	10.568	65	112221	58.83	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 117.66%			
88) toluene-d8 (s)	12.671	98	405220	51.50	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 103.00%			
114) 4-bromofluorobenzene (s)	15.589	95	153617	51.85	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.70%			

Target Compounds

						Qvalue
2) tertiary butyl alcohol	7.985	59	124294	528.01	ug/L #	33
4) 1,4-dioxane	11.724	88	53330	3159.78	ug/L	94
11) chlorodifluoromethane	4.386	51	221108	129.32	ug/L	98
12) dichlorodifluoromethane	4.360	85	267566	118.76	ug/L	98
15) chloromethane	4.773	50	279596	91.37	ug/L	98
16) vinyl chloride	5.045	62	262247	97.20	ug/L	98
18) bromomethane	5.694	94	166155	92.29	ug/L	99
19) chloroethane	5.861	64	142913	108.54	ug/L	99
20) trichlorofluoromethane	6.306	101	353934	117.13	ug/L	99
23) ethyl ether	6.750	74	122690	106.96	ug/L	91
24) 2-CHLOROPROPANE	6.965	43	388509	109.28	ug/L	96
27) acrolein	7.038	56	395648	953.05	ug/L	99
28) 1,1-dichloroethene	7.190	96	200240	103.94	ug/L	95
29) acetone	7.252	58	18128	71.51	ug/L	94
30) allyl chloride	7.723	76	119707	108.08	ug/L	95
31) acetonitrile	7.718	40	167249	1082.22	ug/L	95
32) iodomethane	7.488	142	391204	105.98	ug/L	95
33) carbon disulfide	7.608	76	708651	103.70	ug/L	98
34) 1-CHLOROPROPANE	7.943	63	18218	105.75	ug/L	88
35) methylene chloride	7.922	84	229959	105.82	ug/L	100
36) methyl acetate	7.697	43	154393	109.80	ug/L	100
37) methyl tert butyl ether	8.220	73	669949	113.49	ug/L	99
38) trans-1,2-dichloroethene	8.283	96	221497	105.87	ug/L	93
39) di-isopropyl ether	8.790	45	688111	104.27	ug/L	97
40) ethyl tert-butyl ether	9.256	59	707686	109.98	ug/L	99
41) 2-butanone	9.543	72	25810	90.16	ug/L #	72
42) 1,1-dichloroethane	8.853	63	394921	107.49	ug/L	100
43) chloroprene	8.947	53	321569	125.82	ug/L	96
44) acrylonitrile	8.257	53	399494	545.08	ug/L	98
45) vinyl acetate	8.822	86	43039	114.65	ug/L #	91
46) ethyl acetate	9.538	45	31949	109.70	ug/L	79
47) 2,2-dichloropropane	9.580	77	328525	114.54	ug/L	97
48) cis-1,2-dichloroethene	9.585	96	246252	105.87	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199956.D
Acq On : 22 Oct 2015 8:04 pm
Operator : NicoleH1
Sample : IC9209-100
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 23 08:43:28 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) methyl acrylate	9.627	85	34572	109.65	ug/L		95
50) propionitrile	9.664	54	312664	1155.27	ug/L		99
51) bromochloromethane	9.899	128	124431	102.89	ug/L		98
52) tetrahydrofuran	9.925	42	73391	113.36	ug/L		100
53) chloroform	9.946	83	388932	109.54	ug/L		99
54) tert-butyl Formate	9.967	59	202460	120.67	ug/L		98
55) iso-butyl alcohol	10.359	43	98657	1218.52	ug/L		98
58) freon 113	7.153	151	166884	124.07	ug/L		97
59) methacrylonitrile	9.836	41	130087	104.37	ug/L		96
60) 1,1,1-trichloroethane	10.187	97	349371	112.95	ug/L		99
62) tert-amyl methyl ether	10.636	87	163800	113.93	ug/L		95
63) iso-octane	10.595	57	861868	129.25	ug/L		99
66) epichlorohydrin	12.284	57	113310	560.18	ug/L		99
67) n-butyl alcohol	11.107	56	339742	7328.45	ug/L		97
68) Cyclohexane	10.249	84	345204	115.16	ug/L	#	81
69) carbon tetrachloride	10.385	117	326507	115.27	ug/L		99
70) 1,1-dichloropropene	10.359	75	300881	105.91	ug/L		99
71) hexane	8.550	57	305501	123.99	ug/L		98
72) benzene	10.631	78	875167	98.43	ug/L		99
73) heptane	10.757	57	171905	132.18	ug/L		96
74) isopropyl acetate	10.521	43	401135	103.67	ug/L		100
75) 1,2-dichloroethane	10.657	62	291947	112.97	ug/L		99
78) trichloroethene	11.337	95	233440	105.23	ug/L		96
79) methylcyclohexane	11.546	83	415231	121.39	ug/L		98
80) 2-nitropropane	12.143	41	88235	121.10	ug/L	#	63
81) 2-chloroethyl vinyl ether	12.137	63	712625	534.94	ug/L		99
82) methyl methacrylate	11.588	100	64281	107.24	ug/L		92
83) 1,2-dichloropropane	11.614	63	227816	100.02	ug/L		94
84) propyl acetate	11.620	73	42925	101.86	ug/L		92
85) dibromomethane	11.787	93	145860	104.66	ug/L		96
86) bromodichloromethane	11.907	83	324692	111.10	ug/L		98
87) cis-1,3-dichloropropene	12.373	75	405286	108.32	ug/L		95
89) 4-methyl-2-pentanone	12.462	58	88847	104.97	ug/L	#	91
90) toluene	12.749	92	597234	102.23	ug/L		99
91) 3-methyl-1-butanol	12.477	55	218283	2598.38	ug/L		97
92) trans-1,3-dichloropropene	12.969	75	378631	110.16	ug/L		98
93) ethyl methacrylate	12.932	69	306188	105.74	ug/L		99
94) 1,1,2-trichloroethane	13.204	83	182943	102.15	ug/L		99
95) 2-hexanone	13.367	58	92661	93.65	ug/L		100
97) cyclohexanone	15.574	55	71406	236.83	ug/L		97
98) tetrachloroethene	13.372	164	221456	80.91	ug/L		99
99) 1,3-dichloropropane	13.398	76	353901	103.39	ug/L		99
100) butyl acetate	13.429	56	152033	104.71	ug/L		97
101) dibromochloromethane	13.691	129	283152	110.32	ug/L		98
102) 1,2-dibromoethane	13.858	107	229331	107.57	ug/L		98
103) 3,3-dimethyl-1-Butanol	13.550	57	233633	1275.80	ug/L		99
104) n-butyl ether	14.209	57	1065243	102.44	ug/L		100
105) chlorobenzene	14.350	112	683960	98.43	ug/L		97
106) 1,1,1,2-tetrachloroethane	14.413	131	257227	105.53	ug/L		98
107) ethylbenzene	14.397	91	1161829	101.38	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199956.D
Acq On : 22 Oct 2015 8:04 pm
Operator : NicoleH1
Sample : IC9209-100
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 23 08:43:28 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
108) m,p-xylene	14.507	106	896966	199.50 ug/L	95
109) o-xylene	14.977	106	446376	102.47 ug/L	95
110) styrene	14.988	104	775979	104.08 ug/L	94
111) bromoform	15.307	173	203722	110.61 ug/L	99
113) isopropylbenzene	15.349	105	1185760	99.59 ug/L	98
115) bromobenzene	15.814	156	310422	95.39 ug/L	89
116) 1,1,2,2-tetrachloroethane	15.710	83	291116	106.72 ug/L	100
117) trans-1,4-dichloro-2-b...	15.751	53	83381	118.23 ug/L	96
118) 1,2,3-trichloropropane	15.799	110	78137	103.47 ug/L	98
119) n-propylbenzene	15.804	91	1332546	100.89 ug/L	99
120) 2-chlorotoluene	15.982	126	276878	100.88 ug/L	88
121) 4-chlorotoluene	16.091	91	836870	101.56 ug/L	98
123) 1,3,5-trimethylbenzene	15.966	105	961068	103.91 ug/L	98
124) tert-butylbenzene	16.358	119	849375	103.22 ug/L	96
125) pentachloroethane	16.473	167	195855	136.34 ug/L	99
126) 1,2,4-trimethylbenzene	16.410	105	955747	106.27 ug/L	97
128) sec-butylbenzene	16.599	105	1245190	104.67 ug/L	98
129) 1,3-dichlorobenzene	16.829	146	573937	101.91 ug/L	99
130) p-isopropyltoluene	16.724	119	1059919	105.39 ug/L	98
131) 1,4-dichlorobenzene	16.918	146	570900	99.73 ug/L	98
132) benzyl chloride	17.049	91	598132	120.56 ug/L	98
133) 1,2-dichlorobenzene	17.357	146	532448	98.26 ug/L	98
135) n-butylbenzene	17.185	92	507561	108.62 ug/L	98
137) 1,2-dibromo-3-chloropr...	18.220	157	59408	106.27 ug/L	95
138) 1,3,5-trichlorobenzene	18.403	180	439688	104.70 ug/L	99
139) 1,2,4-trichlorobenzene	19.141	180	356309	119.08 ug/L	99
140) hexachlorobutadiene	19.250	225	217784	113.14 ug/L	99
141) naphthalene	19.470	128	693282	147.32 ug/L	100
143) 1,2,3-trichlorobenzene	19.747	180	270789	244.79 ug/L	98
144) hexachloroethane	17.640	201	195282	105.32 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

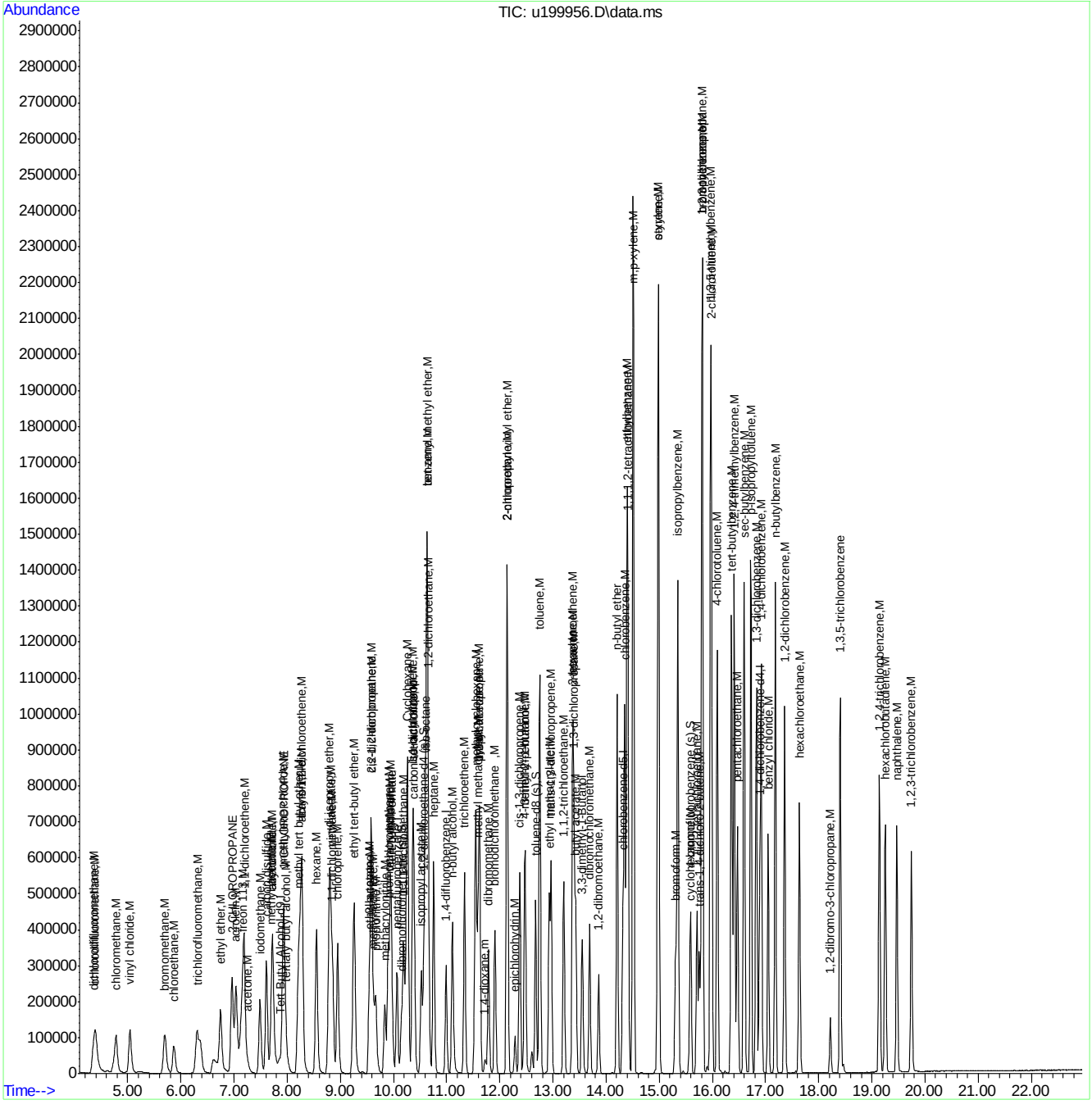
7.7.9

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199956.D
Acq On : 22 Oct 2015 8:04 pm
Operator : NicoleH1
Sample : IC9209-100
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 23 08:43:28 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration



MU9209.M Mon Oct 26 18:04:25 2015 U_CORE

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ACCUTEST LABORATORIES JC10922

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
10/26/15 18:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199957.D
Acq On : 22 Oct 2015 8:33 pm
Operator : NicoleH1
Sample : IC9209-200
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 23 08:44:51 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.870	65	107428	500.00	ug/L	0.00
5) pentafluorobenzene	10.067	168	272161	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.988	114	323898	50.00	ug/L	0.00
96) chlorobenzene-d5	14.314	117	300449	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.892	152	149781	50.00	ug/L	0.00

System Monitoring Compounds						
56) dibromofluoromethane (s)	10.146	113	100632	52.00	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 104.00%			
57) 1,2-dichloroethane-d4 (s)	10.569	65	114145	58.60	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 117.20%			
88) toluene-d8 (s)	12.672	98	406524	50.99	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 101.98%			
114) 4-bromofluorobenzene (s)	15.590	95	150452	50.19	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.38%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.985	59	238573	995.61	ug/L #	33
4) 1,4-dioxane	11.720	88	104257	6068.27	ug/L	94
11) chlorodifluoromethane	4.387	51	439230	251.58	ug/L	96
12) dichlorodifluoromethane	4.351	85	497230	216.14	ug/L	99
15) chloromethane	4.779	50	546834	175.00	ug/L	99
16) vinyl chloride	5.046	62	511224	185.57	ug/L	99
18) bromomethane	5.689	94	269850	146.78	ug/L	98
19) chloroethane	5.857	64	254391	189.21	ug/L	99
20) trichlorofluoromethane	6.291	101	678102	219.77	ug/L	98
23) ethyl ether	6.746	74	241835	206.47	ug/L	88
24) 2-CHLOROPROPANE	6.955	43	765705	210.92	ug/L	97
27) acrolein	7.034	56	762875	1799.65	ug/L	100
28) 1,1-dichloroethene	7.185	96	395083	200.85	ug/L	96
29) acetone	7.253	58	35391	136.73	ug/L	92
30) allyl chloride	7.724	76	241693	213.71	ug/L	96
31) acetonitrile	7.713	40	323078	2047.32	ug/L	93
32) iodomethane	7.483	142	771397	204.66	ug/L	96
33) carbon disulfide	7.604	76	1398119	200.37	ug/L	99
34) 1-CHLOROPROPANE	7.944	63	36160	205.56	ug/L	92
35) methylene chloride	7.917	84	451647	203.54	ug/L	100
36) methyl acetate	7.698	43	297946	207.52	ug/L	99
37) methyl tert butyl ether	8.216	73	1313163	217.86	ug/L	100
38) trans-1,2-dichloroethene	8.278	96	436105	204.14	ug/L	97
39) di-isopropyl ether	8.791	45	1341788	199.12	ug/L	95
40) ethyl tert-butyl ether	9.256	59	1396928	212.60	ug/L	99
41) 2-butanone	9.539	72	50746	173.61	ug/L #	73
42) 1,1-dichloroethane	8.848	63	774362	206.41	ug/L	100
43) chloroprene	8.948	53	637380	244.23	ug/L	96
44) acrylonitrile	8.257	53	775205	1035.84	ug/L	99
45) vinyl acetate	8.817	86	84101	219.39	ug/L #	88
46) ethyl acetate	9.539	45	62645	210.65	ug/L	83
47) 2,2-dichloropropane	9.581	77	639802	218.45	ug/L	98
48) cis-1,2-dichloroethene	9.581	96	483050	203.38	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199957.D
Acq On : 22 Oct 2015 8:33 pm
Operator : NicoleH1
Sample : IC9209-200
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 23 08:44:51 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
49) methyl acrylate	9.628	85	68685	213.35 ug/L #	90
50) propionitrile	9.664	54	614320	2222.95 ug/L	98
51) bromochloromethane	9.894	128	244722	198.17 ug/L	100
52) tetrahydrofuran	9.926	42	142009	214.81 ug/L	100
53) chloroform	9.942	83	763770	210.67 ug/L	99
54) tert-butyl Formate	9.968	59	399215	233.02 ug/L	97
55) iso-butyl alcohol	10.360	43	185562	2244.52 ug/L	97
58) freon 113	7.154	151	312065	227.20 ug/L	95
59) methacrylonitrile	9.837	41	254441	199.92 ug/L	96
60) 1,1,1-trichloroethane	10.187	97	688165	217.88 ug/L	98
62) tert-amyl methyl ether	10.637	87	313189	213.33 ug/L	95
63) iso-octane	10.595	57	1532600	225.08 ug/L	99
66) epichlorohydrin	12.285	57	226168	1103.49 ug/L	99
67) n-butyl alcohol	11.108	56	653161	13904.67 ug/L	97
68) Cyclohexane	10.250	84	651580	214.51 ug/L	85
69) carbon tetrachloride	10.386	117	640519	223.17 ug/L	99
70) 1,1-dichloropropene	10.360	75	597217	207.47 ug/L	99
71) hexane	8.550	57	560651	224.56 ug/L	99
72) benzene	10.632	78	1692588	187.87 ug/L	99
73) heptane	10.757	57	314344	238.54 ug/L	97
74) isopropyl acetate	10.522	43	781557	199.33 ug/L	100
75) 1,2-dichloroethane	10.653	62	568284	217.02 ug/L	98
78) trichloroethene	11.333	95	468958	208.63 ug/L	94
79) methylcyclohexane	11.542	83	765001	220.71 ug/L	97
80) 2-nitropropane	12.138	41	172016	232.99 ug/L #	76
81) 2-chloroethyl vinyl ether	12.138	63	1375409	1018.96 ug/L	100
82) methyl methacrylate	11.589	100	126804	208.78 ug/L #	90
83) 1,2-dichloropropane	11.615	63	447144	193.74 ug/L	94
84) propyl acetate	11.626	73	82777	193.86 ug/L	92
85) dibromomethane	11.788	93	287320	203.47 ug/L	97
86) bromodichloromethane	11.908	83	641360	216.58 ug/L	98
87) cis-1,3-dichloropropene	12.374	75	801759	211.49 ug/L	97
89) 4-methyl-2-pentanone	12.462	58	171833	200.36 ug/L	93
90) toluene	12.750	92	1177328	198.89 ug/L	99
91) 3-methyl-1-butanol	12.478	55	412659	4847.87 ug/L	97
92) trans-1,3-dichloropropene	12.965	75	745316	214.00 ug/L	96
93) ethyl methacrylate	12.933	69	607105	206.92 ug/L	98
94) 1,1,2-trichloroethane	13.205	83	360548	198.69 ug/L	99
95) 2-hexanone	13.367	58	178717	178.26 ug/L	99
97) cyclohexanone	15.574	55	137847	457.05 ug/L	99
98) tetrachloroethene	13.372	164	435014	158.87 ug/L	98
99) 1,3-dichloropropane	13.399	76	692526	202.25 ug/L	99
100) butyl acetate	13.430	56	295597	203.52 ug/L	99
101) dibromochloromethane	13.692	129	558614	217.58 ug/L	99
102) 1,2-dibromoethane	13.859	107	453617	212.71 ug/L	99
103) 3,3-dimethyl-1-Butanol	13.550	57	433025	2363.84 ug/L	99
104) n-butyl ether	14.209	57	2063394	198.37 ug/L	100
105) chlorobenzene	14.351	112	1344305	193.39 ug/L	98
106) 1,1,1,2-tetrachloroethane	14.413	131	497283	203.94 ug/L	99
107) ethylbenzene	14.398	91	2260552	197.18 ug/L	99

Quantitation Report (QT Reviewed)

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Data File : u199957.D
Acq On : 22 Oct 2015 8:33 pm
Operator : NicoleH1
Sample : IC9209-200
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 23 08:44:51 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
108) m,p-xylene	14.513	106	1713815	381.06 ug/L	96
109) o-xylene	14.978	106	846753	194.33 ug/L	93
110) styrene	14.994	104	1482449	198.76 ug/L	97
111) bromoform	15.308	173	401173	217.75 ug/L	99
113) isopropylbenzene	15.349	105	2283569	189.54 ug/L	98
115) bromobenzene	15.815	156	594500	180.55 ug/L	90
116) 1,1,2,2-tetrachloroethane	15.710	83	560378	203.01 ug/L	99
117) trans-1,4-dichloro-2-b...	15.752	53	162874	228.23 ug/L	95
118) 1,2,3-trichloropropane	15.799	110	147250	192.70 ug/L	98
119) n-propylbenzene	15.805	91	2525746	188.98 ug/L	99
120) 2-chlorotoluene	15.982	126	526455m	189.56 ug/L	
121) 4-chlorotoluene	16.092	91	1618209	194.07 ug/L	98
123) 1,3,5-trimethylbenzene	15.967	105	1832178	195.77 ug/L	98
124) tert-butylbenzene	16.359	119	1624994	195.15 ug/L	95
125) pentachloroethane	16.474	167	381216	262.26 ug/L	99
126) 1,2,4-trimethylbenzene	16.411	105	1848984	203.18 ug/L	98
128) sec-butylbenzene	16.599	105	2400052	199.38 ug/L	98
129) 1,3-dichlorobenzene	16.830	146	1130876	198.45 ug/L	98
130) p-isopropyltoluene	16.725	119	2059121	202.34 ug/L	98
131) 1,4-dichlorobenzene	16.919	146	1131801	195.39 ug/L	98
132) benzyl chloride	17.049	91	1165512	232.17 ug/L	98
133) 1,2-dichlorobenzene	17.358	146	1055311	192.47 ug/L	98
135) n-butylbenzene	17.185	92	999303	211.35 ug/L	99
137) 1,2-dibromo-3-chloropr...	18.221	157	119249	210.81 ug/L	95
138) 1,3,5-trichlorobenzene	18.404	180	863366	203.17 ug/L	99
139) 1,2,4-trichlorobenzene	19.141	180	704966	232.84 ug/L	99
140) hexachlorobutadiene	19.251	225	419913	215.58 ug/L	100
141) naphthalene	19.471	128	1363703	286.37 ug/L	100
143) 1,2,3-trichlorobenzene	19.743	180	520009	464.56 ug/L	99
144) hexachloroethane	17.640	201	384604	204.99 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.10

7

Quantitation Report (QT Reviewed)

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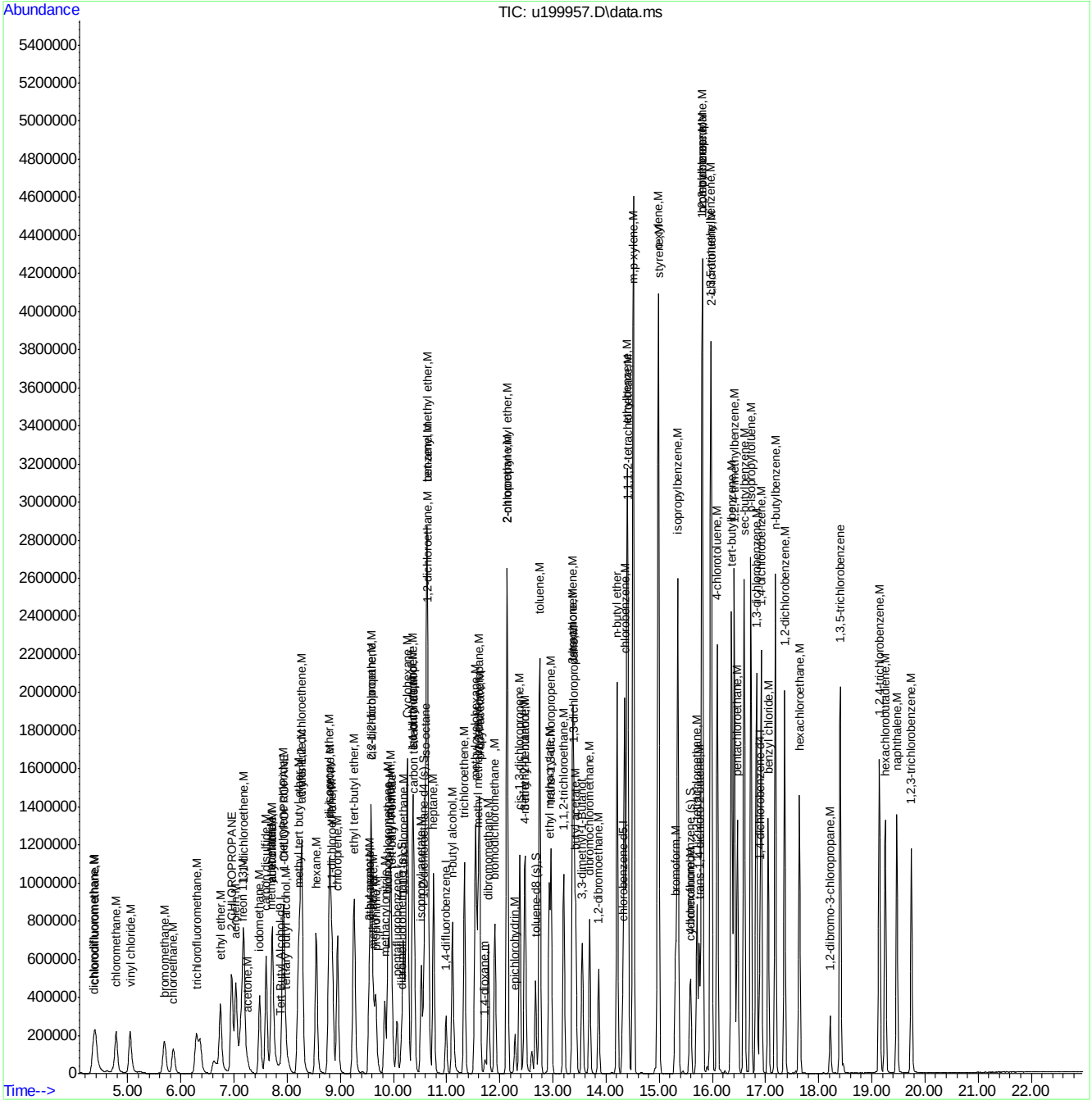
Acq On : 22 Oct 2015 8:33 pm
Operator : NicoleH1
Sample : IC9209-200
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 23 08:44:51 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration



Manual Integration Approval Summary

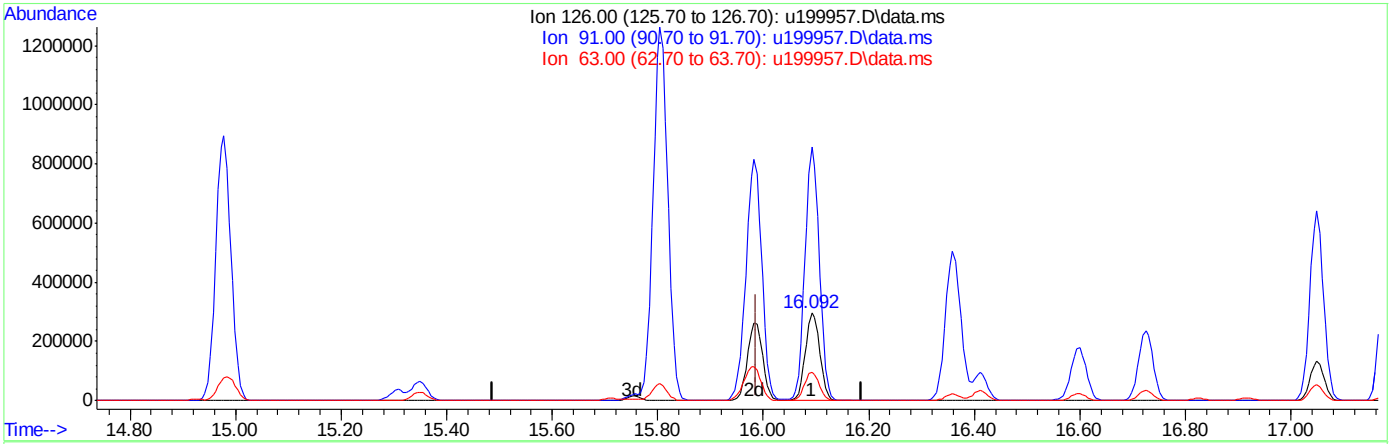
Sample Number:	VU9209-IC9209	**Method:**	SW846 8260C
Lab FileID:	U199957.D	**Analyst approved:**	10/23/15 08:50 Henny Salim
Injection Time:	10/22/15 20:33	**Supervisor approved:**	10/26/15 18:08 Jessica Reitan-Chu

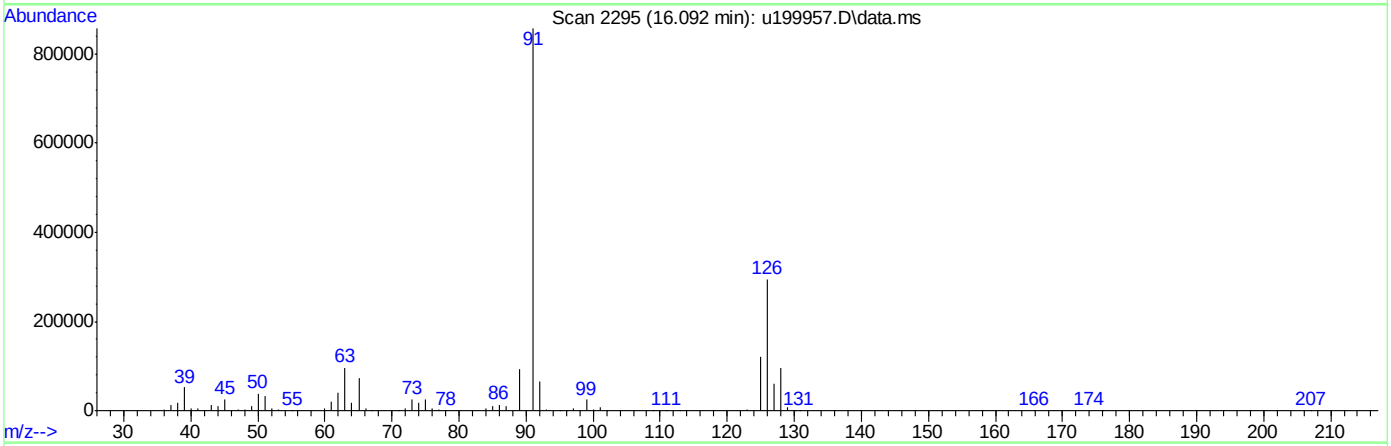
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Chlorotoluene	95-49-8		15.98	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : u199957.D
Acq On : 22 Oct 2015 8:33 pm
Operator : NicoleH1
Sample : IC9209-200
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 23 08:44:10 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration





TIC: u199957.D\data.ms

(120) 2-chlorotoluene (M)

16.092min (+0.105) 202.25ug/L

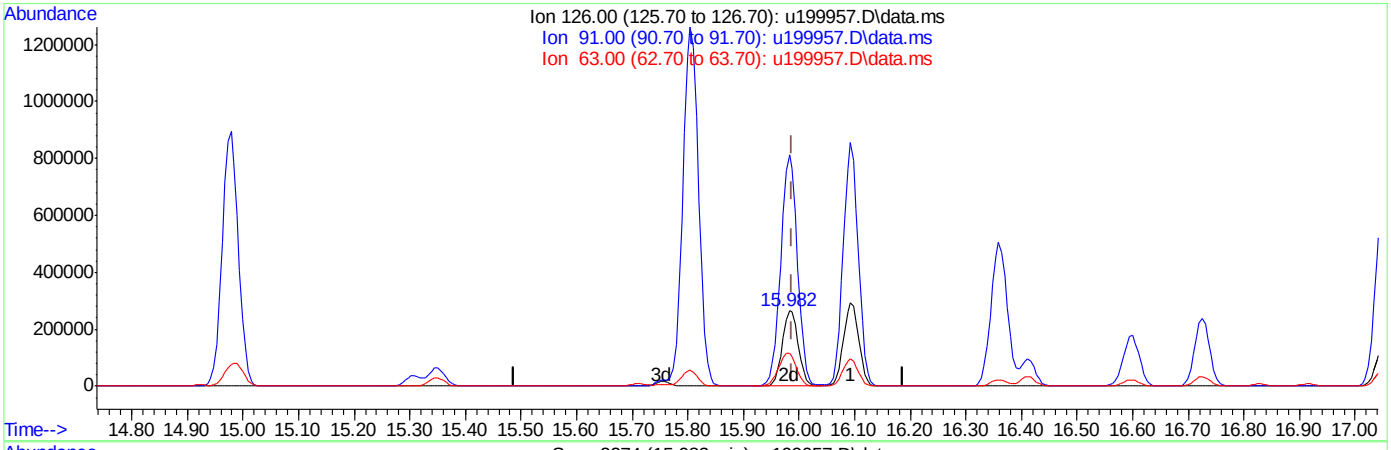
response 561695

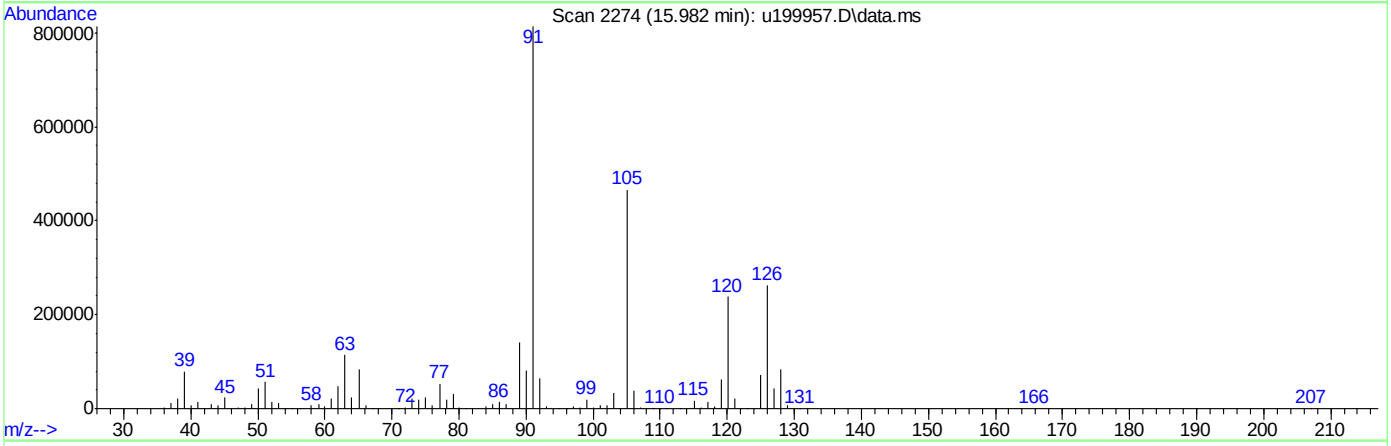
Ion	Exp%	Act%
126.00	100	100
91.00	278.70	291.02
63.00	35.00	32.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : u199957.D
Acq On : 22 Oct 2015 8:33 pm
Operator : NicoleH1
Sample : IC9209-200
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 23 08:44:10 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Thu Oct 15 09:23:25 2015
Response via : Initial Calibration





TIC: u199957.D\data.ms

(120) 2-chlorotoluene (M)

15.982min (-0.005) 189.56ug/L m

response 526455

Ion	Exp%	Act%
126.00	100	100
91.00	278.70	309.01#
63.00	35.00	43.44
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199960.D
Acq On : 22 Oct 2015 10:01 pm
Operator : NicoleH1
Sample : ICV9209-50
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 23 08:48:16 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.865	65	106664	500.00	ug/L	0.01
5) pentafluorobenzene	10.067	168	270060	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.987	114	322482	50.00	ug/L	0.00
96) chlorobenzene-d5	14.314	117	302456	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.892	152	147238	50.00	ug/L	0.00

System Monitoring Compounds

56) dibromofluoromethane (s)	10.145	113	101077	50.40	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 100.80%			
57) 1,2-dichloroethane-d4 (s)	10.569	65	111930	50.37	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 100.74%			
88) toluene-d8 (s)	12.672	98	405057	50.34	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 100.68%			
114) 4-bromofluorobenzene (s)	15.590	95	153477	49.15	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.30%			

Target Compounds

						Qvalue
2) tertiary butyl alcohol	7.975	59	63285	265.22	ug/L	75
4) 1,4-dioxane	11.720	88	24471	1240.91	ug/L	100
11) chlorodifluoromethane	4.392	51	72695	35.20	ug/L	94
12) dichlorodifluoromethane	4.356	85	120604	48.76	ug/L	97
15) chloromethane	4.764	50	137339	46.45	ug/L	99
16) vinyl chloride	5.036	62	129297	49.54	ug/L	99
18) bromomethane	5.695	94	90857	50.43	ug/L	98
19) chloroethane	5.872	64	71777	50.06	ug/L	99
20) trichlorofluoromethane	6.306	101	172203	49.10	ug/L	98
23) ethyl ether	6.741	74	60942	53.75	ug/L	99
24) 2-CHLOROPROPANE	6.965	43	195906	53.60	ug/L	99
27) acrolein	7.033	56	193799	511.96	ug/L	98
28) 1,1-dichloroethene	7.190	96	101547	53.91	ug/L	99
29) acetone	7.248	58	8963	53.11	ug/L	99
30) allyl chloride	7.724	76	59678	54.08	ug/L	98
31) acetonitrile	7.719	40	82724	452.74	ug/L	88
32) iodomethane	7.488	142	195903	53.70	ug/L	99
33) carbon disulfide	7.609	76	354906	52.20	ug/L	100
34) 1-CHLOROPROPANE	7.949	63	8758	50.16	ug/L	98
35) methylene chloride	7.923	84	114693	52.93	ug/L	99
36) methyl acetate	7.698	43	79666	54.83	ug/L	100
37) methyl tert butyl ether	8.215	73	653293	99.69	ug/L	91
38) trans-1,2-dichloroethene	8.283	96	110879	53.77	ug/L	98
39) di-isopropyl ether	8.791	45	344404	50.90	ug/L	97
40) ethyl tert-butyl ether	9.251	59	353520	50.82	ug/L	99
41) 2-butanone	9.539	72	12549	50.33	ug/L	95
42) 1,1-dichloroethane	8.848	63	196812	53.86	ug/L	98
43) chloroprene	8.948	53	189502	64.45	ug/L	99
44) acrylonitrile	8.257	53	201819	272.00	ug/L	99
45) vinyl acetate	8.817	86	20568	50.47	ug/L #	86
46) ethyl acetate	9.544	45	15989	53.68	ug/L	98
47) 2,2-dichloropropane	9.575	77	157677	49.68	ug/L	99
48) cis-1,2-dichloroethene	9.581	96	122504	53.75	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199960.D
Acq On : 22 Oct 2015 10:01 pm
Operator : NicoleH1
Sample : ICV9209-50
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 23 08:48:16 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) methyl acrylate	9.628	85	16932	50.92	ug/L		97
50) propionitrile	9.664	54	154416	508.14	ug/L		98
51) bromochloromethane	9.894	128	61776	53.49	ug/L		97
52) tetrahydrofuran	9.920	42	37534	52.59	ug/L		99
53) chloroform	9.941	83	192870	52.79	ug/L		99
54) tert-butyl Formate	9.968	59	122956	65.16	ug/L		99
55) iso-butyl alcohol	10.360	43	49710	523.11	ug/L		98
58) freon 113	7.149	151	79635	50.98	ug/L		97
59) methacrylonitrile	9.832	41	64062	52.23	ug/L		97
60) 1,1,1-trichloroethane	10.187	97	174639	54.10	ug/L		99
62) tert-amyl methyl ether	10.637	87	81335	52.86	ug/L		99
63) iso-octane	10.590	57	351210	44.07	ug/L		98
66) epichlorohydrin	12.285	57	58285	268.89	ug/L		99
67) n-butyl alcohol	11.108	56	173584	2741.66	ug/L		99
68) Cyclohexane	10.255	84	168027	50.79	ug/L	#	80
69) carbon tetrachloride	10.386	117	162432	53.83	ug/L		97
70) 1,1-dichloropropene	10.360	75	150381	54.40	ug/L		99
71) hexane	8.550	57	105338	38.04	ug/L		98
72) benzene	10.632	78	439096	50.66	ug/L		99
73) heptane	10.757	57	73283	45.93	ug/L		98
74) isopropyl acetate	10.522	43	215236	53.70	ug/L		99
75) 1,2-dichloroethane	10.653	62	143182	51.48	ug/L		100
78) trichloroethene	11.333	95	116501	53.45	ug/L		99
79) methylcyclohexane	11.547	83	180672	47.91	ug/L		96
80) 2-nitropropane	12.138	41	44220	54.00	ug/L	#	89
81) 2-chloroethyl vinyl ether	12.138	63	380789	280.51	ug/L		98
82) methyl methacrylate	11.589	100	31566	52.85	ug/L		98
83) 1,2-dichloropropane	11.615	63	114976	53.00	ug/L		97
84) propyl acetate	11.626	73	22605	53.73	ug/L		88
85) dibromomethane	11.782	93	70739	51.09	ug/L		97
86) bromodichloromethane	11.908	83	158132	52.81	ug/L		98
87) cis-1,3-dichloropropene	12.373	75	196592	51.71	ug/L		99
89) 4-methyl-2-pentanone	12.462	58	44193	52.61	ug/L		98
90) toluene	12.750	92	295999	51.88	ug/L		99
91) 3-methyl-1-butanol	12.478	55	115406	1118.81	ug/L		99
92) trans-1,3-dichloropropene	12.964	75	183683	51.88	ug/L		99
93) ethyl methacrylate	12.928	69	149590	52.79	ug/L		97
94) 1,1,2-trichloroethane	13.200	83	89909	50.52	ug/L		97
95) 2-hexanone	13.367	58	46264	54.93	ug/L		97
97) cyclohexanone	15.574	55	33705	423.72	ug/L		98
98) tetrachloroethene	13.372	164	109703	52.33	ug/L		96
99) 1,3-dichloropropane	13.399	76	174901	50.14	ug/L		100
100) butyl acetate	13.430	56	81337	56.50	ug/L		97
101) dibromochloromethane	13.691	129	137949	52.88	ug/L		100
102) 1,2-dibromoethane	13.859	107	112997	52.33	ug/L		99
103) 3,3-dimethyl-1-Butanol	13.550	57	124451	579.49	ug/L		100
104) n-butyl ether	14.204	57	531385	54.40	ug/L		100
105) chlorobenzene	14.350	112	341977	51.60	ug/L		100
106) 1,1,1,2-tetrachloroethane	14.413	131	128553	52.53	ug/L		96
107) ethylbenzene	14.392	91	581639	51.82	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199960.D
Acq On : 22 Oct 2015 10:01 pm
Operator : NicoleH1
Sample : ICV9209-50
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 23 08:48:16 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

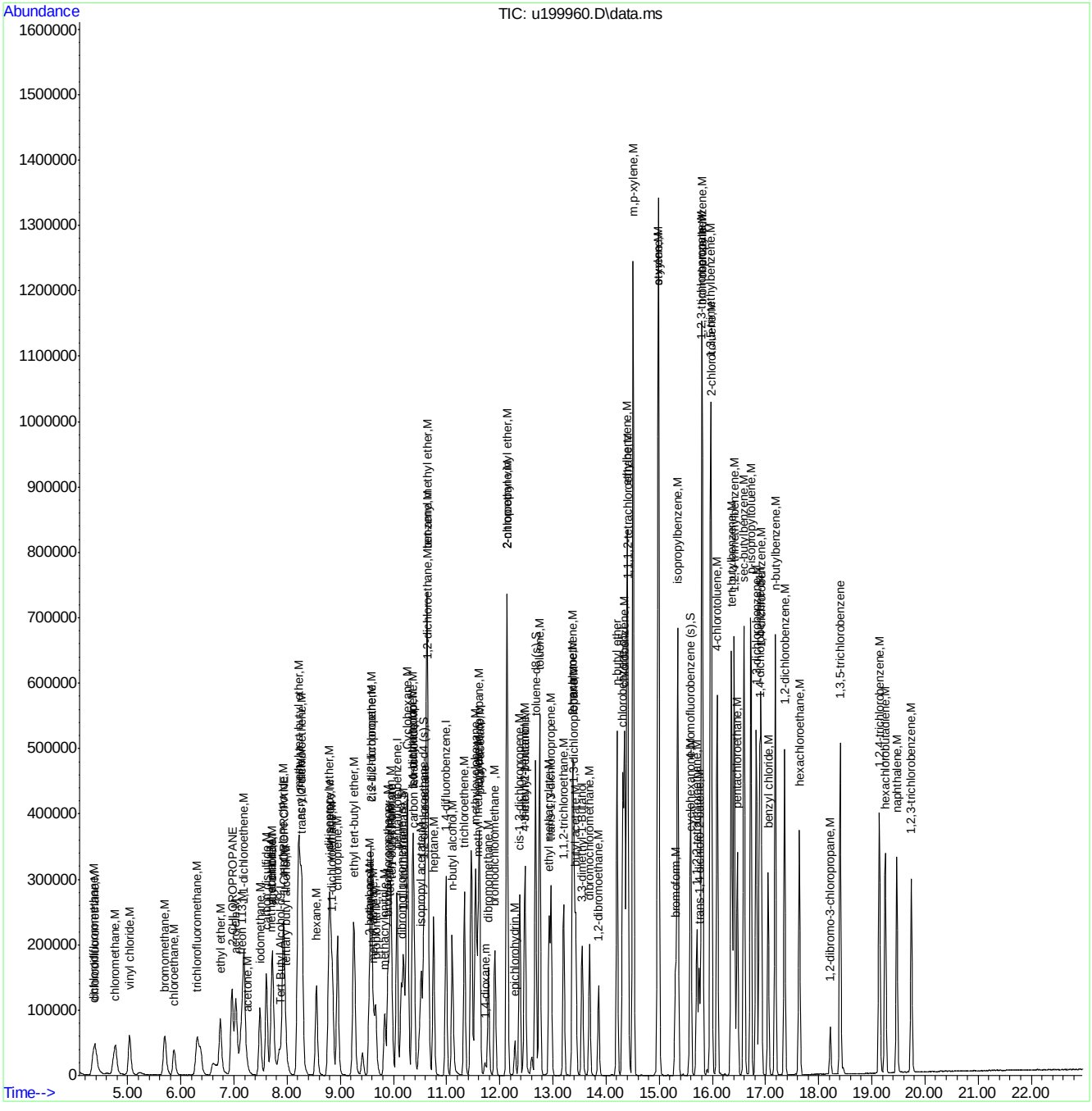
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) m,p-xylene	14.507	106	449791	103.32	ug/L	100
109) o-xylene	14.978	106	222727	52.71	ug/L	99
110) styrene	14.988	104	383446	53.63	ug/L	100
111) bromoform	15.308	173	99208	53.36	ug/L	98
113) isopropylbenzene	15.349	105	594942	51.87	ug/L	100
115) bromobenzene	15.815	156	156497	50.31	ug/L	98
116) 1,1,2,2-tetrachloroethane	15.710	83	142376	48.99	ug/L	99
117) trans-1,4-dichloro-2-b...	15.752	53	39545	51.25	ug/L	100
118) 1,2,3-trichloropropane	15.794	110	39263	51.08	ug/L	98
119) n-propylbenzene	15.804	91	671042	51.46	ug/L	100
120) 2-chlorotoluene	15.982	126	139303	51.39	ug/L	98
121) 4-chlorotoluene	16.092	91	416008	50.16	ug/L	100
123) 1,3,5-trimethylbenzene	15.967	105	484272	51.87	ug/L	98
124) tert-butylbenzene	16.359	119	427842	50.83	ug/L	100
125) pentachloroethane	16.469	167	96923	51.39	ug/L	99
126) 1,2,4-trimethylbenzene	16.411	105	477413	52.04	ug/L	99
128) sec-butylbenzene	16.594	105	622968	52.56	ug/L	100
129) 1,3-dichlorobenzene	16.824	146	283520	51.30	ug/L	99
130) p-isopropyltoluene	16.725	119	524773	52.34	ug/L	100
131) 1,4-dichlorobenzene	16.918	146	281076	50.11	ug/L	100
132) benzyl chloride	17.049	91	277650	45.84	ug/L	99
133) 1,2-dichlorobenzene	17.358	146	261567	51.05	ug/L	99
135) n-butylbenzene	17.185	92	247513	53.57	ug/L	99
137) 1,2-dibromo-3-chloropr...	18.221	157	28624	53.18	ug/L	98
138) 1,3,5-trichlorobenzene	18.404	180	213298	53.06	ug/L	100
139) 1,2,4-trichlorobenzene	19.141	180	170326	54.89	ug/L	99
140) hexachlorobutadiene	19.251	225	106003	54.22	ug/L	99
141) naphthalene	19.471	128	334410	54.74	ug/L	99
143) 1,2,3-trichlorobenzene	19.743	180	130971	50.73	ug/L	99
144) hexachloroethane	17.640	201	95490	52.14	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : u199960.D
Acq On : 22 Oct 2015 10:01 pm
Operator : NicoleH1
Sample : ICV9209-50
Misc : ms93099,vu9209,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 23 08:48:16 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201918.D
Acq On : 22 Dec 2015 8:17 pm
Operator : NicoleH1
Sample : CC9209-50
Misc : ms96371,vu9293,5.0,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 23 10:04:17 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.868	65	74922	500.00	ug/L	0.01
5) pentafluorobenzene	10.064	168	266679	50.00	ug/L	0.00
64) 1,4-difluorobenzene	10.984	114	310512	50.00	ug/L	0.00
96) chlorobenzene-d5	14.309	117	293858	50.00	ug/L	0.00
112) 1,4-dichlorobenzene-d4	16.886	152	158261	50.00	ug/L	0.00
System Monitoring Compounds						
56) dibromofluoromethane (s)	10.137	113	96687	48.82	ug/L	0.00
Spiked Amount 50.000 Range 76 - 120 Recovery = 97.64%						
57) 1,2-dichloroethane-d4 (s)	10.560	65	101740	46.37	ug/L	0.00
Spiked Amount 50.000 Range 73 - 122 Recovery = 92.74%						
88) toluene-d8 (s)	12.667	98	388659	50.16	ug/L	0.00
Spiked Amount 50.000 Range 84 - 119 Recovery = 100.32%						
114) 4-bromofluorobenzene (s)	15.585	95	147918	44.07	ug/L	0.00
Spiked Amount 50.000 Range 78 - 117 Recovery = 88.14%						
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.978	59	47425	282.96	ug/L #	31
4) 1,4-dioxane	11.726	88	13259	957.21	ug/L	97
11) chlorodifluoromethane	4.391	51	91267	44.75	ug/L	97
12) dichlorodifluoromethane	4.360	85	121520	49.76	ug/L	98
15) chloromethane	4.763	50	144751	49.58	ug/L	98
16) vinyl chloride	5.035	62	129840	50.38	ug/L	99
18) bromomethane	5.704	94	94559	53.15	ug/L	98
19) chloroethane	5.876	64	74650	52.72	ug/L	97
20) trichlorofluoromethane	6.305	101	158870	45.88	ug/L	100
23) ethyl ether	6.744	74	59167	52.85	ug/L	94
24) 2-CHLOROPROPANE	6.958	43	189307	52.45	ug/L	95
27) acrolein	7.042	56	201560	539.21	ug/L	99
28) 1,1-dichloroethene	7.188	96	99793	53.65	ug/L	97
29) acetone	7.251	58	8318	49.91	ug/L	99
30) allyl chloride	7.722	76	67715	62.14	ug/L	95
31) acetonitrile	7.722	40	70814	392.47	ug/L #	56
32) iodomethane	7.486	142	193043	53.59	ug/L	97
33) carbon disulfide	7.607	76	351547	52.37	ug/L	98
34) 1-CHLOROPROPANE	7.952	63	9362	54.30	ug/L	77
35) methylene chloride	7.920	84	117008	54.68	ug/L	96
36) methyl acetate	7.696	43	78329	54.60	ug/L	99
37) methyl tert butyl ether	8.213	73	311945	48.20	ug/L	98
38) trans-1,2-dichloroethene	8.281	96	113067	55.53	ug/L	97
39) di-isopropyl ether	8.788	45	349012	52.24	ug/L	91
40) ethyl tert-butyl ether	9.254	59	341117	49.66	ug/L	99
41) 2-butanone	9.541	72	12694	51.56	ug/L #	92
42) 1,1-dichloroethane	8.851	63	195187	54.09	ug/L	99
43) chloroprene	8.945	53	145017	49.94	ug/L	97
44) acrylonitrile	8.250	53	206431	281.74	ug/L	96
45) vinyl acetate	8.814	86	19889	49.42	ug/L #	84
46) ethyl acetate	9.536	45	16113	54.78	ug/L	95
47) 2,2-dichloropropane	9.572	77	151950	48.48	ug/L	99
48) cis-1,2-dichloroethene	9.578	96	122055	54.23	ug/L	97
49) methyl acrylate	9.619	85	16374	49.86	ug/L	99
50) propionitrile	9.661	54	158249	527.35	ug/L	99
51) bromochloromethane	9.891	128	60869	53.37	ug/L	94
52) tetrahydrofuran	9.923	42	36773	52.18	ug/L	99
53) chloroform	9.938	83	188412	52.22	ug/L	98
54) tert-butyl Formate	9.959	59	96552	51.82	ug/L	97
55) iso-butyl alcohol	10.362	43	40451	431.07	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201918.D
Acq On : 22 Dec 2015 8:17 pm
Operator : NicoleH1
Sample : CC9209-50
Misc : ms96371,vu9293,5.0,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 23 10:04:17 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	freon 113	7.152	151	73055	47.36 ug/L	99
59)	methacrylonitrile	9.829	41	67460	55.69 ug/L	96
60)	1,1,1-trichloroethane	10.189	97	160879	50.47 ug/L	99
62)	tert-amyl methyl ether	10.634	87	77588	51.06 ug/L	99
63)	iso-octane	10.592	57	381722	48.51 ug/L	98
66)	epichlorohydrin	12.281	57	55064	263.82 ug/L	98
67)	n-butyl alcohol	11.104	56	128836	2113.34 ug/L	98
68)	Cyclohexane	10.247	84	165426	51.93 ug/L	85
69)	carbon tetrachloride	10.383	117	154073	53.03 ug/L	100
70)	1,1-dichloropropene	10.357	75	143245	53.81 ug/L	99
71)	hexane	8.548	57	128356	48.14 ug/L	99
72)	benzene	10.628	78	441295	52.88 ug/L	99
73)	heptane	10.754	57	74963	48.80 ug/L	100
74)	isopropyl acetate	10.519	43	202773	52.54 ug/L	99
75)	1,2-dichloroethane	10.649	62	134504	50.22 ug/L	99
78)	trichloroethene	11.329	95	114402	54.51 ug/L	96
79)	methylcyclohexane	11.538	83	185108	50.97 ug/L	99
80)	2-nitropropane	12.134	41	40034	50.78 ug/L #	84
81)	2-chloroethyl vinyl ether	12.129	63	360293	275.65 ug/L	98
82)	methyl methacrylate	11.585	100	31654	55.04 ug/L	97
83)	1,2-dichloropropane	11.606	63	119123	57.03 ug/L	92
84)	propyl acetate	11.617	73	21406	52.84 ug/L	93
85)	dibromomethane	11.779	93	71006	53.26 ug/L	98
86)	bromodichloromethane	11.904	83	157939	54.78 ug/L	99
87)	cis-1,3-dichloropropene	12.369	75	197679	54.00 ug/L	96
89)	4-methyl-2-pentanone	12.458	58	46738	57.79 ug/L #	85
90)	toluene	12.746	92	296525	53.97 ug/L	99
91)	3-methyl-1-butanol	12.474	55	87577	881.75 ug/L	96
92)	trans-1,3-dichloropropene	12.960	75	184136	54.01 ug/L	99
93)	ethyl methacrylate	12.924	69	154369	56.58 ug/L	98
94)	1,1,2-trichloroethane	13.195	83	93988	54.85 ug/L	96
95)	2-hexanone	13.363	58	48320	59.58 ug/L	97
97)	cyclohexanone	15.564	55	24504	317.06 ug/L	95
98)	tetrachloroethene	13.368	164	112628	55.30 ug/L	97
99)	1,3-dichloropropane	13.394	76	179724	53.03 ug/L	100
100)	butyl acetate	13.425	56	79875	57.11 ug/L	98
101)	dibromochloromethane	13.687	129	139451	55.02 ug/L	100
102)	1,2-dibromoethane	13.854	107	116183	55.38 ug/L	99
103)	3,3-dimethyl-1-Butanol	13.546	57	89960	431.14 ug/L	99
104)	n-butyl ether	14.204	57	546229	57.55 ug/L	98
105)	chlorobenzene	14.346	112	345376	53.64 ug/L	99
106)	1,1,1,2-tetrachloroethane	14.408	131	130085	54.71 ug/L	99
107)	ethylbenzene	14.387	91	582582	53.43 ug/L	100
108)	m,p-xylene	14.502	106	460992	108.99 ug/L	96
109)	o-xylene	14.973	106	228719	55.71 ug/L	95
110)	styrene	14.983	104	400357	57.63 ug/L	97
111)	bromoform	15.302	173	106203	58.79 ug/L	97
113)	isopropylbenzene	15.344	105	606758	49.22 ug/L	99
115)	bromobenzene	15.809	156	171911	51.42 ug/L	97
116)	1,1,2,2-tetrachloroethane	15.705	83	159265	50.99 ug/L	98
117)	trans-1,4-dichloro-2-b...	15.747	53	40351	48.65 ug/L	92
118)	1,2,3-trichloropropane	15.789	110	42432	51.36 ug/L	99
119)	n-propylbenzene	15.799	91	719363	51.33 ug/L	100
120)	2-chlorotoluene	15.977	126	152778	52.43 ug/L	95
121)	4-chlorotoluene	16.086	91	435975	48.90 ug/L	97
123)	1,3,5-trimethylbenzene	15.961	105	503770	50.20 ug/L	97
124)	tert-butylbenzene	16.353	119	466830	51.60 ug/L	97
125)	pentachloroethane	16.463	167	106583	52.57 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201918.D
Acq On : 22 Dec 2015 8:17 pm
Operator : NicoleH1
Sample : CC9209-50
Misc : ms96371,vu9293,5.0,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 23 10:04:17 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
126) 1,2,4-trimethylbenzene	16.405	105	518588	52.59 ug/L	98
128) sec-butylbenzene	16.594	105	666322	52.30 ug/L	98
129) 1,3-dichlorobenzene	16.818	146	316069	53.21 ug/L	99
130) p-isopropyltoluene	16.719	119	568661	52.76 ug/L	98
131) 1,4-dichlorobenzene	16.913	146	316425	52.49 ug/L	98
132) benzyl chloride	17.043	91	296470	45.53 ug/L	100
133) 1,2-dichlorobenzene	17.352	146	293204	53.24 ug/L	99
135) n-butylbenzene	17.179	92	280264	56.43 ug/L	99
137) 1,2-dibromo-3-chloropr...	18.214	157	31206	53.94 ug/L	97
138) 1,3,5-trichlorobenzene	18.397	180	232689	53.85 ug/L	99
139) 1,2,4-trichlorobenzene	19.140	180	195567	58.63 ug/L	99
140) hexachlorobutadiene	19.249	225	112425	53.50 ug/L	99
141) naphthalene	19.464	128	385229	58.66 ug/L	99
143) 1,2,3-trichlorobenzene	19.741	180	159612	57.50 ug/L	96
144) hexachloroethane	17.634	201	107619	54.67 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

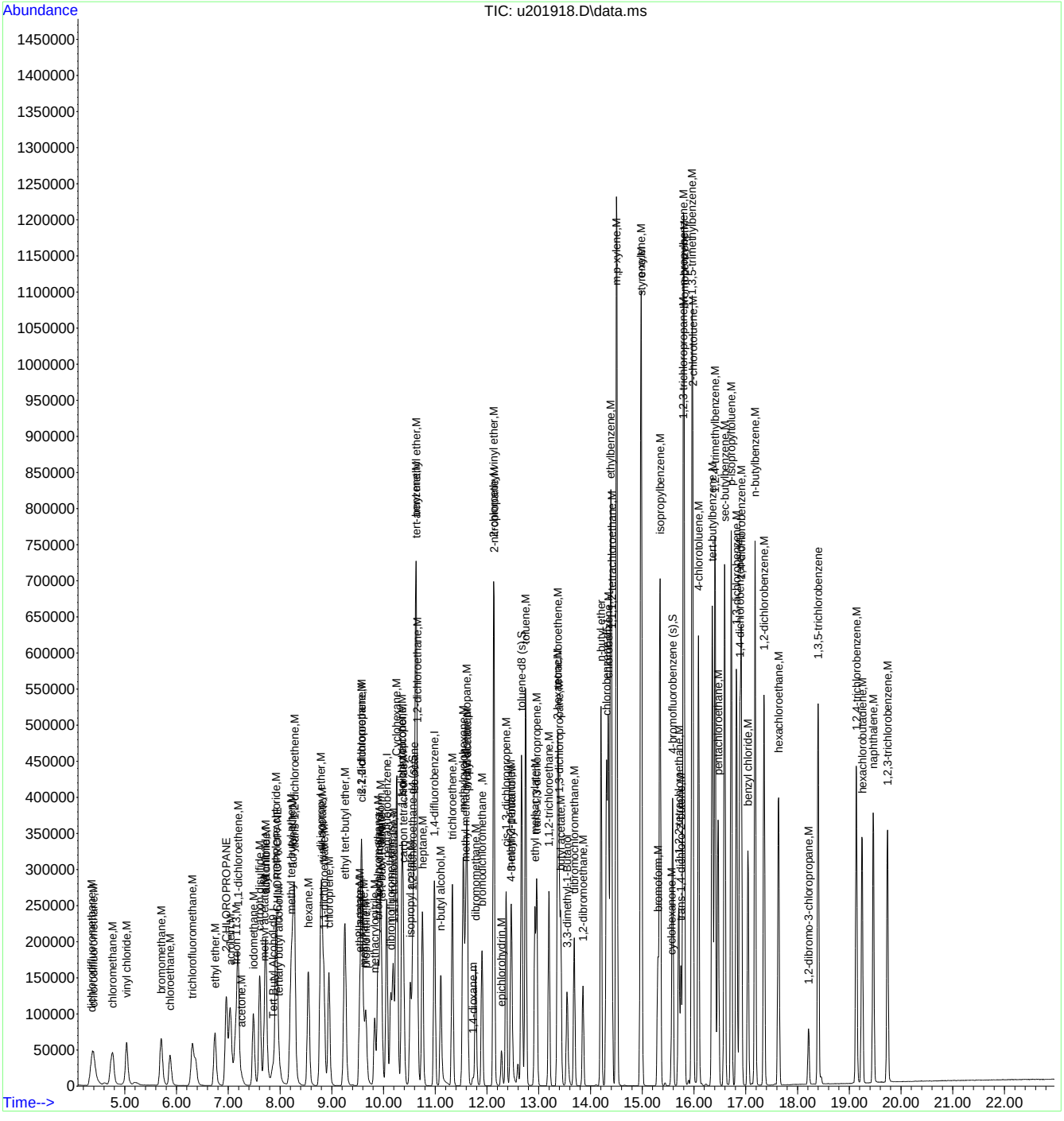
7.7.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\U\vu9292-9293\
Data File : u201918.D
Acq On : 22 Dec 2015 8:17 pm
Operator : NicoleH1
Sample : CC9209-50
Misc : ms96371,vu9293,5.0,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 23 10:04:17 2015
Quant Method : C:\MSDCHEM\1\METHODS\MU9209.M
Quant Title : SW-846 8260B, ZB624 60m x 250um x 1.40um
QLast Update : Fri Oct 23 08:46:35 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156929.D
Acq On : 28 Oct 2015 6:09 pm
Operator : payalr
Sample : ic6633-0.5
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 29 10:45:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 10:14:50 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.69	65	211003	500.00	ug/L	0.00
4) pentafluorobenzene	9.91	168	516468	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	596582	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	517491	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	299117	50.00	ug/L	0.00

System Monitoring Compounds

48) dibromofluoromethane (s)	10.00	113	204964	49.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 99.98%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	197172	48.48	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 96.96%			
74) toluene-d8 (s)	12.59	98	715648	49.48	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.96%			
97) 4-bromofluorobenzene (s)	15.57	95	254862	49.68	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 99.36%			

Target Compounds

						Qvalue
29) methyl tert butyl ether	8.03	73	8520	0.57	ug/L	94
30) trans-1,2-dichloroethene	8.11	61	3236	0.49	ug/L	93
33) 1,1-dichloroethane	8.68	63	4324	0.55	ug/L	92
44) bromochloromethane	9.77	128	1110	0.48	ug/L #	45
46) chloroform	9.79	83	4032	0.52	ug/L	84
50) 1,1,1-trichloroethane	10.05	97	4370	0.55	ug/L	81
56) carbon tetrachloride	10.25	117	3735	0.57	ug/L	87
57) 1,1-dichloropropene	10.22	75	2961	0.57	ug/L	87
60) benzene	10.49	78	9556	0.58	ug/L	71
64) 1,2-dichloroethane	10.53	62	2254	0.46	ug/L	75
66) trichloroethene	11.22	95	2338	0.59	ug/L #	84
69) 1,2-dichloropropane	11.51	63	1910	0.48	ug/L	94
70) dibromomethane	11.69	93	1152	0.50	ug/L #	60
71) bromodichloromethane	11.81	83	2521	0.47	ug/L	96
73) cis-1,3-dichloropropene	12.29	75	3032	0.50	ug/L	83
78) trans-1,3-dichloropropene	12.91	75	2711	0.52	ug/L	98
80) 1,1,2-trichloroethane	13.15	83	1484	0.58	ug/L #	74
83) tetrachloroethene	13.30	166	2250	0.51	ug/L	83
84) 1,3-dichloropropane	13.35	76	2400	0.50	ug/L	77
87) dibromochloromethane	13.65	129	2024	0.53	ug/L	97
88) 1,2-dibromoethane	13.82	107	1520	0.51	ug/L #	31
89) chlorobenzene	14.30	112	5704	0.55	ug/L	89
90) 1,1,1,2-tetrachloroethane	14.37	131	2529	0.52	ug/L #	77
91) ethylbenzene	14.35	91	11784	0.62	ug/L	99
92) m,p-xylene	14.47	106	9106	1.19	ug/L	66
93) o-xylene	14.94	106	4364	0.53	ug/L	77
94) styrene	14.96	104	7343	0.59	ug/L	93
95) bromoform	15.29	173	1410	0.52	ug/L #	56
99) isopropylbenzene	15.31	105	11733	0.52	ug/L	91
100) 1,1,2,2-tetrachloroethane	15.69	83	2889	0.60	ug/L	94
101) trans-1,4-dichloro-2-buten	15.74	53	697	0.53	ug/L #	26
102) 1,2,3-trichloropropane	15.79	110	565	0.47	ug/L #	8
103) bromobenzene	15.80	156	2701	0.52	ug/L	79

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156929.D
Acq On : 28 Oct 2015 6:09 pm
Operator : payalr
Sample : ic6633-0.5
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 29 10:45:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 10:14:50 2015
Response via : Initial Calibration

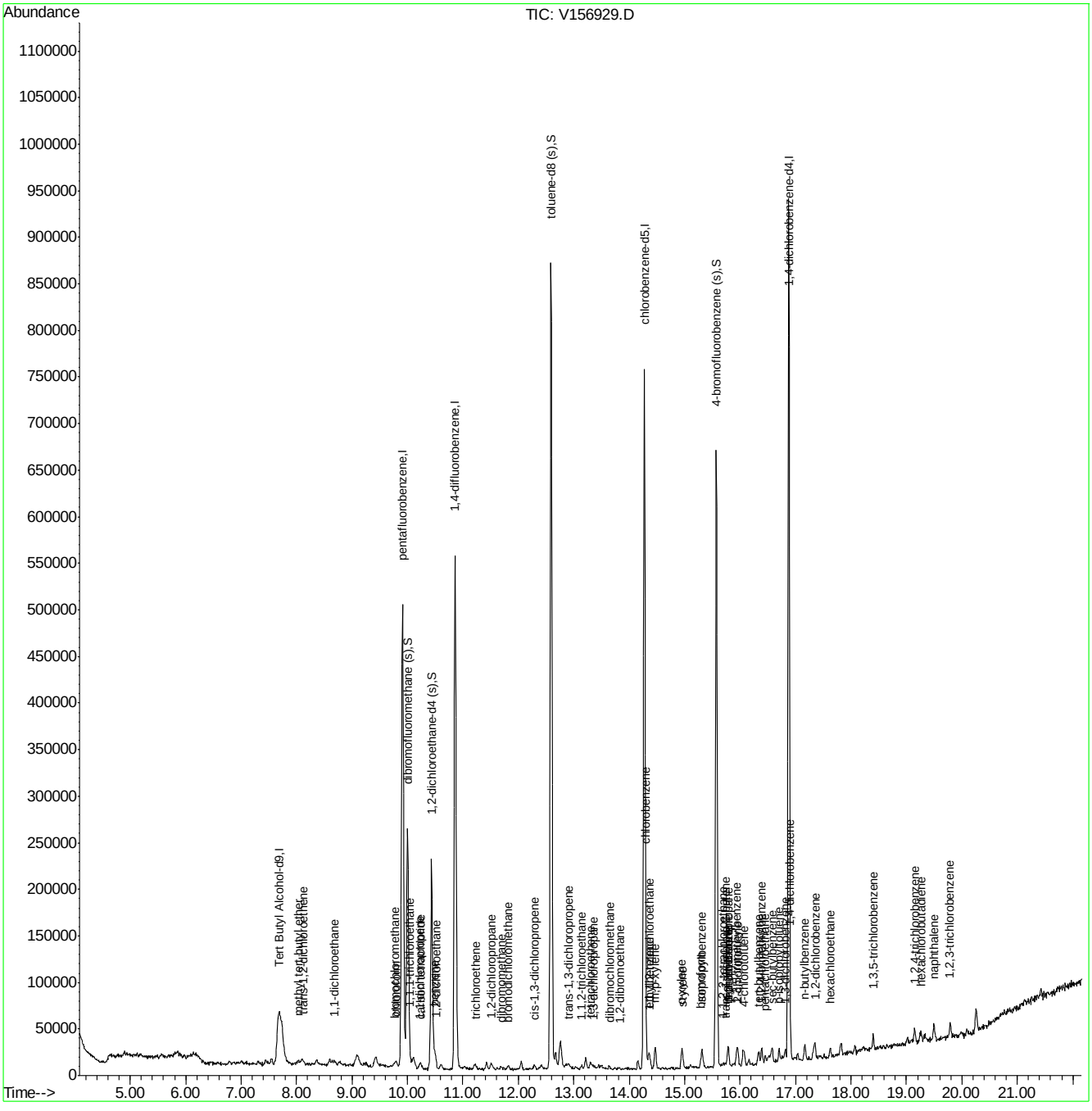
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
104) n-propylbenzene	15.78	91	13566	0.56 ug/L	94
105) 2-chlorotoluene	15.96	126	3371	0.63 ug/L #	39
106) 4-chlorotoluene	16.07	91	9106	0.64 ug/L	95
107) 1,3,5-trimethylbenzene	15.94	105	10946	0.55 ug/L	94
108) tert-butylbenzene	16.33	119	8201	0.49 ug/L	88
109) pentachloroethane	16.45	167	1747	0.47 ug/L	83
110) 1,2,4-trimethylbenzene	16.39	105	10936	0.56 ug/L	98
111) sec-butylbenzene	16.57	105	13542	0.50 ug/L	94
112) p-isopropyltoluene	16.71	119	11470	0.52 ug/L #	86
113) 1,3-dichlorobenzene	16.82	146	5878	0.54 ug/L	78
114) 1,4-dichlorobenzene	16.91	146	5868	0.55 ug/L	87
115) 1,2-dichlorobenzene	17.36	146	6309	0.56 ug/L	88
118) n-butylbenzene	17.17	92	6262	0.55 ug/L	86
119) hexachloroethane	17.63	201	1686	0.43 ug/L	88
121) 1,3,5-trichlorobenzene	18.40	180	6518	0.55 ug/L	86
122) 1,2,4-trichlorobenzene	19.15	180	6037	0.53 ug/L	96
123) hexachlorobutadiene	19.25	225	3028	0.49 ug/L	89
124) naphthalene	19.49	128	14935	0.64 ug/L	94
125) 1,2,3-trichlorobenzene	19.79	180	6592	0.58 ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156929.D
Acq On : 28 Oct 2015 6:09 pm
Operator : payalr
Sample : ic6633-0.5
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 29 10:45:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 10:14:50 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/01/15 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156930.D
Acq On : 28 Oct 2015 6:38 pm
Operator : payalr
Sample : ic6633-1
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 09:16:08 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Oct 26 10:26:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.68	65	229113	500.00	ug/L	0.01
4) pentafluorobenzene	9.91	168	504056	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	591779	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	513522	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	298368	50.00	ug/L	0.00

System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	201598	44.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 89.46%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	194509	42.37	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 84.74%			
74) toluene-d8 (s)	12.59	98	709882	47.96	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 95.92%			
97) 4-bromofluorobenzene (s)	15.57	95	257234	56.83	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 113.66%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.79	59	3558m	5.63	ug/L	
3) 1,4-dioxane	11.63	88	651	14.76	ug/L	62
6) chlorodifluoromethane	4.34	51	8292	0.73	ug/L	87
15) ethyl ether	6.57	74	2222	0.86	ug/L #	74
19) 1,1-dichloroethene	7.01	61	7403	0.88	ug/L	92
24) iodomethane	7.32	142	9320	0.88	ug/L	93
25) carbon disulfide	7.44	76	18001	0.80	ug/L	99
26) methylene chloride	7.76	84	6932	1.03	ug/L	87
29) methyl tert butyl ether	8.04	73	16994	0.96	ug/L	98
30) trans-1,2-dichloroethene	8.10	61	6891	0.88	ug/L #	78
31) di-isopropyl ether	8.61	45	15722	0.88	ug/L	88
33) 1,1-dichloroethane	8.69	63	7469	0.77	ug/L	84
34) chloroprene	8.77	53	6412	0.87	ug/L	93
37) ethyl tert-butyl ether	9.09	59	14654	0.82	ug/L	84
39) 2,2-dichloropropane	9.42	77	9011	0.87	ug/L	83
40) cis-1,2-dichloroethene	9.43	96	7096	1.07	ug/L	92
44) bromochloromethane	9.76	128	2410	0.91	ug/L #	69
46) chloroform	9.80	83	7944	0.81	ug/L	93
47) tert-Butyl Formate	9.81	59	3277	0.77	ug/L #	47
50) 1,1,1-trichloroethane	10.04	97	8197	0.87	ug/L	93
51) Cyclohexane	10.11	84	8080	0.79	ug/L	76
53) methylcyclohexane	11.43	83	7750	0.82	ug/L	99
56) carbon tetrachloride	10.25	117	6990	0.95	ug/L	90
57) 1,1-dichloropropene	10.20	75	5369	0.88	ug/L	91
59) 2,2,4-Trimethylpentane	10.43	57	15511	0.76	ug/L	93
60) benzene	10.50	78	17505	0.91	ug/L	83
61) tert-amyl methyl ether	10.50	73	15219	0.93	ug/L	92
62) heptane	10.61	57	3598	1.00	ug/L #	82
64) 1,2-dichloroethane	10.53	62	4861	0.87	ug/L	94
66) trichloroethene	11.21	95	4173	0.94	ug/L #	68
67) 2-chloroethyl vinyl ether	12.05	63	9294	4.27	ug/L	91
68) methyl methacrylate	11.49	100	689	0.86	ug/L #	24
69) 1,2-dichloropropane	11.52	63	3944	0.86	ug/L	84

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156930.D
Acq On : 28 Oct 2015 6:38 pm
Operator : payalr
Sample : ic6633-1
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 09:16:08 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Oct 26 10:26:33 2015
Response via : Initial Calibration

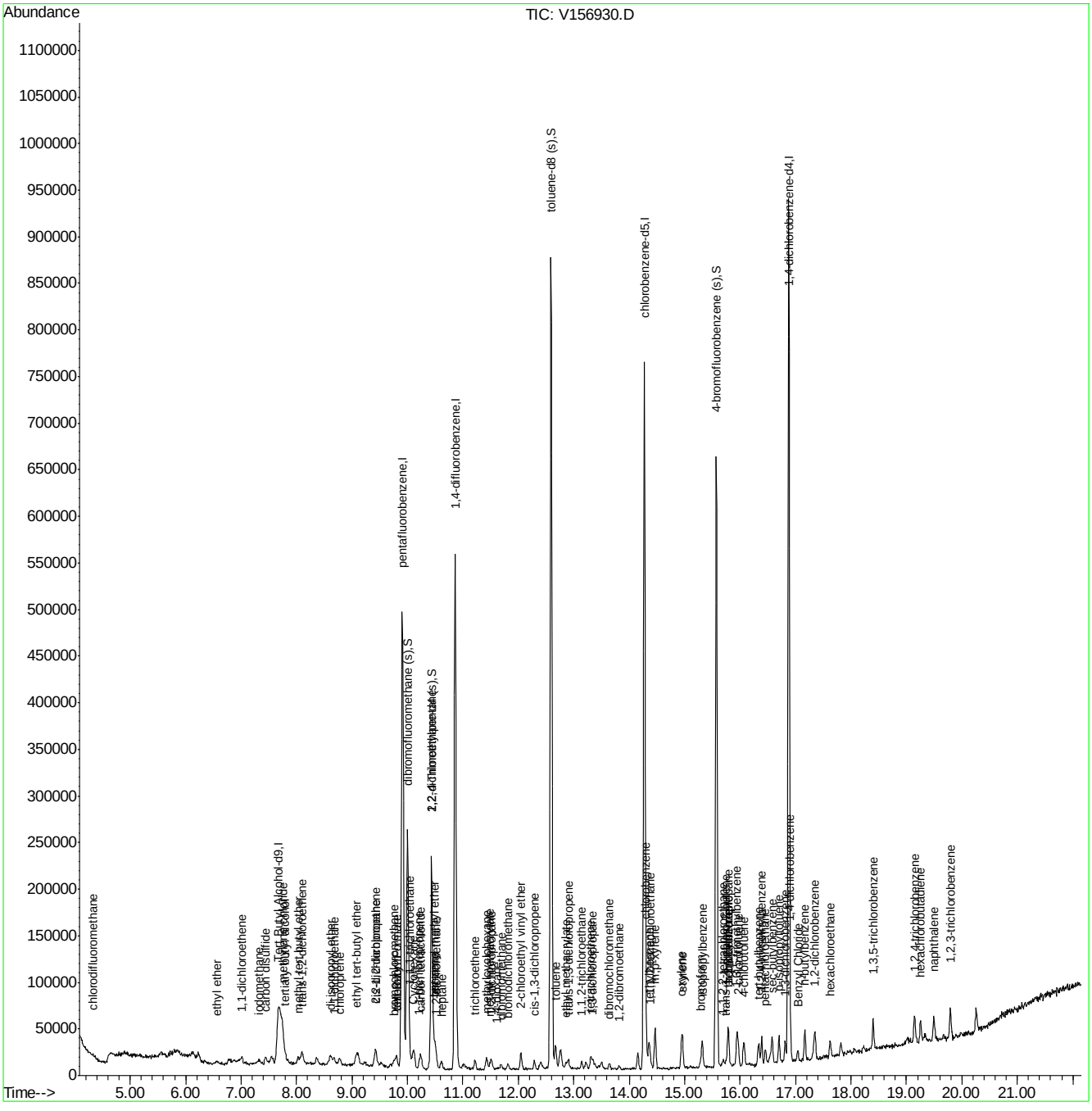
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
70) dibromomethane	11.70	93	2447	0.92 ug/L #	70
71) bromodichloromethane	11.81	83	5702	0.93 ug/L	91
73) cis-1,3-dichloropropene	12.29	75	6068	0.93 ug/L	85
76) toluene	12.67	92	12053	1.09 ug/L	96
78) trans-1,3-dichloropropene	12.91	75	5271	0.92 ug/L	87
79) ethyl methacrylate	12.86	69	5268	1.09 ug/L #	83
80) 1,1,2-trichloroethane	13.14	83	2785	0.97 ug/L #	77
83) tetrachloroethene	13.31	166	4566	1.07 ug/L	85
84) 1,3-dichloropropane	13.34	76	5200	0.90 ug/L	93
87) dibromochloromethane	13.64	129	3906	0.94 ug/L	80
88) 1,2-dibromoethane	13.81	107	3095	0.94 ug/L	79
89) chlorobenzene	14.31	112	10714	0.92 ug/L	81
90) 1,1,1,2-tetrachloroethane	14.38	131	4981	0.96 ug/L	94
91) ethylbenzene	14.35	91	20348	0.93 ug/L	98
92) m,p-xylene	14.46	106	16094	1.94 ug/L	88
93) o-xylene	14.94	106	7780	0.85 ug/L	75
94) styrene	14.96	104	13615	1.00 ug/L	90
95) bromoform	15.29	173	2953	1.08 ug/L	88
99) isopropylbenzene	15.32	105	22897	0.84 ug/L	92
100) 1,1,2,2-tetrachloroethane	15.70	83	5436	0.84 ug/L	83
101) trans-1,4-dichloro-2-buten	15.74	53	1610	1.07 ug/L	92
102) 1,2,3-trichloropropane	15.77	110	1286	0.83 ug/L #	20
103) bromobenzene	15.80	156	5085	0.85 ug/L	90
104) n-propylbenzene	15.78	91	25687	0.83 ug/L	94
105) 2-chlorotoluene	15.97	126	5634	0.89 ug/L #	55
106) 4-chlorotoluene	16.07	91	15248	0.91 ug/L	95
107) 1,3,5-trimethylbenzene	15.94	105	20564	0.89 ug/L	96
108) tert-butylbenzene	16.33	119	16444	0.84 ug/L	97
109) pentachloroethane	16.45	167	3779	0.89 ug/L	88
110) 1,2,4-trimethylbenzene	16.39	105	18950	0.83 ug/L	95
111) sec-butylbenzene	16.58	105	27461	0.87 ug/L	98
112) p-isopropyltoluene	16.70	119	21197	0.85 ug/L	93
113) 1,3-dichlorobenzene	16.81	146	11637	0.98 ug/L	91
114) 1,4-dichlorobenzene	16.91	146	11022	0.89 ug/L	85
115) 1,2-dichlorobenzene	17.35	146	11732	0.98 ug/L	92
116) Benzyl Chloride	17.04	91	12059	1.06 ug/L	98
118) n-butylbenzene	17.17	92	11702	0.86 ug/L	95
119) hexachloroethane	17.62	201	3571	0.91 ug/L #	86
121) 1,3,5-trichlorobenzene	18.40	180	12724	1.12 ug/L	97
122) 1,2,4-trichlorobenzene	19.15	180	12866	1.17 ug/L	91
123) hexachlorobutadiene	19.24	225	6521	1.20 ug/L	84
124) naphthalene	19.49	128	26549	1.02 ug/L	98
125) 1,2,3-trichlorobenzene	19.79	180	12872	1.19 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156930.D
Acq On : 28 Oct 2015 6:38 pm
Operator : payalr
Sample : ic6633-1
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 09:16:08 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Oct 26 10:26:33 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Manual Integration Approval Summary

Sample Number:	VV6633-IC6633	**Method:**	SW846 8260C
Lab FileID:	V156930.D	**Analyst approved:**	10/29/15 11:30 Dana Tryon
Injection Time:	10/28/15 18:38	**Supervisor approved:**	11/01/15 15:12 Jessica Reitan-Chu

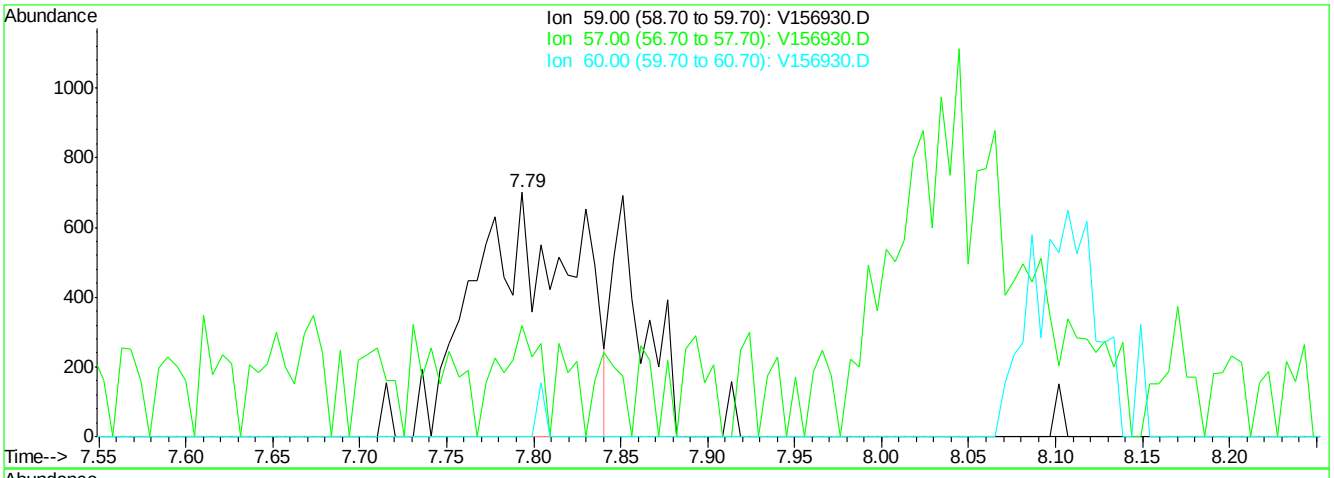
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert Butyl Alcohol	75-65-0		7.79	Poor instrument integration

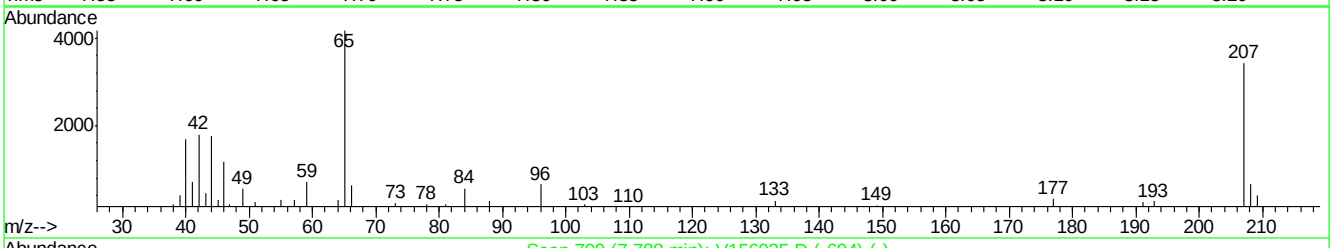
Quantitation Report (Qedit)

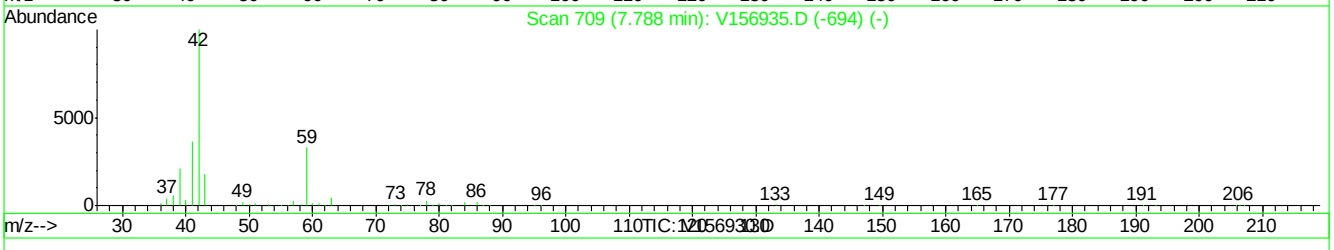
Data File : C:\MSDChem\1\DATA\V156930.D Vial: 4
Acq On : 28 Oct 2015 6:38 pm Operator: payalr
Sample : ic6633-1 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 28 19:00:16 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 10:09:06 2015
Response via : Multiple Level Calibration







(2) tertiary butyl alcohol

7.79min 4.37ug/L

response 2759

Ion	Exp%	Act%
59.00	100	100
57.00	11.10	10.67
60.00	8.50	0.00
0.00	0.00	0.00

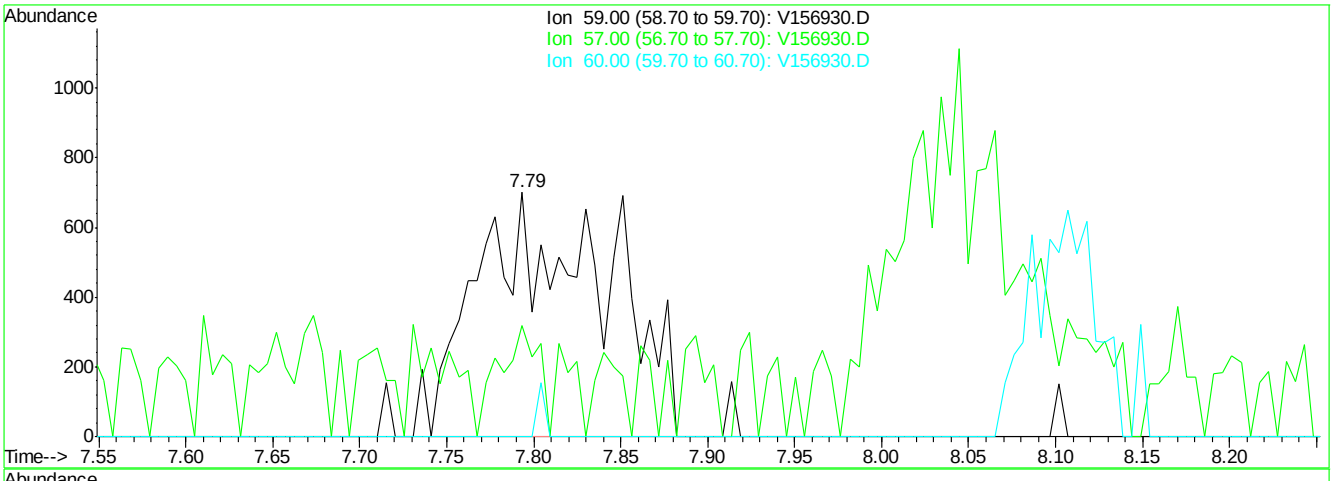
V156930.D MVS6633.M Thu Oct 29 10:09:56 2015 MSV

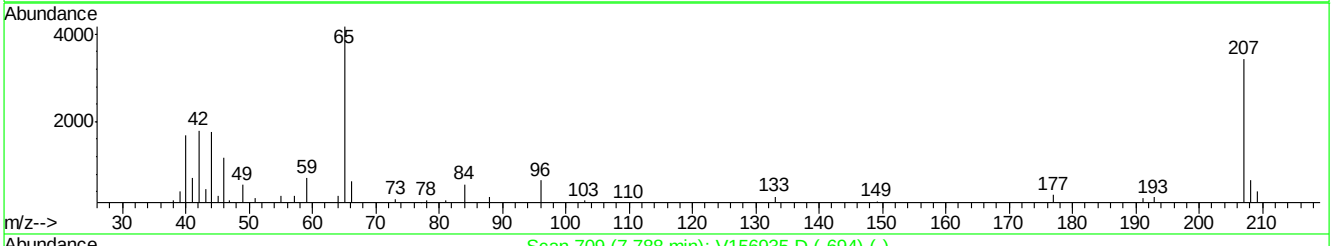
Quantitation Report (Qedit)

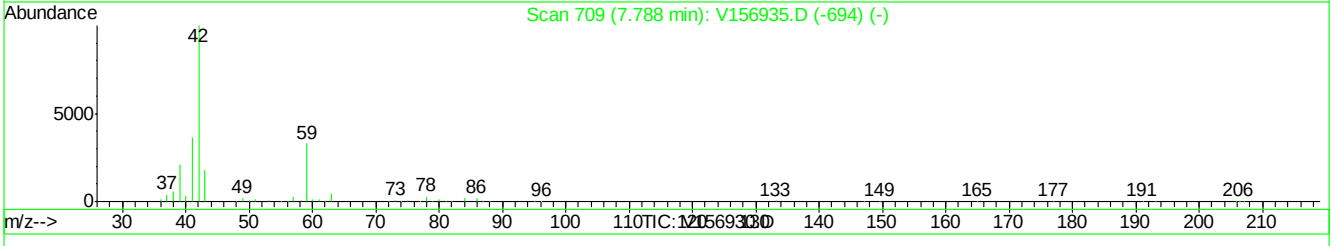
Data File : C:\MSDChem\1\DATA\V156930.D Vial: 4
Acq On : 28 Oct 2015 6:38 pm Operator: payalr
Sample : ic6633-1 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 28 19:00:16 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 10:09:06 2015
Response via : Multiple Level Calibration







(2) tertiary butyl alcohol

7.79min 5.63ug/L m

response 3558

Ion	Exp%	Act%
59.00	100	100
57.00	11.10	45.09#
60.00	8.50	0.00
0.00	0.00	0.00

V156930.D MVS6633.M Thu Oct 29 10:10:04 2015 MSV

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156931.D
Acq On : 28 Oct 2015 7:06 pm
Operator : payalr
Sample : ic6633-2
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 10:45:54 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 10:01:30 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.68	65	237916	500.00	ug/L	0.00
4) pentafluorobenzene	9.91	168	499866	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	601369	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	524004	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	296838	50.00	ug/L	0.00

System Monitoring Compounds

48) dibromofluoromethane (s)	10.00	113	198948	50.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 100.44%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	196250	49.67	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 99.34%			
74) toluene-d8 (s)	12.59	98	715288	48.82	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 97.64%			
97) 4-bromofluorobenzene (s)	15.57	95	262884	50.80	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 101.60%			

Target Compounds

						Qvalue
2) tertiary butyl alcohol	7.81	59	6456	11.06	ug/L	81
3) 1,4-dioxane	11.63	88	2092	44.57	ug/L	70
6) chlorodifluoromethane	4.30	51	16329	2.36	ug/L	84
7) dichlorodifluoromethane	4.30	85	16496	2.04	ug/L	88
8) chloromethane	4.61	50	15815	2.12	ug/L	94
9) vinyl chloride	4.91	62	15874	2.07	ug/L	93
11) bromomethane	5.55	96	8564	1.94	ug/L	90
12) chloroethane	5.72	64	7174	2.04	ug/L	84
13) trichlorofluoromethane	6.17	101	15389	1.99	ug/L	83
15) ethyl ether	6.56	74	4391	2.11	ug/L #	77
16) 2-chloropropane	6.78	43	18910	2.33	ug/L	84
17) acrolein	6.86	56	13906	19.31	ug/L	98
18) freon 113	6.96	151	7672	2.19	ug/L	90
19) 1,1-dichloroethene	7.01	61	13365	2.00	ug/L #	84
21) iso-butyl alcohol	10.50	74	2952	20.89	ug/L	86
22) allyl chloride	7.53	76	4511	1.91	ug/L #	27
23) acetonitrile	7.55	41	23507	21.37	ug/L	95
24) iodomethane	7.31	142	16835	1.91	ug/L	97
25) carbon disulfide	7.44	76	33581	1.98	ug/L	98
26) methylene chloride	7.74	84	12031	2.46	ug/L	99
29) methyl tert butyl ether	8.03	73	27724	1.94	ug/L	89
30) trans-1,2-dichloroethene	8.10	61	12586	1.97	ug/L	95
31) di-isopropyl ether	8.60	45	30611	2.02	ug/L	97
32) 2-butanone	9.44	72	835	2.10	ug/L #	1
33) 1,1-dichloroethane	8.68	63	14708	1.91	ug/L	97
34) chloroprene	8.78	53	12672	2.19	ug/L	96
35) acrylonitrile	8.09	53	12535	10.26	ug/L	94
37) ethyl tert-butyl ether	9.07	59	29963	2.00	ug/L	92
38) ethyl acetate	9.40	45	989	2.26	ug/L #	44
39) 2,2-dichloropropane	9.42	77	16928	2.17	ug/L	85
40) cis-1,2-dichloroethene	9.43	96	8464	1.76	ug/L	93
41) propionitrile	9.53	54	8480	18.04	ug/L	80
42) methyl acrylate	9.48	85	682	1.49	ug/L #	28

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156931.D
Acq On : 28 Oct 2015 7:06 pm
Operator : payalr
Sample : ic6633-2
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 10:45:54 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 10:01:30 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) methacrylonitrile	9.70	67	2610	2.04	ug/L		95
44) bromochloromethane	9.74	128	4455	2.02	ug/L		86
45) tetrahydrofuran	9.80	42	3046	2.46	ug/L		88
46) chloroform	9.79	83	15395	2.06	ug/L		92
47) tert-Butyl Formate	9.81	59	6718	1.97	ug/L	#	90
50) 1,1,1-trichloroethane	10.04	97	15565	2.03	ug/L		82
51) Cyclohexane	10.10	84	15844	2.13	ug/L		85
53) methylcyclohexane	11.42	83	15052	1.97	ug/L		88
54) epichlorohydrin	12.20	57	3824	12.33	ug/L		98
55) n-butyl alcohol	11.00	56	10673	92.03	ug/L		86
56) carbon tetrachloride	10.25	117	12164	1.82	ug/L		91
57) 1,1-dichloropropene	10.21	75	10394	1.98	ug/L		87
58) hexane	8.36	57	10533	2.48	ug/L		89
59) 2,2,4-Trimethylpentane	10.44	57	31685	2.01	ug/L	#	92
60) benzene	10.50	78	31870	1.91	ug/L		91
61) tert-amyl methyl ether	10.50	73	30026	2.10	ug/L		92
62) heptane	10.62	57	5817	2.19	ug/L		88
64) 1,2-dichloroethane	10.52	62	9149	1.83	ug/L		91
66) trichloroethene	11.22	95	7569	1.89	ug/L		95
67) 2-chloroethyl vinyl ether	12.05	63	18039	9.45	ug/L		96
68) methyl methacrylate	11.48	100	1615	2.04	ug/L	#	27
69) 1,2-dichloropropane	11.50	63	7501	1.87	ug/L		91
70) dibromomethane	11.70	93	4512	1.95	ug/L		96
71) bromodichloromethane	11.82	83	10110	1.86	ug/L		89
72) 2-nitropropane	12.06	41	2945	2.33	ug/L	#	78
73) cis-1,3-dichloropropene	12.30	75	11690	1.92	ug/L		95
75) 4-methyl-2-pentanone	12.38	58	2692	1.99	ug/L	#	41
76) toluene	12.67	92	20464	2.02	ug/L		90
77) isoamyl alcohol	12.40	55	10206	51.51	ug/L		77
78) trans-1,3-dichloropropene	12.89	75	10233	1.95	ug/L		90
79) ethyl methacrylate	12.87	69	8495	2.00	ug/L	#	91
80) 1,1,2-trichloroethane	13.14	83	5050	1.98	ug/L		82
81) 2-hexanone	13.32	58	2014	1.77	ug/L	#	65
83) tetrachloroethene	13.31	166	8559	1.90	ug/L		94
84) 1,3-dichloropropane	13.34	76	9337	1.94	ug/L		92
85) butyl acetate	13.38	56	4241	2.12	ug/L		68
86) 3,3-Dimethyl-1-Butanol	13.50	69	7912	21.93	ug/L	#	74
87) dibromochloromethane	13.64	129	7066	1.83	ug/L		98
88) 1,2-dibromoethane	13.82	107	5436	1.80	ug/L		96
89) chlorobenzene	14.30	112	20387	1.92	ug/L		81
90) 1,1,1,2-tetrachloroethane	14.37	131	9912	2.01	ug/L		94
91) ethylbenzene	14.35	91	37223	1.94	ug/L		96
92) m,p-xylene	14.47	106	30446	3.97	ug/L		84
93) o-xylene	14.94	106	15686	1.87	ug/L		95
94) styrene	14.96	104	23847	1.91	ug/L		99
95) bromoform	15.29	173	5388	1.99	ug/L		90
96) cyclohexanone	15.56	55	4009	20.03	ug/L		81
99) isopropylbenzene	15.32	105	41836	1.85	ug/L		98
100) 1,1,2,2-tetrachloroethane	15.70	83	9257	1.99	ug/L		88
101) trans-1,4-dichloro-2-buten	15.74	53	2865	2.34	ug/L	#	75

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156931.D
Acq On : 28 Oct 2015 7:06 pm
Operator : payalr
Sample : ic6633-2
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 10:45:54 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 10:01:30 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
102) 1,2,3-trichloropropane	15.79	110	2383	2.05 ug/L #	52
103) bromobenzene	15.80	156	9658	1.87 ug/L	95
104) n-propylbenzene	15.77	91	45851	1.90 ug/L	99
105) 2-chlorotoluene	15.96	126	10069	1.91 ug/L	94
106) 4-chlorotoluene	16.07	91	27733	1.97 ug/L	95
107) 1,3,5-trimethylbenzene	15.94	105	38155	1.95 ug/L	96
108) tert-butylbenzene	16.33	119	29918	1.76 ug/L	95
109) pentachloroethane	16.45	167	6102	1.62 ug/L	77
110) 1,2,4-trimethylbenzene	16.39	105	35694	1.83 ug/L	98
111) sec-butylbenzene	16.57	105	49811	1.84 ug/L	96
112) p-isopropyltoluene	16.70	119	40484	1.80 ug/L	96
113) 1,3-dichlorobenzene	16.81	146	20861	1.94 ug/L	96
114) 1,4-dichlorobenzene	16.90	146	20976	2.00 ug/L	97
115) 1,2-dichlorobenzene	17.35	146	21462	1.94 ug/L	89
116) Benzyl Chloride	17.04	91	20913	2.24 ug/L	97
118) n-butylbenzene	17.16	92	21984	1.95 ug/L	93
119) hexachloroethane	17.63	201	6728	1.69 ug/L	92
120) 1,2-dibromo-3-chloropropan	18.22	157	2982	2.32 ug/L	88
121) 1,3,5-trichlorobenzene	18.40	180	22389	1.93 ug/L	98
122) 1,2,4-trichlorobenzene	19.15	180	21985	2.00 ug/L	94
123) hexachlorobutadiene	19.25	225	10928	1.76 ug/L	95
124) naphthalene	19.49	128	45685	2.00 ug/L	99
125) 1,2,3-trichlorobenzene	19.80	180	21361	1.94 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

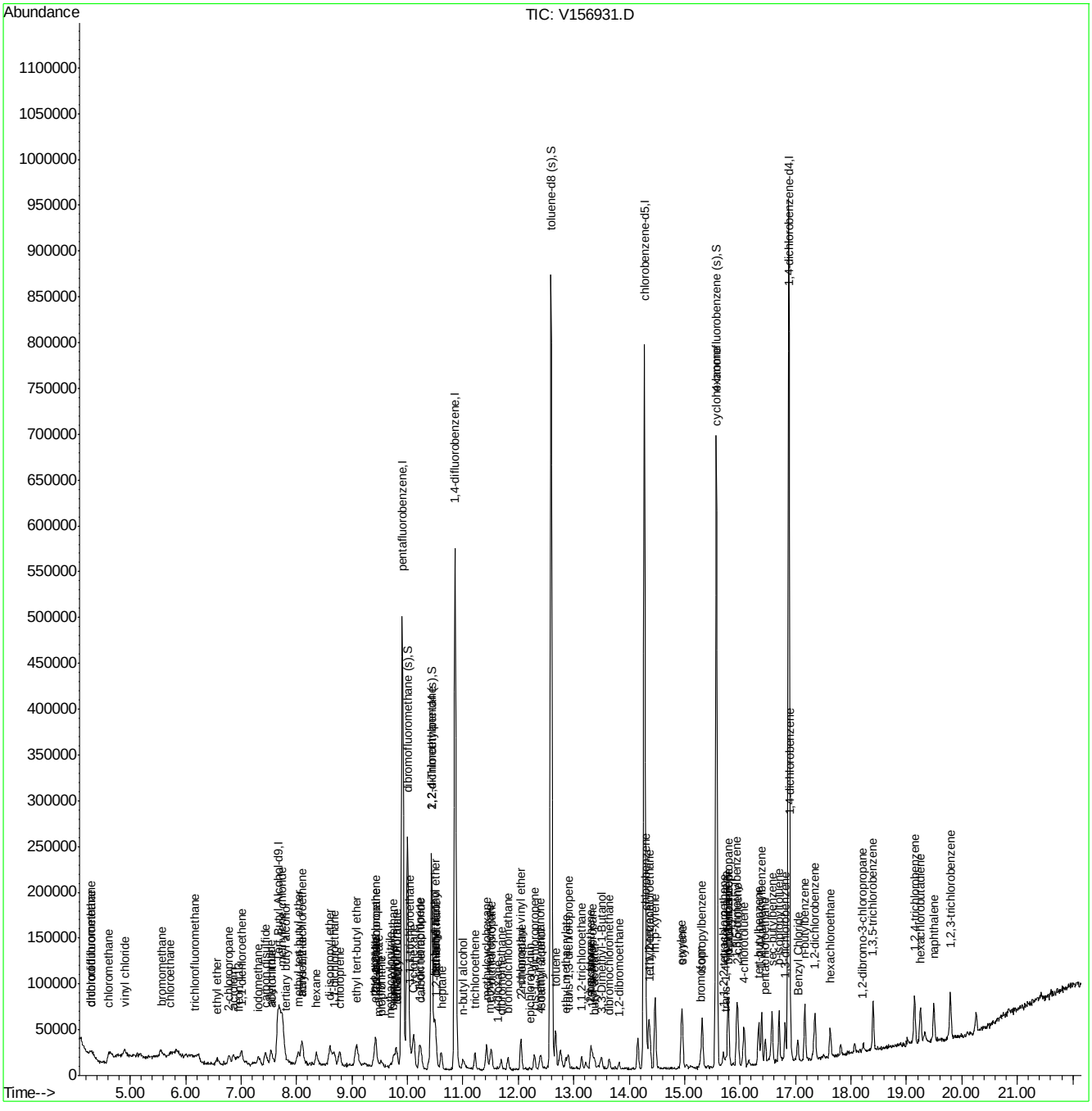
7.7.15

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156931.D
Acq On : 28 Oct 2015 7:06 pm
Operator : payalr
Sample : ic6633-2
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 10:45:54 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 10:01:30 2015
Response via : Initial Calibration



MVS6633.M Sun Nov 01 15:03:32 2015 MSV

ACCUTEST LABORATORIES JC10922

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/01/15 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156932.D
Acq On : 28 Oct 2015 7:35 pm
Operator : payalr
Sample : ic6633-4
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 29 09:02:39 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:56:49 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.70	65	248498	500.00	ug/L	0.02
4) pentafluorobenzene	9.91	168	500813	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	587857	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	522886	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	302945	50.00	ug/L	0.00

System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	199615	50.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 100.70%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	195127	49.15	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 98.30%			
74) toluene-d8 (s)	12.59	98	711175	49.59	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.18%			
97) 4-bromofluorobenzene (s)	15.57	95	262980	51.12	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 102.24%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.80	59	12484m	20.58	ug/L	
3) 1,4-dioxane	11.63	88	4888	99.63	ug/L	81
6) chlorodifluoromethane	4.33	51	28500	4.14	ug/L	93
7) dichlorodifluoromethane	4.31	85	34021	4.24	ug/L	89
8) chloromethane	4.63	50	30189	4.06	ug/L	97
9) vinyl chloride	4.91	62	30372	3.95	ug/L	96
11) bromomethane	5.56	96	18529	4.24	ug/L	95
12) chloroethane	5.73	64	15106	4.36	ug/L	87
13) trichlorofluoromethane	6.17	101	31089	4.02	ug/L	88
15) ethyl ether	6.56	74	8752	4.23	ug/L	97
16) 2-chloropropane	6.79	43	32926	4.06	ug/L	99
17) acrolein	6.86	56	31353	44.22	ug/L	96
18) freon 113	6.96	151	14526	4.17	ug/L	82
19) 1,1-dichloroethene	7.00	61	27712	4.18	ug/L	96
21) iso-butyl alcohol	10.49	74	5663	40.01	ug/L	90
22) allyl chloride	7.55	76	9845m	4.20	ug/L	
23) acetonitrile	7.54	41	47162	43.41	ug/L	94
24) iodomethane	7.32	142	35591	4.04	ug/L	99
25) carbon disulfide	7.44	76	69458	4.12	ug/L	99
26) methylene chloride	7.74	84	21182	4.40	ug/L	96
27) 1-chloropropane	7.76	42	35863	4.63	ug/L	88
28) methyl acetate	7.52	43	9314	3.93	ug/L	85
29) methyl tert butyl ether	8.04	73	58520	4.10	ug/L	93
30) trans-1,2-dichloroethene	8.11	61	27609	4.38	ug/L	91
31) di-isopropyl ether	8.61	45	62536	4.14	ug/L	97
32) 2-butanone	9.40	72	1720	4.39	ug/L #	21
33) 1,1-dichloroethane	8.69	63	32164	4.21	ug/L	97
34) chloroprene	8.78	53	23385	4.03	ug/L	93
35) acrylonitrile	8.09	53	26776	22.31	ug/L	92
37) ethyl tert-butyl ether	9.07	59	60212	4.02	ug/L	96
38) ethyl acetate	9.40	45	2030	4.78	ug/L #	48
39) 2,2-dichloropropane	9.41	77	33374	4.32	ug/L	96
40) cis-1,2-dichloroethene	9.43	96	19985	4.19	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156932.D
Acq On : 28 Oct 2015 7:35 pm
Operator : payalr
Sample : ic6633-4
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 29 09:02:39 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:56:49 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) propionitrile	9.52	54	19411	41.48 ug/L	78
42) methyl acrylate	9.48	85	1824m	3.97 ug/L	
43) methacrylonitrile	9.69	67	5205	4.07 ug/L	82
44) bromochloromethane	9.75	128	8625	3.90 ug/L	88
45) tetrahydrofuran	9.80	42	5700	4.74 ug/L	85
46) chloroform	9.79	83	30979	4.17 ug/L	93
47) tert-Butyl Formate	9.81	59	12832	3.70 ug/L	97
50) 1,1,1-trichloroethane	10.05	97	31096	4.06 ug/L	97
51) Cyclohexane	10.12	84	30807	4.16 ug/L #	66
53) methylcyclohexane	11.42	83	30409	4.07 ug/L	94
54) epichlorohydrin	12.21	57	5737	18.71 ug/L	96
55) n-butyl alcohol	11.00	56	23084	204.36 ug/L	87
56) carbon tetrachloride	10.24	117	26623	4.09 ug/L	97
57) 1,1-dichloropropene	10.22	75	21008	4.11 ug/L	86
58) hexane	8.37	57	18671	4.62 ug/L	97
59) 2,2,4-Trimethylpentane	10.44	57	62696	4.09 ug/L	94
60) benzene	10.50	78	67074	4.13 ug/L	96
61) tert-amyl methyl ether	10.49	73	56686	4.07 ug/L	98
62) heptane	10.62	57	10904	4.24 ug/L	87
63) isopropyl acetate	10.38	61	3741m	2.92 ug/L	
64) 1,2-dichloroethane	10.53	62	20094	4.13 ug/L	97
66) trichloroethene	11.21	95	16194	4.17 ug/L	97
67) 2-chloroethyl vinyl ether	12.04	63	36794	19.66 ug/L	98
68) methyl methacrylate	11.49	100	2736	3.45 ug/L #	51
69) 1,2-dichloropropane	11.50	63	15723	4.00 ug/L	98
70) dibromomethane	11.69	93	8813	3.88 ug/L	96
71) bromodichloromethane	11.81	83	21567	4.07 ug/L	94
72) 2-nitropropane	12.05	41	5206	4.27 ug/L #	76
73) cis-1,3-dichloropropene	12.29	75	24108	4.07 ug/L	90
75) 4-methyl-2-pentanone	12.39	58	5051	3.78 ug/L	88
76) toluene	12.67	92	41435	4.22 ug/L	96
77) isoamyl alcohol	12.40	55	17039	89.77 ug/L	95
78) trans-1,3-dichloropropene	12.90	75	20384	3.98 ug/L	97
79) ethyl methacrylate	12.86	69	16901	4.07 ug/L #	94
80) 1,1,2-trichloroethane	13.14	83	9890	3.96 ug/L	93
81) 2-hexanone	13.32	58	4702	4.29 ug/L #	75
83) tetrachloroethene	13.31	166	17698	3.92 ug/L	95
84) 1,3-dichloropropane	13.35	76	19231	4.01 ug/L	96
85) butyl acetate	13.37	56	8131	4.09 ug/L	73
86) 3,3-Dimethyl-1-Butanol	13.50	69	14991	41.98 ug/L	86
87) dibromochloromethane	13.64	129	14302	3.67 ug/L	98
88) 1,2-dibromoethane	13.81	107	11768	3.90 ug/L	94
89) chlorobenzene	14.30	112	41906	3.95 ug/L	98
90) 1,1,1,2-tetrachloroethane	14.38	131	19307	3.90 ug/L	94
91) ethylbenzene	14.35	91	76162	3.98 ug/L	96
92) m,p-xylene	14.47	106	61281	8.01 ug/L	96
93) o-xylene	14.94	106	33756	4.04 ug/L	91
94) styrene	14.96	104	50285	4.05 ug/L	99
95) bromoform	15.29	173	10578	3.89 ug/L	87
96) cyclohexanone	15.56	55	9963	52.47 ug/L	85

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156932.D
Acq On : 28 Oct 2015 7:35 pm
Operator : payalr
Sample : ic6633-4
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 29 09:02:39 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:56:49 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
99) isopropylbenzene	15.31	105	86197	3.69 ug/L	97
100) 1,1,2,2-tetrachloroethane	15.70	83	19142	4.04 ug/L	97
101) trans-1,4-dichloro-2-buten	15.73	53	5683	4.67 ug/L #	73
102) 1,2,3-trichloropropane	15.79	110	4618	3.86 ug/L #	56
103) bromobenzene	15.80	156	20717	3.91 ug/L	98
104) n-propylbenzene	15.78	91	96682	3.91 ug/L	97
105) 2-chlorotoluene	15.96	126	20330	3.73 ug/L	95
106) 4-chlorotoluene	16.07	91	58303	4.06 ug/L	96
107) 1,3,5-trimethylbenzene	15.94	105	74571	3.68 ug/L	97
108) tert-butylbenzene	16.34	119	61535	3.47 ug/L	97
109) pentachloroethane	16.45	167	14078	3.59 ug/L	90
110) 1,2,4-trimethylbenzene	16.39	105	76631	3.82 ug/L	97
111) sec-butylbenzene	16.57	105	101948	3.62 ug/L	98
112) p-isopropyltoluene	16.71	119	85113	3.65 ug/L	98
113) 1,3-dichlorobenzene	16.81	146	44008	4.02 ug/L	98
114) 1,4-dichlorobenzene	16.90	146	43385	4.06 ug/L	97
115) 1,2-dichlorobenzene	17.35	146	44888	3.97 ug/L	97
116) Benzyl Chloride	17.04	91	39339	4.16 ug/L	93
118) n-butylbenzene	17.17	92	43612	3.74 ug/L	95
119) hexachloroethane	17.63	201	13489	3.20 ug/L	95
120) 1,2-dibromo-3-chloropropan	18.22	157	5530	4.26 ug/L	91
121) 1,3,5-trichlorobenzene	18.40	180	48158	4.09 ug/L	98
122) 1,2,4-trichlorobenzene	19.15	180	44136	3.92 ug/L	94
123) hexachlorobutadiene	19.25	225	23507	3.66 ug/L	90
124) naphthalene	19.49	128	93197	3.99 ug/L	98
125) 1,2,3-trichlorobenzene	19.79	180	46091	4.12 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

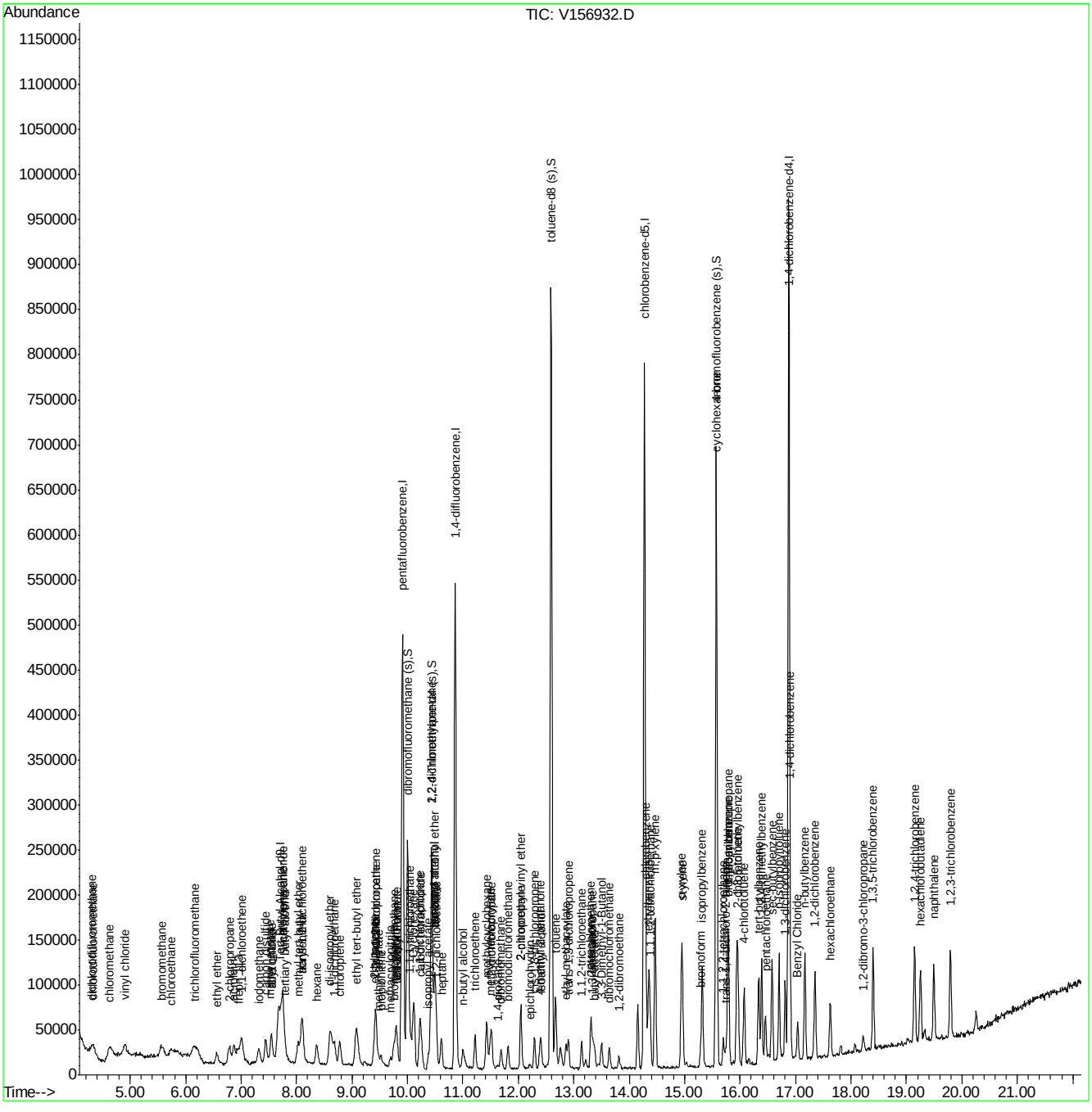
7.7.16

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156932.D
Acq On : 28 Oct 2015 7:35 pm
Operator : payalr
Sample : ic6633-4
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 29 09:02:39 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:56:49 2015
Response via : Initial Calibration



MVS6633.M Sun Nov 01 15:03:33 2015 MSV

ACCUTEST LABORATORIES JC10922

Manual Integration Approval Summary

Sample Number:	VV6633-IC6633	**Method:**	SW846 8260C
Lab FileID:	V156932.D	**Analyst approved:**	10/29/15 11:30 Dana Tryon
Injection Time:	10/28/15 19:35	**Supervisor approved:**	11/01/15 15:12 Jessica Reitan-Chu

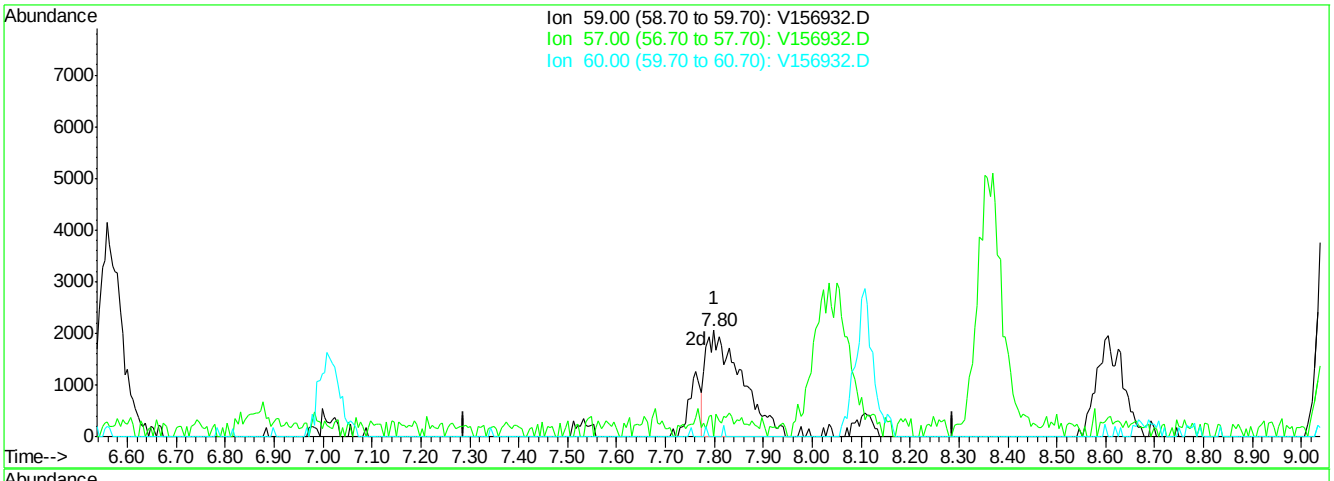
Parameter	CAS	Sig#	R.T. (min.)	Reason
Allyl chloride	107-05-1		7.55	Missed peak
Tert Butyl Alcohol	75-65-0		7.80	Poor instrument integration
Methyl Acrylate	96-33-3		9.48	Poor instrument integration
Isopropyl Acetate	108-21-4		10.38	Missed peak

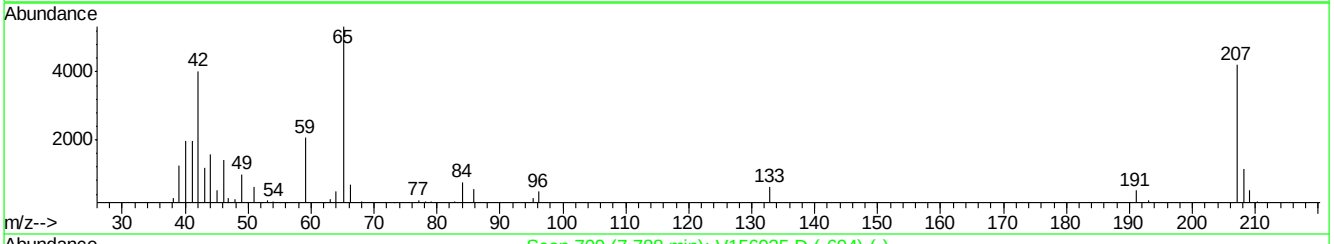
Quantitation Report (Qedit)

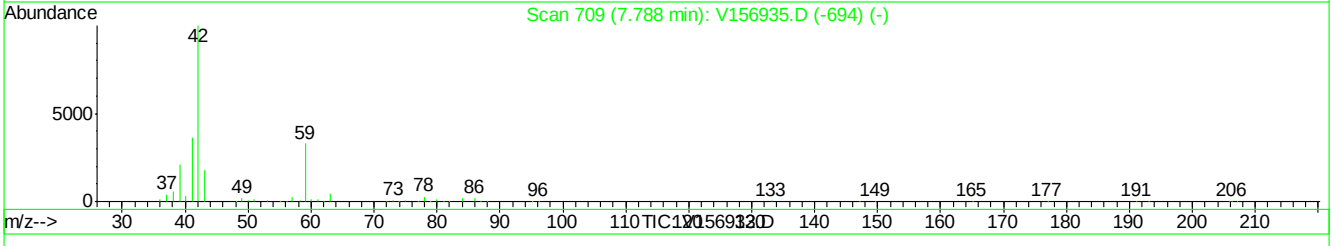
Data File : C:\MSDChem\1\DATA\V156932.D Vial: 6
Acq On : 28 Oct 2015 7:35 pm Operator: payalr
Sample : ic6633-4 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:57:27 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:56:49 2015
Response via : Multiple Level Calibration







(2) tertiary butyl alcohol

7.80min 17.26ug/L

response 10468

Ion	Exp%	Act%
59.00	100	100
57.00	7.90	0.00
60.00	3.60	0.00
0.00	0.00	0.00

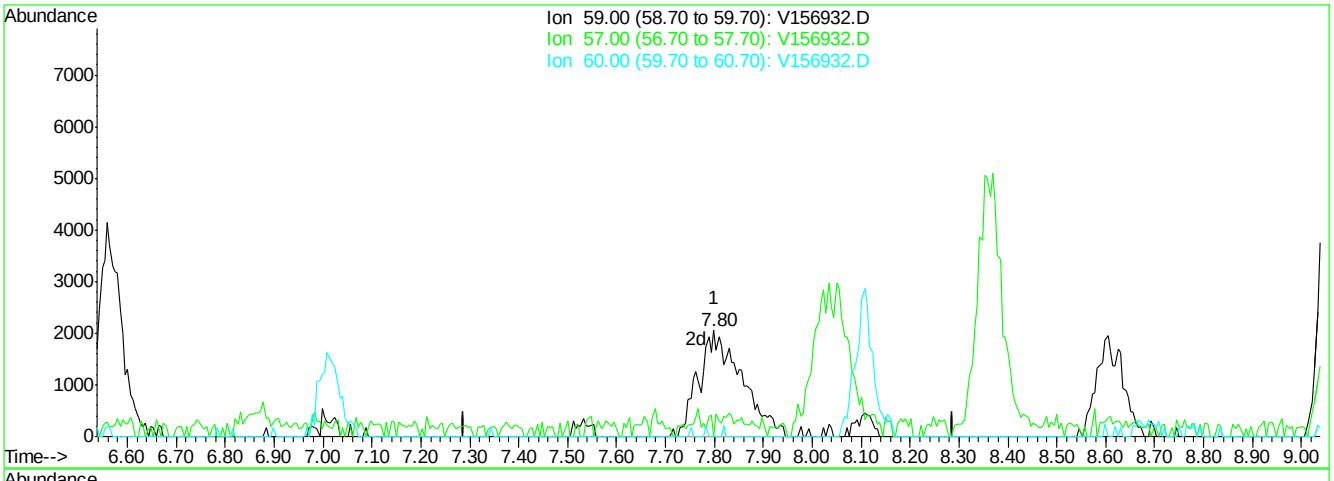
V156932.D MVS6633.M Thu Oct 29 09:57:59 2015 MSV

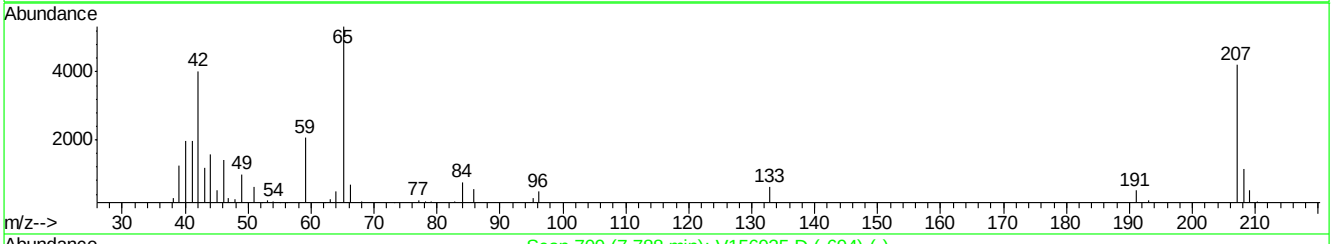
Quantitation Report (Qedit)

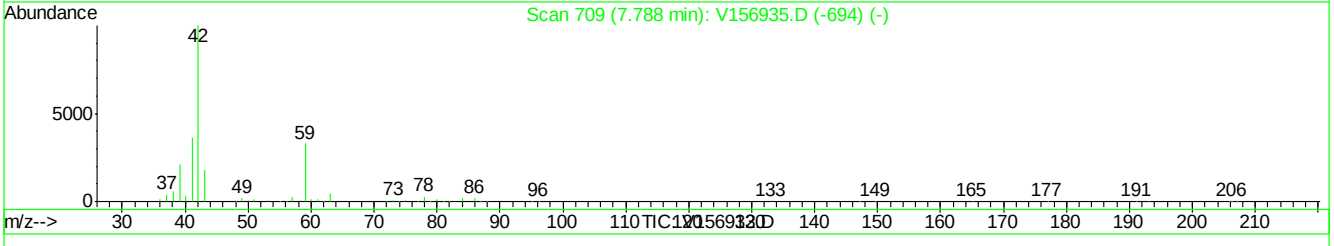
Data File : C:\MSDChem\1\DATA\V156932.D Vial: 6
Acq On : 28 Oct 2015 7:35 pm Operator: payalr
Sample : ic6633-4 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:57:27 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:56:49 2015
Response via : Multiple Level Calibration







(2) tertiary butyl alcohol

7.80min 20.58ug/L m

response 12484

Ion	Exp%	Act%
59.00	100	100
57.00	7.90	0.00
60.00	3.60	0.00
0.00	0.00	0.00

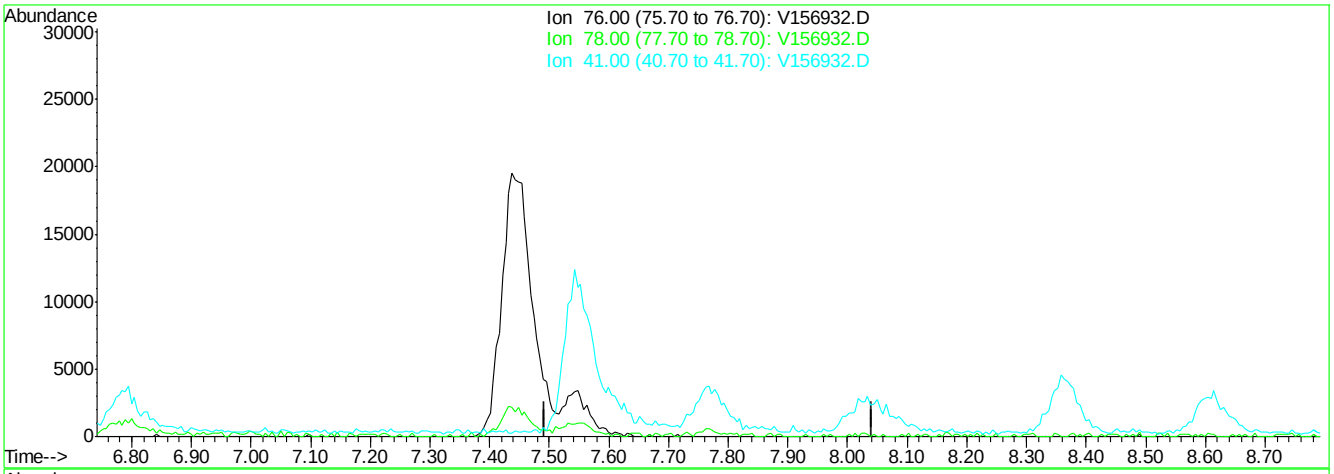
V156932.D MVS6633.M Thu Oct 29 09:58:07 2015 MSV

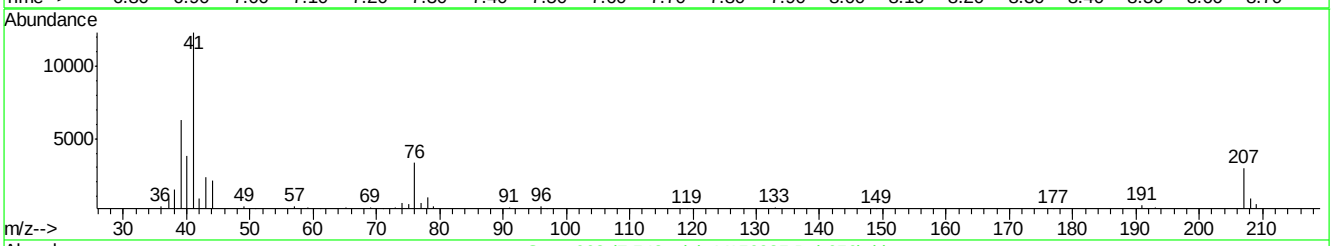
Quantitation Report (Qedit)

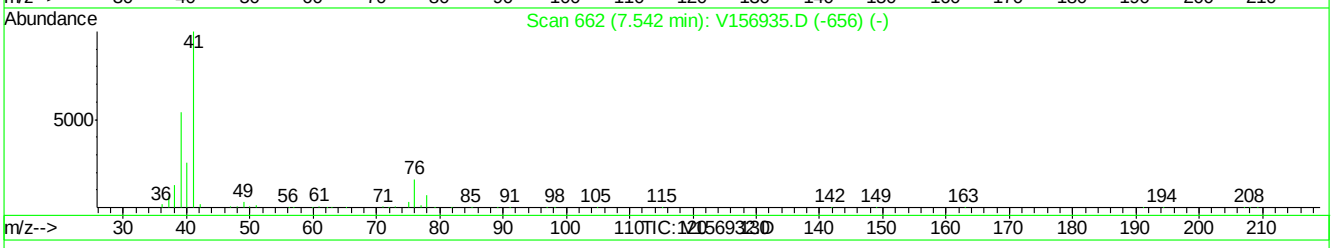
Data File : C:\MSDChem\1\DATA\V156932.D Vial: 6
Acq On : 28 Oct 2015 7:35 pm Operator: payalr
Sample : ic6633-4 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:57:27 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:56:49 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.54min 0.00ug/L

response 0

Ion	Exp%	Act%
76.00	100	0.00
78.00	29.90	0.00
41.00	371.30	0.00#
0.00	0.00	0.00

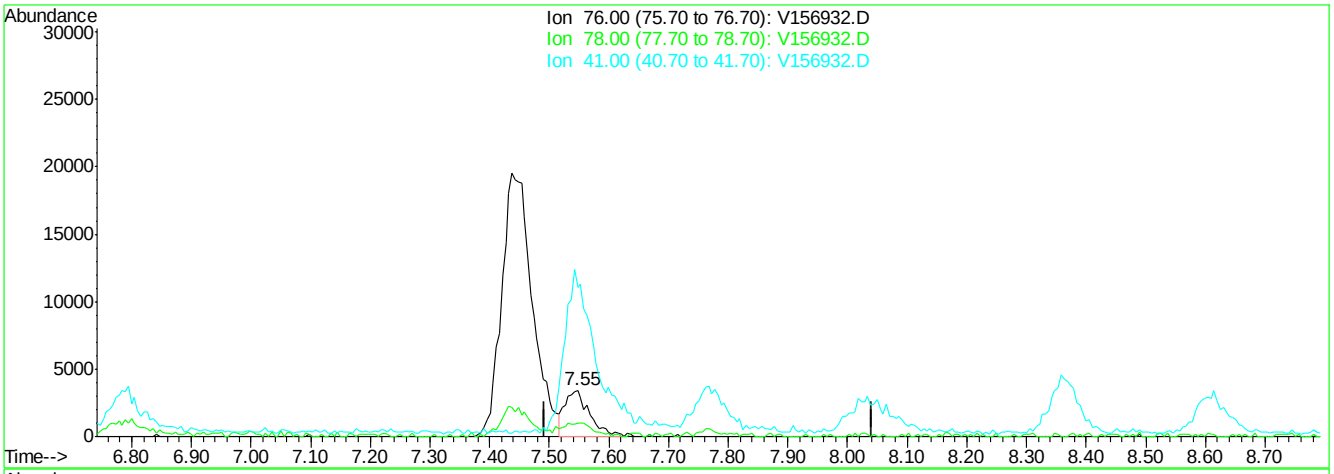
V156932.D MVS6633.M Thu Oct 29 09:58:45 2015 MSV

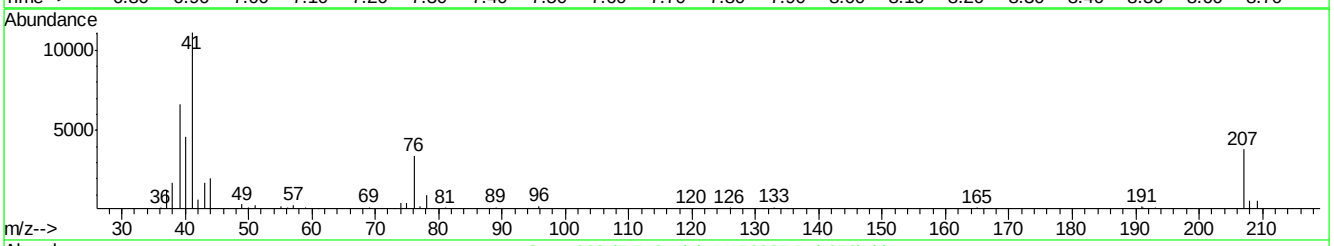
Quantitation Report (Qedit)

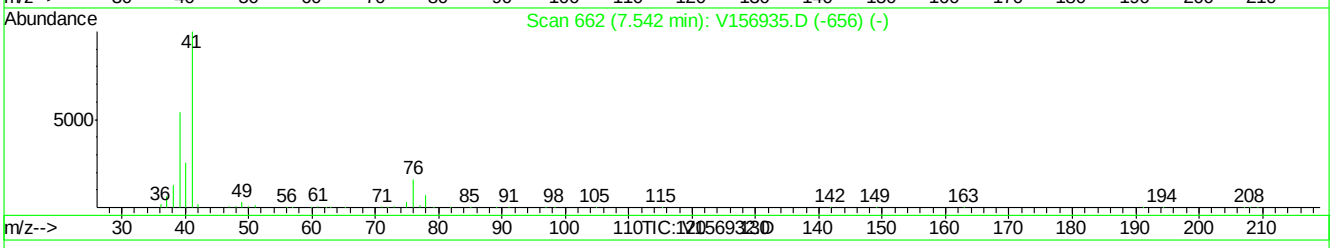
Data File : C:\MSDChem\1\DATA\V156932.D Vial: 6
Acq On : 28 Oct 2015 7:35 pm Operator: payalr
Sample : ic6633-4 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:57:27 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:56:49 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.55min 4.20ug/L m

response 9845

Ion	Exp%	Act%
76.00	100	100
78.00	29.90	28.62
41.00	371.30	324.87#
0.00	0.00	0.00

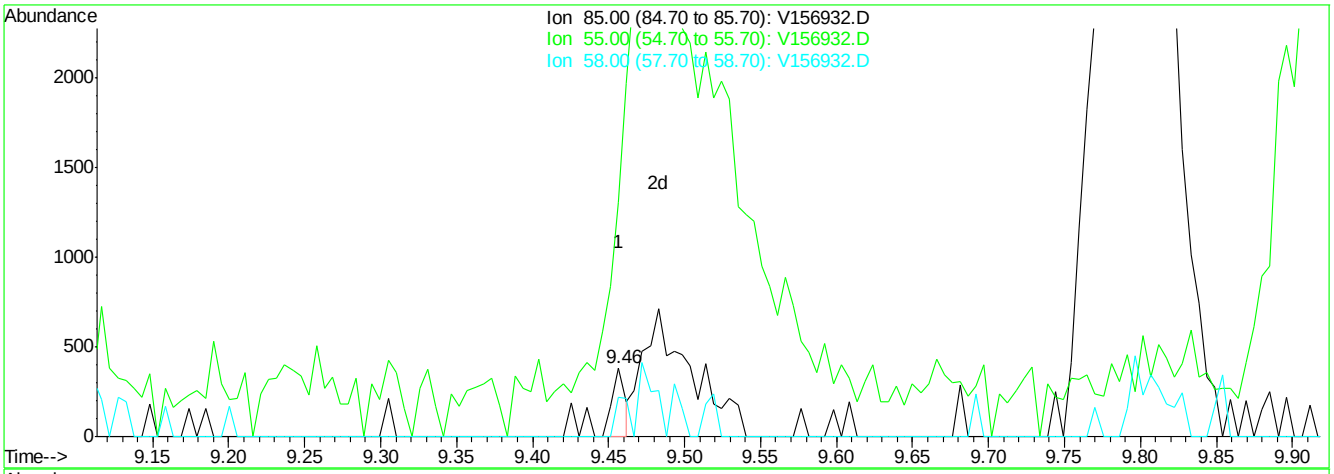
V156932.D MVS6633.M Thu Oct 29 09:58:58 2015 MSV

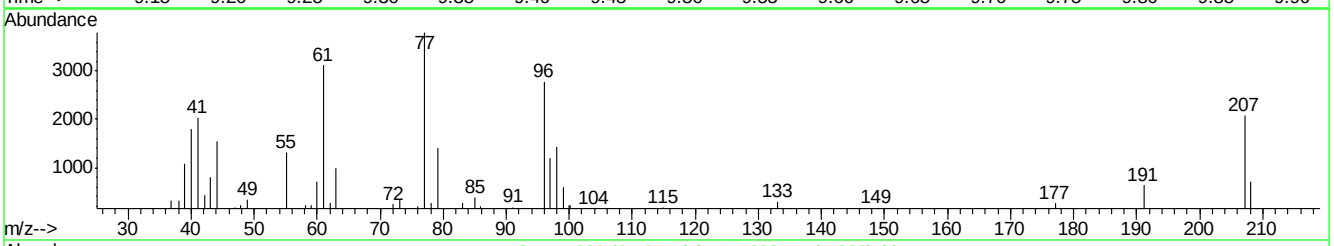
Quantitation Report (Qedit)

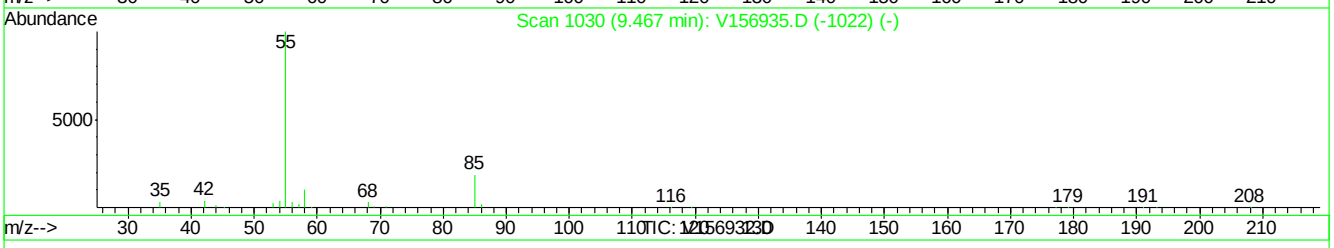
Data File : C:\MSDChem\1\DATA\V156932.D Vial: 6
Acq On : 28 Oct 2015 7:35 pm Operator: payalr
Sample : ic6633-4 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:57:27 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:56:49 2015
Response via : Multiple Level Calibration







(42) methyl acrylate

9.46min 0.51ug/L

response 233

Ion	Exp%	Act%
85.00	100	100
55.00	511.80	188.28#
58.00	55.10	56.51
0.00	0.00	0.00

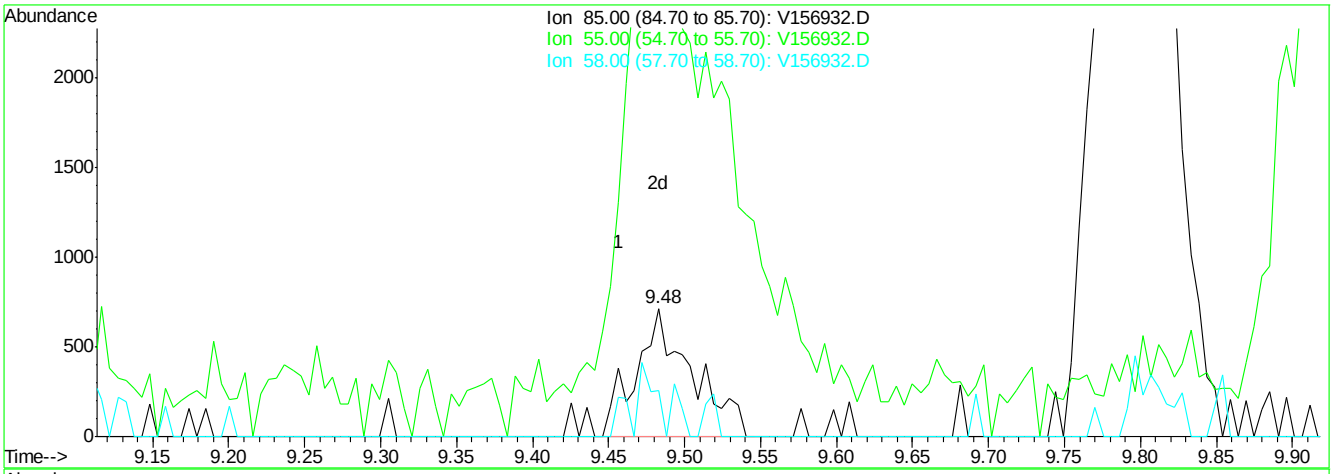
V156932.D MVS6633.M Thu Oct 29 09:59:36 2015 MSV

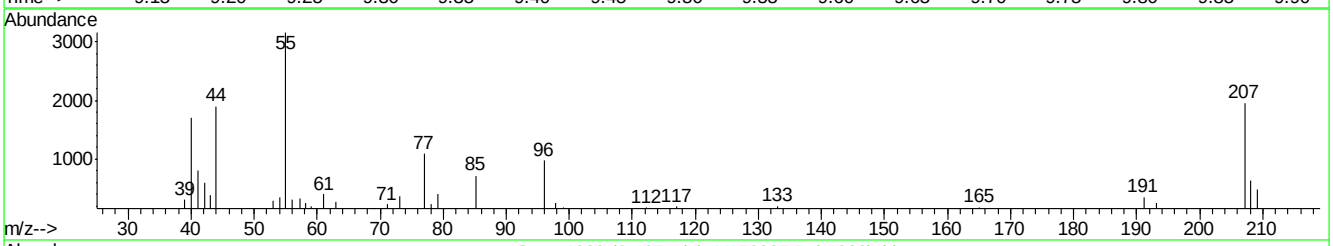
Quantitation Report (Qedit)

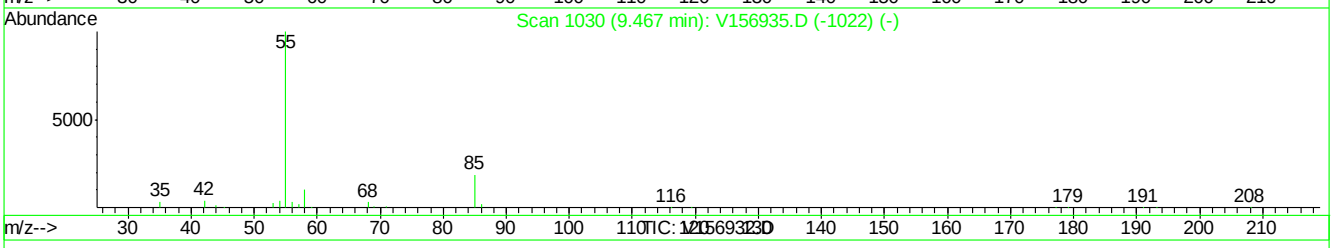
Data File : C:\MSDChem\1\DATA\V156932.D Vial: 6
Acq On : 28 Oct 2015 7:35 pm Operator: payalr
Sample : ic6633-4 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:57:27 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:56:49 2015
Response via : Multiple Level Calibration







(42) methyl acrylate

9.48min 3.97ug/L m

response 1824

Ion	Exp%	Act%
85.00	100	100
55.00	511.80	441.96#
58.00	55.10	35.80
0.00	0.00	0.00

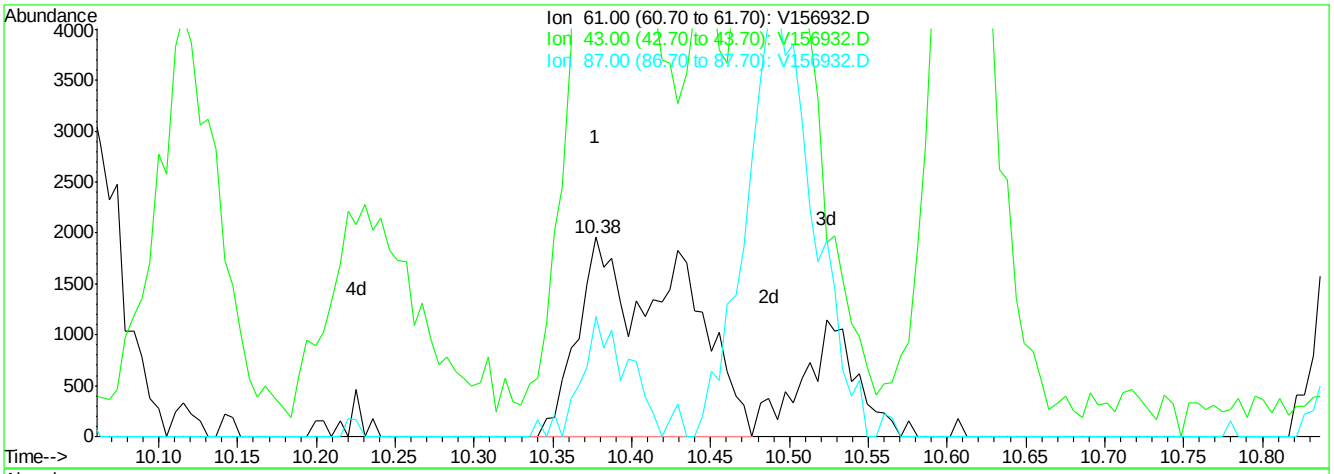
V156932.D MVS6633.M Thu Oct 29 09:59:40 2015 MSV

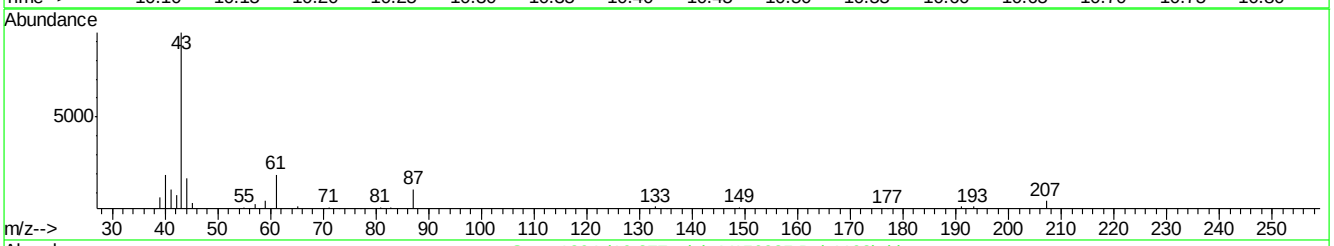
Quantitation Report (Qedit)

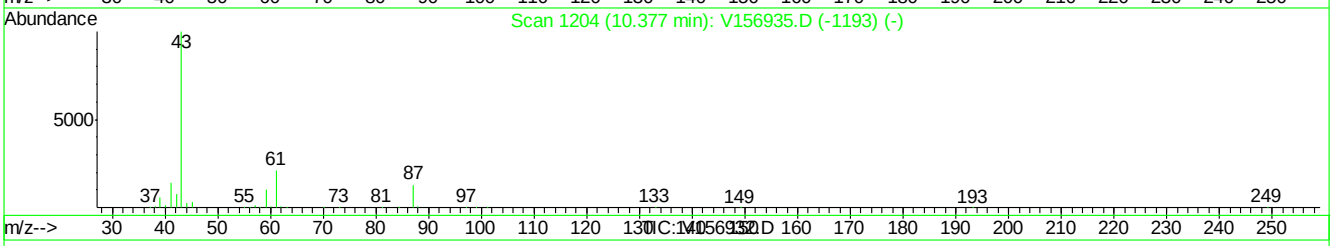
Data File : C:\MSDChem\1\DATA\V156932.D Vial: 6
Acq On : 28 Oct 2015 7:35 pm Operator: payalr
Sample : ic6633-4 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:59:38 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 10:01:30 2015
Response via : Multiple Level Calibration







(63) isopropyl acetate

10.38min 6.81ug/L

response 8715

Ion	Exp%	Act%
61.00	100	100
43.00	474.90	456.49
87.00	61.00	60.21
0.00	0.00	0.00

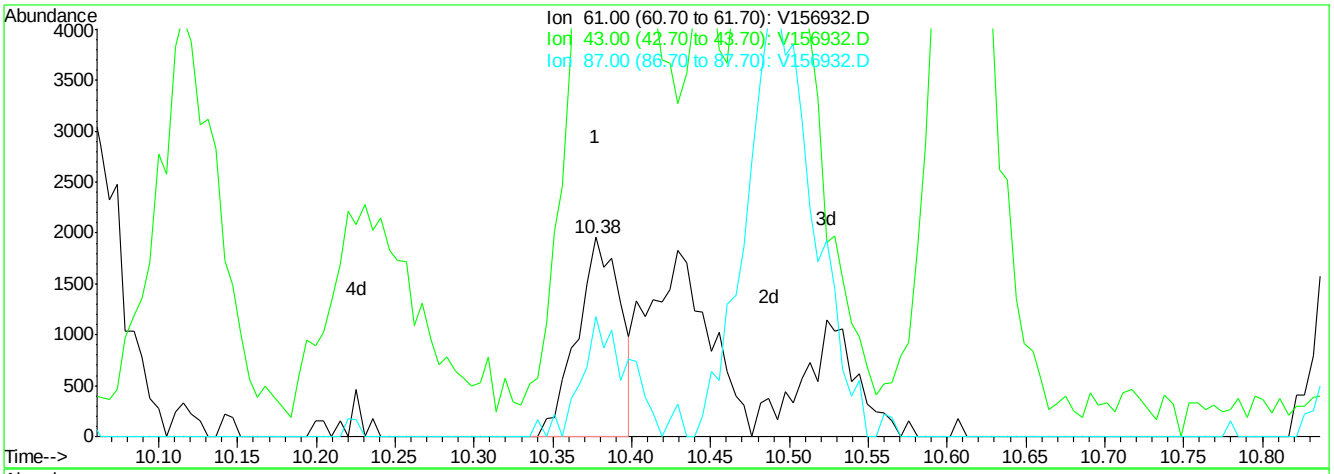
V156932.D MVS6633.M Thu Oct 29 10:02:36 2015 MSV

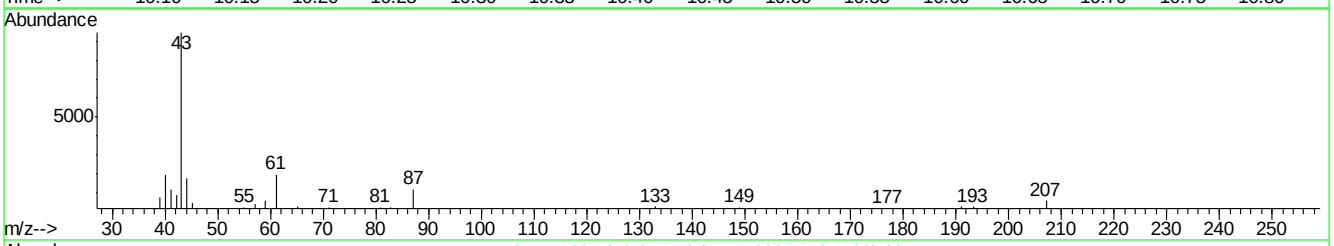
Quantitation Report (Qedit)

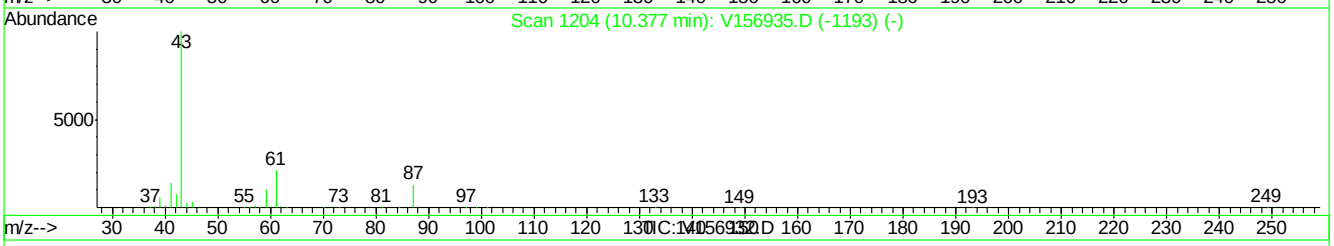
Data File : C:\MSDChem\1\DATA\V156932.D Vial: 6
Acq On : 28 Oct 2015 7:35 pm Operator: payalr
Sample : ic6633-4 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:59:38 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 10:01:30 2015
Response via : Multiple Level Calibration







(63) isopropyl acetate

10.38min 2.92ug/L m

response 3741

Ion	Exp%	Act%
61.00	100	100
43.00	474.90	483.20
87.00	61.00	60.21
0.00	0.00	0.00

V156932.D MVS6633.M Thu Oct 29 10:02:41 2015 MSV

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/01/15 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156933.D
Acq On : 28 Oct 2015 8:03 pm
Operator : payalr
Sample : ic6633-8
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 08:55:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:53:37 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.69	65	215043	500.00	ug/L	0.00
4) pentafluorobenzene	9.91	168	511635	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	598702	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	519251	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	301185	50.00	ug/L	0.00

System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	202176	49.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 99.80%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	195955	47.91	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 95.82%			
74) toluene-d8 (s)	12.59	98	721631	49.26	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.52%			
97) 4-bromofluorobenzene (s)	15.57	95	258789	50.83	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 101.66%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.80	59	20733	39.37	ug/L	87
3) 1,4-dioxane	11.63	88	8248	192.90	ug/L	86
6) chlorodifluoromethane	4.33	51	54562	7.69	ug/L	95
7) dichlorodifluoromethane	4.34	85	67764	8.35	ug/L	98
8) chloromethane	4.63	50	60301	7.92	ug/L	96
9) vinyl chloride	4.91	62	62576	7.96	ug/L	97
11) bromomethane	5.57	96	35289	7.87	ug/L	98
12) chloroethane	5.73	64	28553	8.09	ug/L	98
13) trichlorofluoromethane	6.19	101	64275	8.18	ug/L	89
15) ethyl ether	6.56	74	16859	7.97	ug/L	91
16) 2-chloropropane	6.78	43	67855	8.23	ug/L	99
17) acrolein	6.87	56	56221	77.04	ug/L	94
18) freon 113	6.95	151	27849	7.78	ug/L	96
19) 1,1-dichloroethene	7.01	61	55405	8.23	ug/L	97
20) acetone	7.08	58	3302	10.32	ug/L	63
21) iso-butyl alcohol	10.50	74	11033	75.43	ug/L	94
22) allyl chloride	7.55	76	17595m	7.20	ug/L	
23) acetonitrile	7.55	41	89333	80.61	ug/L #	92
24) iodomethane	7.32	142	74130	8.29	ug/L	96
25) carbon disulfide	7.44	76	144797	8.51	ug/L	100
26) methylene chloride	7.75	84	41536	8.57	ug/L	96
27) 1-chloropropane	7.77	42	69541	9.01	ug/L	92
28) methyl acetate	7.52	43	19880	8.27	ug/L	86
29) methyl tert butyl ether	8.04	73	112684	7.66	ug/L	98
30) trans-1,2-dichloroethene	8.11	61	52842	8.26	ug/L	97
31) di-isopropyl ether	8.61	45	119594	7.69	ug/L	96
32) 2-butanone	9.40	72	2899	7.07	ug/L #	72
33) 1,1-dichloroethane	8.68	63	64138	8.26	ug/L	98
34) chloroprene	8.78	53	47106	7.94	ug/L	98
35) acrylonitrile	8.10	53	47526	38.45	ug/L	97
36) vinyl acetate	8.66	86	4794	7.53	ug/L	33
37) ethyl tert-butyl ether	9.07	59	114654	7.38	ug/L	99
38) ethyl acetate	9.38	45	3419	7.86	ug/L #	57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156933.D
Acq On : 28 Oct 2015 8:03 pm
Operator : payalr
Sample : ic6633-8
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 08:55:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:53:37 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,2-dichloropropane	9.43	77	64892	8.28	ug/L		96
40) cis-1,2-dichloroethene	9.43	96	39896	8.23	ug/L		98
41) propionitrile	9.52	54	36057	74.36	ug/L		88
42) methyl acrylate	9.48	85	3417	7.12	ug/L	#	61
43) methacrylonitrile	9.69	67	9603	7.20	ug/L		91
44) bromochloromethane	9.75	128	17426	7.63	ug/L		94
45) tetrahydrofuran	9.79	42	10238	8.41	ug/L		93
46) chloroform	9.80	83	61488	8.13	ug/L		95
47) tert-Butyl Formate	9.81	59	25510	7.03	ug/L		92
50) 1,1,1-trichloroethane	10.05	97	62374	7.96	ug/L		92
51) Cyclohexane	10.11	84	60366	7.97	ug/L		81
53) methylcyclohexane	11.43	83	60893	8.01	ug/L		96
54) epichlorohydrin	12.21	57	12675	40.75	ug/L		99
55) n-butyl alcohol	11.00	56	38643	322.97	ug/L		92
56) carbon tetrachloride	10.25	117	53970	8.18	ug/L		98
57) 1,1-dichloropropene	10.22	75	42088	8.10	ug/L		99
58) hexane	8.36	57	34350	8.43	ug/L		97
59) 2,2,4-Trimethylpentane	10.44	57	116872	7.38	ug/L		98
60) benzene	10.50	78	132796	8.04	ug/L		98
61) tert-amyl methyl ether	10.49	73	107951	7.51	ug/L		99
62) heptane	10.61	57	20448	7.77	ug/L		93
63) isopropyl acetate	10.39	61	8996	6.67	ug/L	#	87
64) 1,2-dichloroethane	10.52	62	39620	8.00	ug/L		94
66) trichloroethene	11.22	95	31736	8.02	ug/L		91
67) 2-chloroethyl vinyl ether	12.05	63	69836	35.88	ug/L		97
68) methyl methacrylate	11.48	100	6078	7.42	ug/L	#	74
69) 1,2-dichloropropane	11.51	63	32416	8.13	ug/L		99
70) dibromomethane	11.69	93	19088	8.33	ug/L		88
71) bromodichloromethane	11.82	83	42876	7.93	ug/L		93
72) 2-nitropropane	12.06	41	9333	7.40	ug/L		95
73) cis-1,3-dichloropropene	12.29	75	47284	7.80	ug/L		96
75) 4-methyl-2-pentanone	12.38	58	10008	7.21	ug/L	#	75
76) toluene	12.67	92	79252	7.91	ug/L		91
77) isoamyl alcohol	12.41	55	26400	131.74	ug/L		89
78) trans-1,3-dichloropropene	12.90	75	39364	7.43	ug/L		97
79) ethyl methacrylate	12.86	69	32247	7.55	ug/L	#	95
80) 1,1,2-trichloroethane	13.14	83	19965	7.81	ug/L		94
81) 2-hexanone	13.31	58	7620	6.58	ug/L		88
83) tetrachloroethene	13.31	166	35388	7.87	ug/L		96
84) 1,3-dichloropropane	13.35	76	36746	7.66	ug/L		96
85) butyl acetate	13.38	56	15132	7.59	ug/L	#	66
86) 3,3-Dimethyl-1-Butanol	13.50	69	24644	67.28	ug/L		91
87) dibromochloromethane	13.64	129	30384	7.80	ug/L		97
88) 1,2-dibromoethane	13.81	107	23906	7.96	ug/L		97
89) chlorobenzene	14.31	112	86212	8.23	ug/L		96
90) 1,1,1,2-tetrachloroethane	14.37	131	39572	8.07	ug/L		91
91) ethylbenzene	14.35	91	153685	8.12	ug/L		98
92) m,p-xylene	14.47	106	123600	16.35	ug/L		98
93) o-xylene	14.94	106	66229	7.98	ug/L		98
94) styrene	14.96	104	99009	8.04	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156933.D
Acq On : 28 Oct 2015 8:03 pm
Operator : payalr
Sample : ic6633-8
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 08:55:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:53:37 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
95) bromoform	15.29	173	21240	7.83	ug/L		94
96) cyclohexanone	15.56	55	15225	80.92	ug/L		90
99) isopropylbenzene	15.32	105	178835	7.64	ug/L		97
100) 1,1,2,2-tetrachloroethane	15.70	83	35172	7.34	ug/L		99
101) trans-1,4-dichloro-2-buten	15.73	53	9105	7.41	ug/L		92
102) 1,2,3-trichloropropane	15.79	110	8874	7.35	ug/L	#	83
103) bromobenzene	15.80	156	41380	7.81	ug/L		93
104) n-propylbenzene	15.77	91	194851	7.90	ug/L		97
105) 2-chlorotoluene	15.97	126	42755	7.85	ug/L	#	83
106) 4-chlorotoluene	16.07	91	111110	7.73	ug/L		94
107) 1,3,5-trimethylbenzene	15.94	105	153370	7.51	ug/L		99
108) tert-butylbenzene	16.33	119	131206	7.33	ug/L		99
109) pentachloroethane	16.45	167	28677	7.22	ug/L		96
110) 1,2,4-trimethylbenzene	16.39	105	153332	7.62	ug/L		97
111) sec-butylbenzene	16.58	105	212451	7.50	ug/L		100
112) p-isopropyltoluene	16.70	119	176566	7.52	ug/L		97
113) 1,3-dichlorobenzene	16.82	146	88682	8.18	ug/L		99
114) 1,4-dichlorobenzene	16.90	146	85655	8.07	ug/L		97
115) 1,2-dichlorobenzene	17.35	146	88286	7.82	ug/L		95
116) Benzyl Chloride	17.04	91	73365	7.76	ug/L		94
118) n-butylbenzene	17.17	92	90718	7.79	ug/L		97
119) hexachloroethane	17.63	201	30352	7.08	ug/L		95
120) 1,2-dibromo-3-chloropropan	18.22	157	9735	7.44	ug/L		99
121) 1,3,5-trichlorobenzene	18.40	180	93547	7.99	ug/L		97
122) 1,2,4-trichlorobenzene	19.14	180	89708	8.02	ug/L		99
123) hexachlorobutadiene	19.25	225	48019	7.42	ug/L		94
124) naphthalene	19.49	128	178641	7.62	ug/L		99
125) 1,2,3-trichlorobenzene	19.80	180	86382	7.70	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

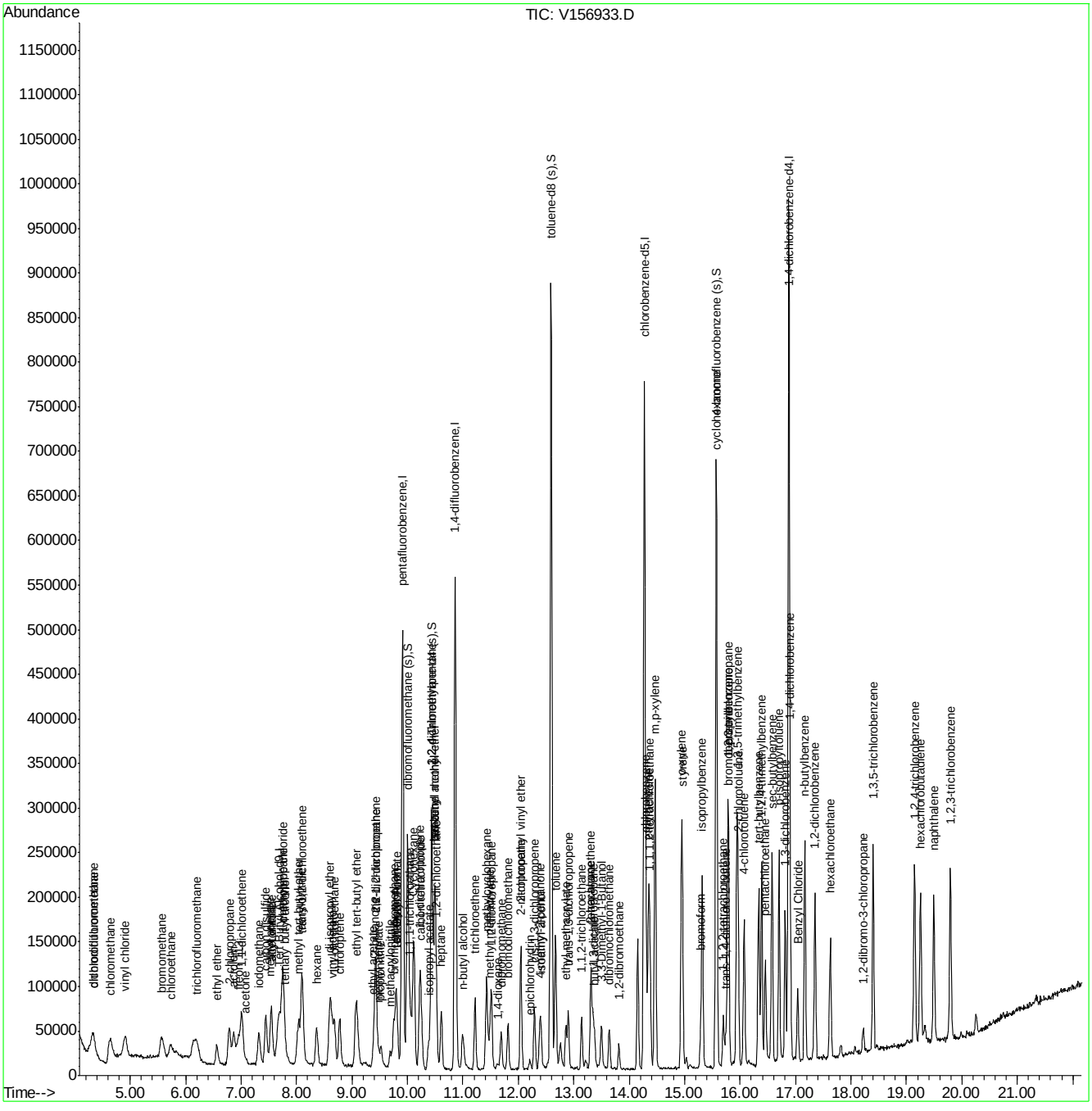
7.7.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156933.D
Acq On : 28 Oct 2015 8:03 pm
Operator : payalr
Sample : ic6633-8
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 08:55:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:53:37 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Manual Integration Approval Summary

Sample Number:	VV6633-IC6633	**Method:**	SW846 8260C
Lab FileID:	V156933.D	**Analyst approved:**	10/29/15 11:30 Dana Tryon
Injection Time:	10/28/15 20:03	**Supervisor approved:**	11/01/15 15:12 Jessica Reitan-Chu

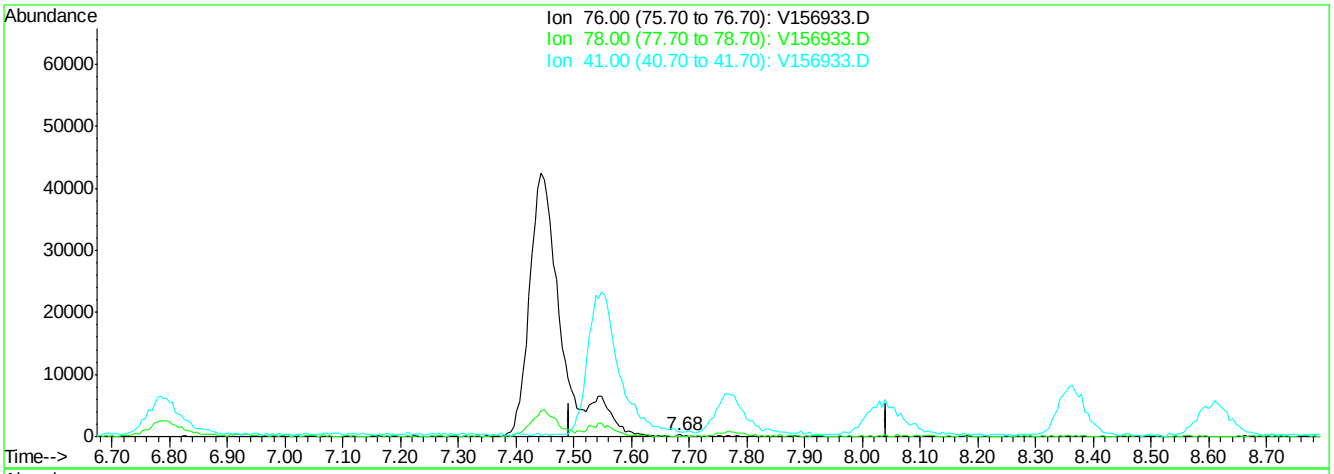
Parameter	CAS	Sig#	R.T. (min.)	Reason
Allyl chloride	107-05-1		7.55	Missed peak

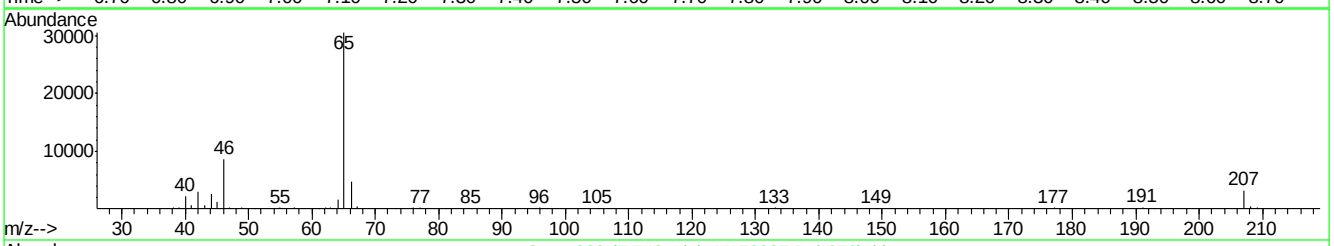
Quantitation Report (Qedit)

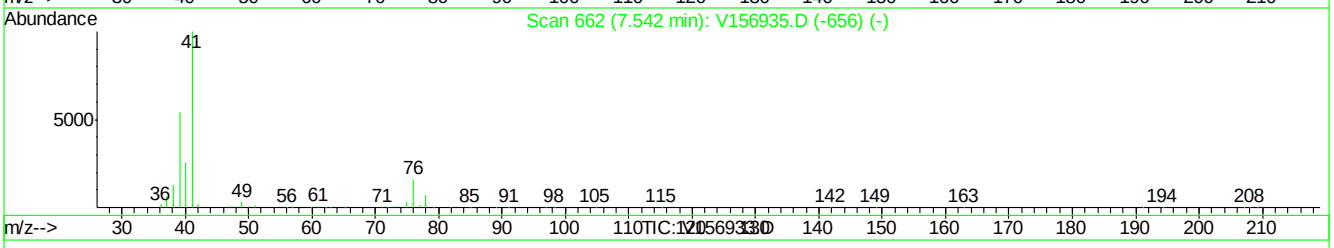
Data File : C:\MSDChem\1\DATA\V156933.D Vial: 7
Acq On : 28 Oct 2015 8:03 pm Operator: payalr
Sample : ic6633-8 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:53:47 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:53:37 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.68min 0.10ug/L

response 237

Ion	Exp%	Act%
76.00	100	100
78.00	29.90	0.00
41.00	371.30	28.30#
0.00	0.00	0.00

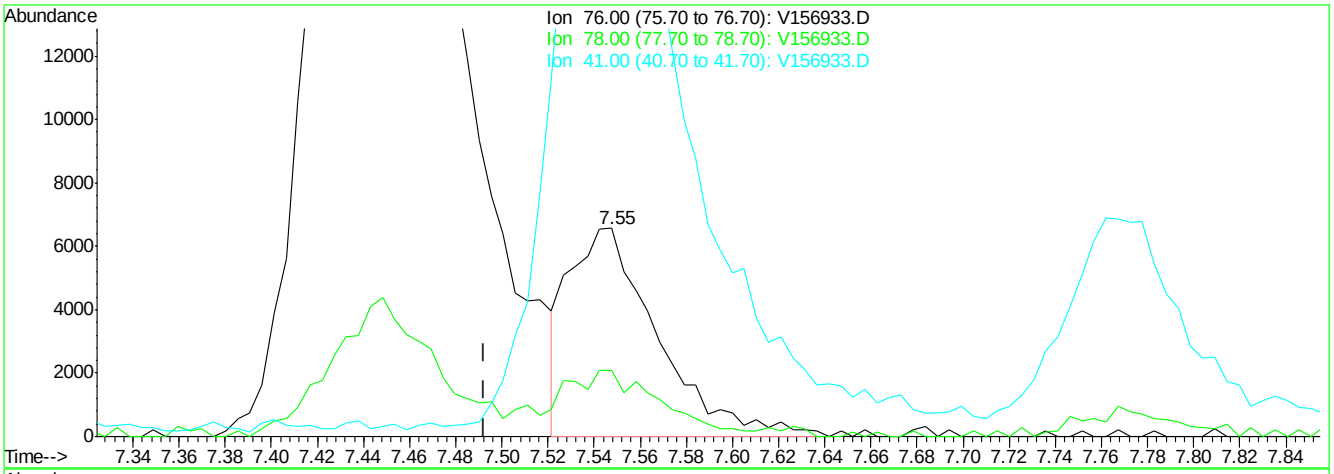
V156933.D MVS6633.M Thu Oct 29 09:55:03 2015 MSV

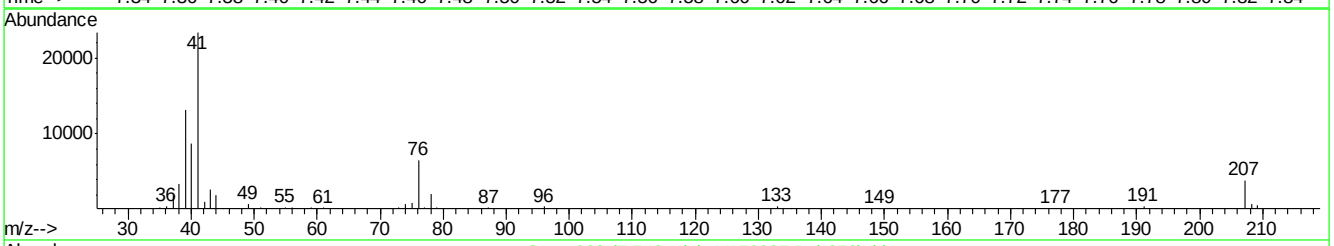
Quantitation Report (Qedit)

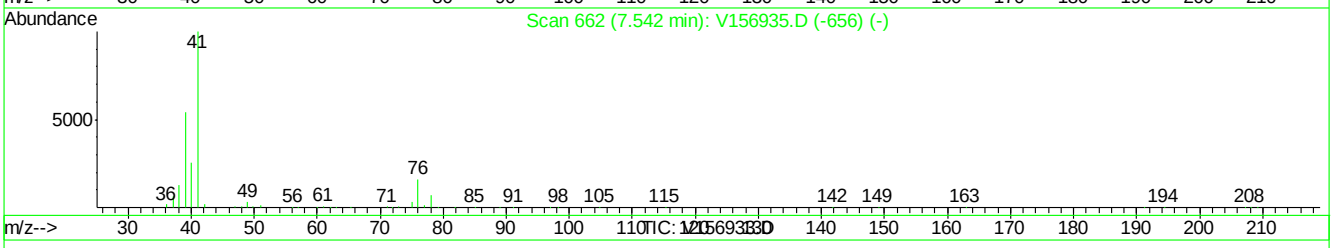
Data File : C:\MSDChem\1\DATA\V156933.D Vial: 7
Acq On : 28 Oct 2015 8:03 pm Operator: payalr
Sample : ic6633-8 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:53:47 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:53:37 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.55min 7.20ug/L m

response 17595

Ion	Exp%	Act%
76.00	100	100
78.00	29.90	31.73
41.00	371.30	355.87
0.00	0.00	0.00

V156933.D MVS6633.M Thu Oct 29 09:55:15 2015 MSV

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/01/15 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156934.D
Acq On : 28 Oct 2015 8:32 pm
Operator : payalr
Sample : ic6633-20
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 29 08:52:14 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:50:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.68	65	241628	500.00	ug/L	0.00
4) pentafluorobenzene	9.91	168	507679	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	598068	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	528436	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	301738	50.00	ug/L	0.00

System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	197129	48.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 97.44%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	197194	48.14	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 96.28%			
74) toluene-d8 (s)	12.59	98	738786	50.65	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 101.30%			
97) 4-bromofluorobenzene (s)	15.57	95	261533	50.63	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 101.26%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.78	59	59216	100.11	ug/L	99
3) 1,4-dioxane	11.63	88	23384	482.45	ug/L	94
6) chlorodifluoromethane	4.32	51	139635	19.79	ug/L	99
7) dichlorodifluoromethane	4.30	85	168347	21.22	ug/L	95
8) chloromethane	4.63	50	145557	19.02	ug/L	98
9) vinyl chloride	4.90	62	150794	19.13	ug/L	100
11) bromomethane	5.56	96	84544	18.70	ug/L	95
12) chloroethane	5.72	64	67987	19.22	ug/L	92
13) trichlorofluoromethane	6.17	101	157221	20.21	ug/L	97
15) ethyl ether	6.56	74	41963	19.99	ug/L	98
16) 2-chloropropane	6.78	43	163506	19.99	ug/L	93
17) acrolein	6.86	56	142063	194.96	ug/L	99
18) freon 113	6.95	151	73261	20.85	ug/L	98
19) 1,1-dichloroethene	7.01	61	132492	19.76	ug/L	95
20) acetone	7.08	58	6622	21.17	ug/L	99
21) iso-butyl alcohol	10.49	74	28069	191.28	ug/L	97
22) allyl chloride	7.53	76	49071m	20.31	ug/L	
23) acetonitrile	7.54	41	216757	196.16	ug/L	98
24) iodomethane	7.32	142	172622	19.28	ug/L	99
25) carbon disulfide	7.44	76	337906	20.02	ug/L	99
26) methylene chloride	7.75	84	96795	20.17	ug/L	94
27) 1-chloropropane	7.76	42	157657	20.77	ug/L	98
28) methyl acetate	7.52	43	47869	20.08	ug/L	98
29) methyl tert butyl ether	8.03	73	286162	19.47	ug/L	99
30) trans-1,2-dichloroethene	8.10	61	129744	20.60	ug/L	97
31) di-isopropyl ether	8.60	45	300939	19.35	ug/L	96
32) 2-butanone	9.39	72	7903	19.25	ug/L	60
33) 1,1-dichloroethane	8.68	63	151369	19.54	ug/L	98
34) chloroprene	8.77	53	114242	19.21	ug/L	97
35) acrylonitrile	8.09	53	121724	99.01	ug/L	98
36) vinyl acetate	8.64	86	12103	18.89	ug/L	99
37) ethyl tert-butyl ether	9.07	59	294590	18.82	ug/L	98
38) ethyl acetate	9.38	45	9112	21.50	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156934.D
Acq On : 28 Oct 2015 8:32 pm
Operator : payalr
Sample : ic6633-20
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 29 08:52:14 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:50:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) 2,2-dichloropropane	9.41	77	157127	20.29 ug/L	97
40) cis-1,2-dichloroethene	9.42	96	94842	19.63 ug/L	91
41) propionitrile	9.51	54	94727	195.87 ug/L	97
42) methyl acrylate	9.47	85	9511	19.95 ug/L #	83
43) methacrylonitrile	9.69	67	26883	20.41 ug/L	99
44) bromochloromethane	9.75	128	45155	19.91 ug/L	93
45) tetrahydrofuran	9.79	42	23465	19.25 ug/L	92
46) chloroform	9.80	83	148584	19.74 ug/L	94
47) tert-Butyl Formate	9.81	59	66571	18.02 ug/L	94
50) 1,1,1-trichloroethane	10.04	97	155117	19.93 ug/L	96
51) Cyclohexane	10.11	84	153845	20.65 ug/L	80
53) methylcyclohexane	11.43	83	154681	20.50 ug/L	96
54) epichlorohydrin	12.20	57	31542	102.03 ug/L	95
55) n-butyl alcohol	10.99	56	115475	955.34 ug/L	97
56) carbon tetrachloride	10.25	117	133344	20.30 ug/L	96
57) 1,1-dichloropropene	10.22	75	103784	19.99 ug/L	92
58) hexane	8.36	57	88172	22.27 ug/L	99
59) 2,2,4-Trimethylpentane	10.45	57	311789	19.60 ug/L	98
60) benzene	10.49	78	330705	20.06 ug/L	97
61) tert-amyl methyl ether	10.49	73	277334	19.10 ug/L	96
62) heptane	10.61	57	56491	22.03 ug/L	96
63) isopropyl acetate	10.37	61	28948	22.05 ug/L	92
64) 1,2-dichloroethane	10.52	62	99183	20.05 ug/L	97
66) trichloroethene	11.22	95	78319	19.77 ug/L	96
67) 2-chloroethyl vinyl ether	12.05	63	188691	96.12 ug/L	99
68) methyl methacrylate	11.48	100	15707	18.95 ug/L #	83
69) 1,2-dichloropropane	11.51	63	79407	19.92 ug/L	100
70) dibromomethane	11.68	93	45894	20.05 ug/L	97
71) bromodichloromethane	11.81	83	105225	19.31 ug/L	98
72) 2-nitropropane	12.06	41	24949	19.74 ug/L #	91
73) cis-1,3-dichloropropene	12.29	75	120301	19.84 ug/L	99
75) 4-methyl-2-pentanone	12.38	58	27959	20.21 ug/L	93
76) toluene	12.67	92	199620	19.93 ug/L	95
77) isoamyl alcohol	12.40	55	80629	403.71 ug/L	98
78) trans-1,3-dichloropropene	12.90	75	104132	19.58 ug/L	97
79) ethyl methacrylate	12.86	69	85319	19.99 ug/L	96
80) 1,1,2-trichloroethane	13.14	83	51805	20.38 ug/L	95
81) 2-hexanone	13.31	58	24399	21.50 ug/L	95
83) tetrachloroethene	13.31	166	92682	20.34 ug/L	98
84) 1,3-dichloropropane	13.34	76	96518	19.69 ug/L	96
85) butyl acetate	13.37	56	40337	19.85 ug/L	100
86) 3,3-Dimethyl-1-Butanol	13.50	69	73016	194.55 ug/L #	97
87) dibromochloromethane	13.64	129	77606	19.45 ug/L	99
88) 1,2-dibromoethane	13.81	107	61208	20.04 ug/L	88
89) chlorobenzene	14.30	112	214787	20.21 ug/L	97
90) 1,1,1,2-tetrachloroethane	14.37	131	97333	19.36 ug/L	96
91) ethylbenzene	14.35	91	389328	20.28 ug/L	98
92) m,p-xylene	14.47	106	309885	40.37 ug/L	98
93) o-xylene	14.94	106	170027	20.18 ug/L	93
94) styrene	14.96	104	252297	20.19 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156934.D
Acq On : 28 Oct 2015 8:32 pm
Operator : payalr
Sample : ic6633-20
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 29 08:52:14 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:50:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
95) bromoform	15.29	173	54353	19.58 ug/L	99
96) cyclohexanone	15.55	55	39834	210.87 ug/L	99
99) isopropylbenzene	15.32	105	451485	19.00 ug/L	100
100) 1,1,2,2-tetrachloroethane	15.70	83	94275	19.53 ug/L	98
101) trans-1,4-dichloro-2-buten	15.74	53	24370	19.74 ug/L	97
102) 1,2,3-trichloropropane	15.78	110	24224	20.03 ug/L #	61
103) bromobenzene	15.80	156	103688	19.39 ug/L	96
104) n-propylbenzene	15.78	91	483793	19.45 ug/L	99
105) 2-chlorotoluene	15.96	126	108667	19.90 ug/L	97
106) 4-chlorotoluene	16.07	91	285203	19.73 ug/L	97
107) 1,3,5-trimethylbenzene	15.94	105	393886	19.03 ug/L	98
108) tert-butylbenzene	16.33	119	336072	18.34 ug/L	97
109) pentachloroethane	16.45	167	72590	17.71 ug/L	96
110) 1,2,4-trimethylbenzene	16.39	105	391396	19.23 ug/L	99
111) sec-butylbenzene	16.57	105	543283	18.86 ug/L	99
112) p-isopropyltoluene	16.70	119	453456	19.04 ug/L	99
113) 1,3-dichlorobenzene	16.81	146	215890	19.83 ug/L	98
114) 1,4-dichlorobenzene	16.90	146	211113	19.80 ug/L	97
115) 1,2-dichlorobenzene	17.35	146	222387	19.56 ug/L	99
116) Benzyl Chloride	17.04	91	189037	19.94 ug/L	100
118) n-butylbenzene	17.17	92	232857	19.94 ug/L	97
119) hexachloroethane	17.63	201	77589	17.51 ug/L	94
120) 1,2-dibromo-3-chloropropan	18.22	157	26016	19.81 ug/L	95
121) 1,3,5-trichlorobenzene	18.40	180	233894	19.91 ug/L	98
122) 1,2,4-trichlorobenzene	19.15	180	222029	19.76 ug/L	97
123) hexachlorobutadiene	19.25	225	122686	18.59 ug/L	92
124) naphthalene	19.49	128	462129	19.58 ug/L	99
125) 1,2,3-trichlorobenzene	19.79	180	221152	19.58 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

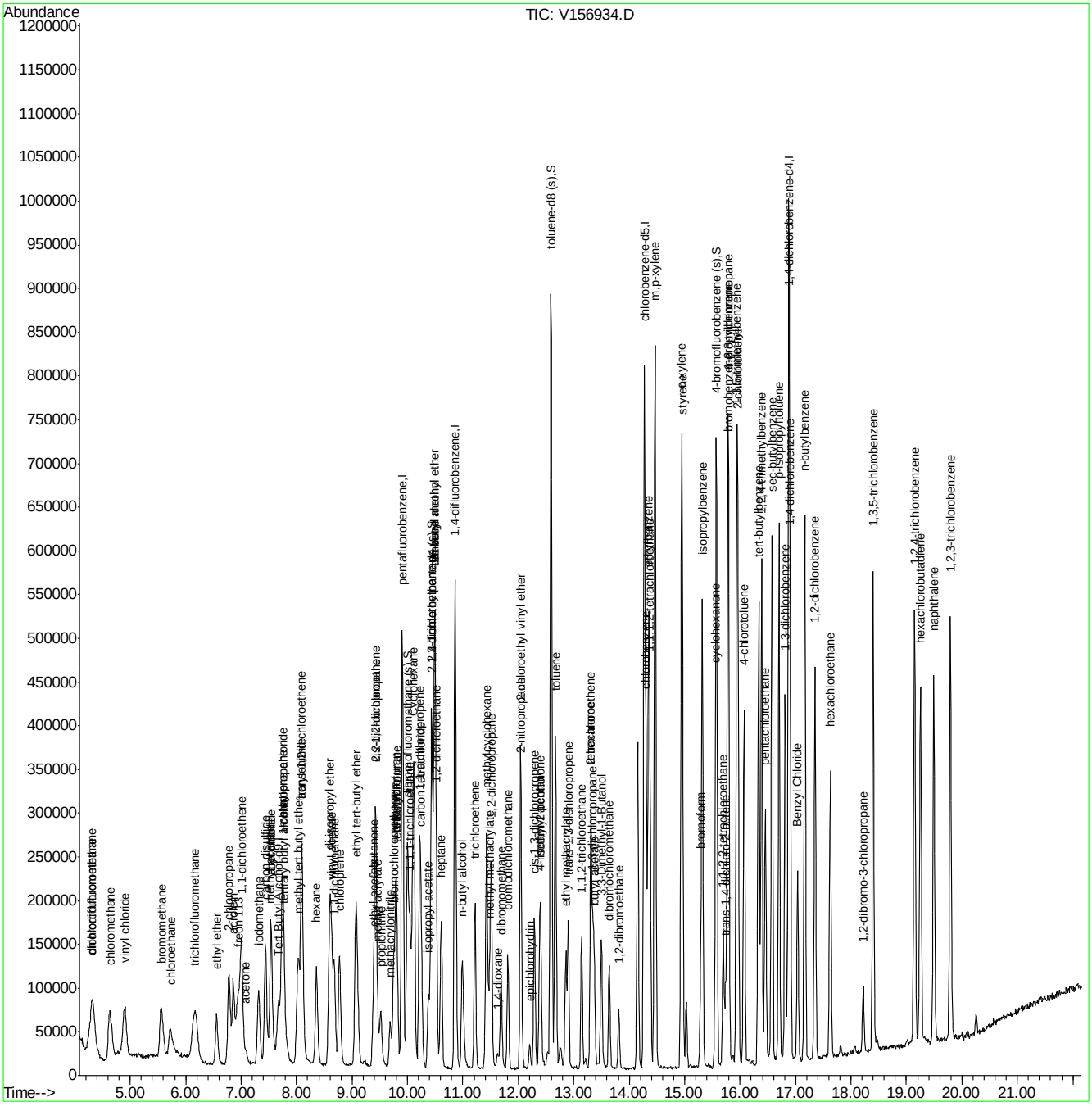
7.7.18

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156934.D
Acq On : 28 Oct 2015 8:32 pm
Operator : payalr
Sample : ic6633-20
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 29 08:52:14 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:50:59 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Manual Integration Approval Summary

Sample Number:	VV6633-IC6633	**Method:**	SW846 8260C
Lab FileID:	V156934.D	**Analyst approved:**	10/29/15 11:30 Dana Tryon
Injection Time:	10/28/15 20:32	**Supervisor approved:**	11/01/15 15:12 Jessica Reitan-Chu

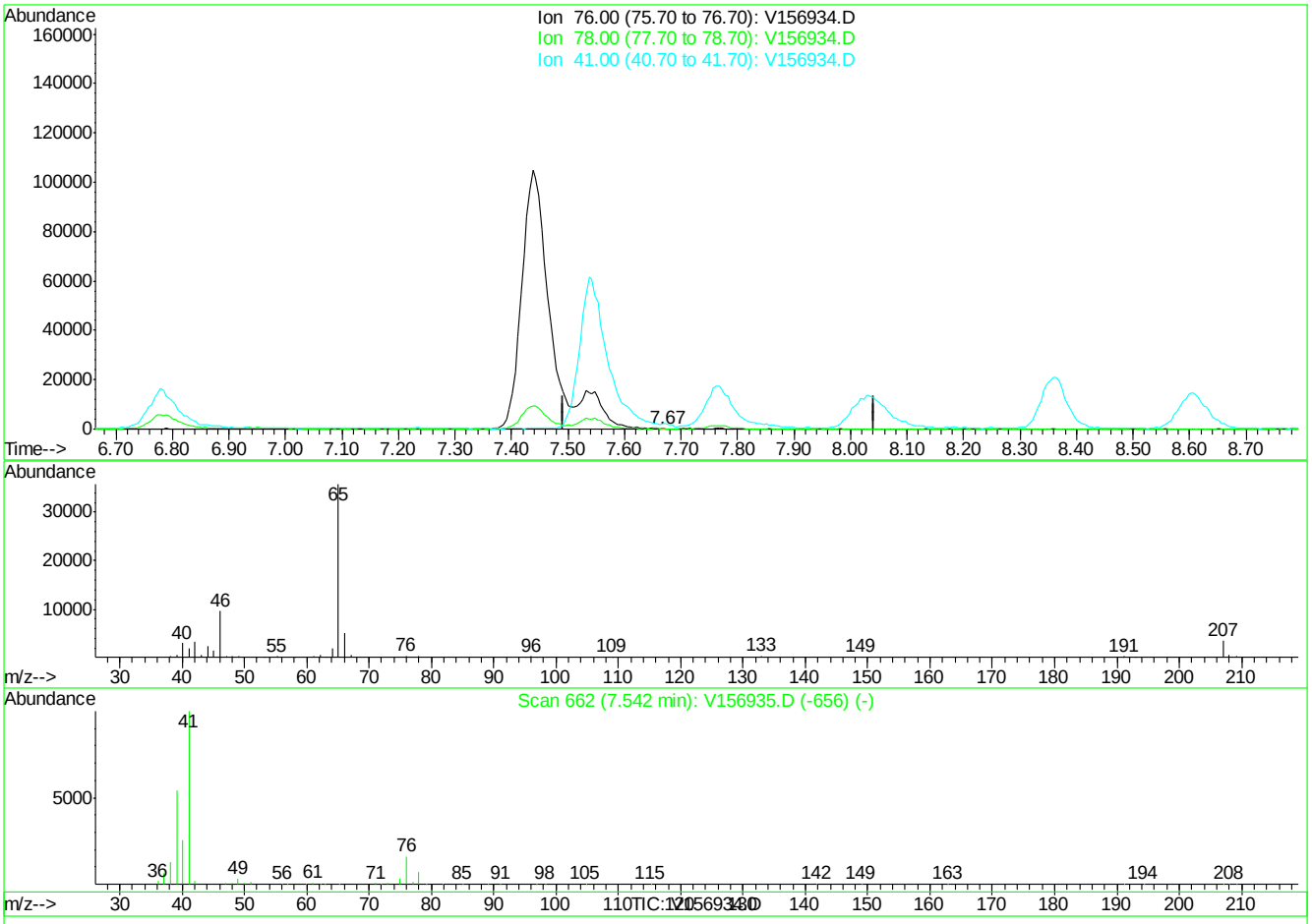
Parameter	CAS	Sig#	R.T. (min.)	Reason
Allyl chloride	107-05-1		7.53	Missed peak

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\DATA\V156934.D Vial: 8
Acq On : 28 Oct 2015 8:32 pm Operator: payalr
Sample : ic6633-20 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:51:12 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:50:59 2015
Response via : Multiple Level Calibration



(22) allyl chloride

7.67min 0.11ug/L

response 274

Ion	Exp%	Act%
76.00	100	100
78.00	29.90	74.82#
41.00	371.30	90.89#
0.00	0.00	0.00

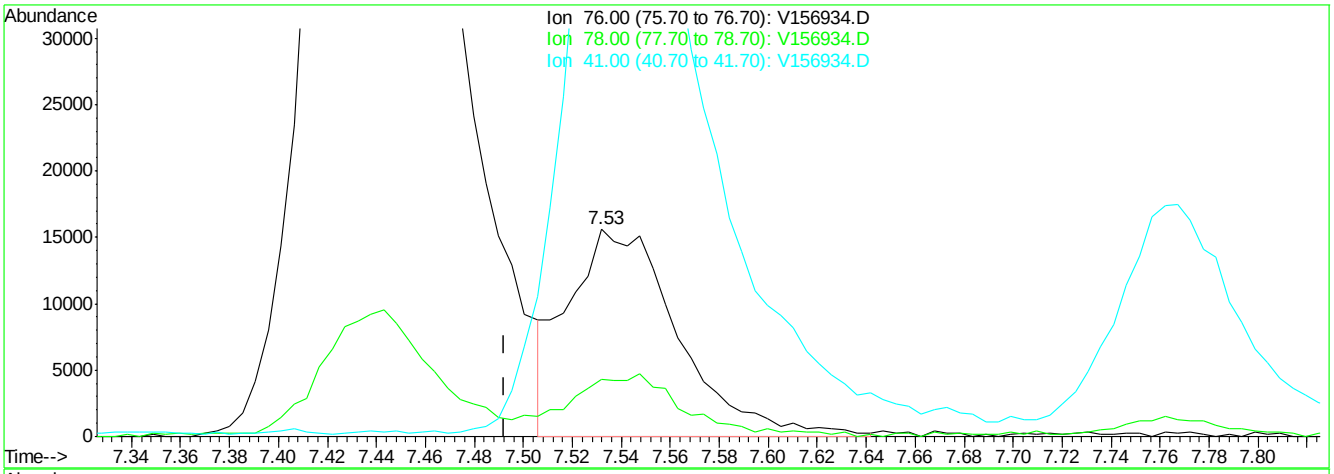
V156934.D MVS6633.M Thu Oct 29 09:52:08 2015 MSV

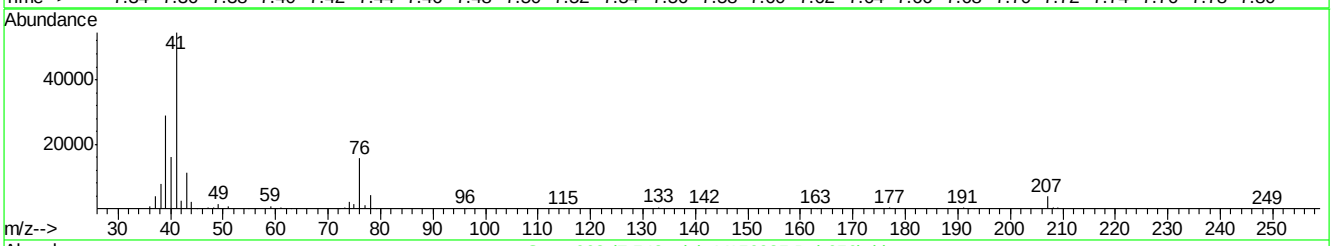
Quantitation Report (Qedit)

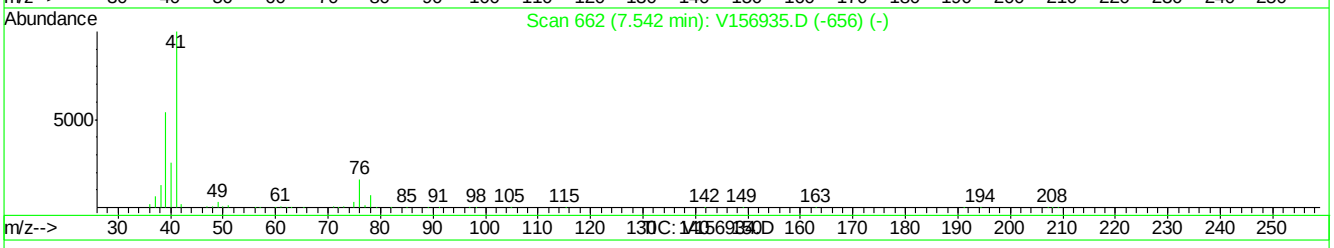
Data File : C:\MSDChem\1\DATA\V156934.D Vial: 8
Acq On : 28 Oct 2015 8:32 pm Operator: payalr
Sample : ic6633-20 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:51:12 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:50:59 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.53min 20.31ug/L m

response 49071

Ion	Exp%	Act%
76.00	100	100
78.00	29.90	27.79
41.00	371.30	348.91
0.00	0.00	0.00

V156934.D MVS6633.M Thu Oct 29 09:52:16 2015 MSV

V156935.D

Manual Integrations APPROVED (compounds with "m" flag)

Jessica Reitan-Chu 11/01/15 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156935.D
Acq On : 28 Oct 2015 9:00 pm
Operator : payalr
Sample : icc6633-50
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 08:43:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Oct 26 10:26:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.68	65	234068	500.00	ug/L	0.02
4) pentafluorobenzene	9.91	168	523371	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	629037	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	552265	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	309070	50.00	ug/L	0.00

System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	206004	44.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 88.04%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	201324	42.24	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 84.48%			
74) toluene-d8 (s)	12.59	98	754237	47.94	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 95.88%			
97) 4-bromofluorobenzene (s)	15.57	95	271643	55.80	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 111.60%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.79	59	144236	223.56	ug/L	89
3) 1,4-dioxane	11.63	88	58104	1289.88	ug/L	82
6) chlorodifluoromethane	4.33	51	364018	30.84	ug/L	97
7) dichlorodifluoromethane	4.31	85	408116	31.73	ug/L	99
8) chloromethane	4.64	50	381458	25.72	ug/L	99
9) vinyl chloride	4.91	62	395782	24.76	ug/L	97
11) bromomethane	5.58	96	235845	15.26	ug/L	98
12) chloroethane	5.72	64	181691	20.28	ug/L	94
13) trichlorofluoromethane	6.18	101	401543	27.41	ug/L	94
15) ethyl ether	6.56	74	108678	40.51	ug/L	88
16) 2-chloropropane	6.79	43	421659	38.18	ug/L	94
17) acrolein	6.86	56	367407	356.90	ug/L	99
18) freon 113	6.96	151	179184	37.95	ug/L	97
19) 1,1-dichloroethene	7.01	61	343552	39.52	ug/L	94
20) acetone	7.08	58	16288	41.55	ug/L	67
21) iso-butyl alcohol	10.50	74	73665	369.51	ug/L #	88
22) allyl chloride	7.54	76	130547m	39.56	ug/L	
23) acetonitrile	7.54	41	568088	436.20	ug/L	95
24) iodomethane	7.32	142	467077	42.69	ug/L	93
25) carbon disulfide	7.44	76	867808	37.37	ug/L	99
26) methylene chloride	7.74	84	250032	35.94	ug/L	96
27) 1-chloropropane	7.76	42	392022	38.66	ug/L	95
28) methyl acetate	7.52	43	123116	39.49	ug/L	98
29) methyl tert butyl ether	8.04	73	751156	41.08	ug/L	92
30) trans-1,2-dichloroethene	8.10	61	325441	40.23	ug/L	98
31) di-isopropyl ether	8.60	45	786897	42.35	ug/L	96
32) 2-butanone	9.40	72	20236	38.47	ug/L	85
33) 1,1-dichloroethane	8.68	63	397188	39.36	ug/L	97
34) chloroprene	8.78	53	299276	38.96	ug/L	95
35) acrylonitrile	8.09	53	305642	190.01	ug/L	92
36) vinyl acetate	8.64	86	31924	39.56	ug/L	64
37) ethyl tert-butyl ether	9.07	59	793907	42.74	ug/L	98
38) ethyl acetate	9.38	45	21578	45.69	ug/L #	93

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156935.D
Acq On : 28 Oct 2015 9:00 pm
Operator : payalr
Sample : icc6633-50
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 08:43:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Oct 26 10:26:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,2-dichloropropane	9.42	77	396052	36.66	ug/L		96
40) cis-1,2-dichloroethene	9.43	96	247082	36.00	ug/L		96
41) propionitrile	9.52	54	237246	387.71	ug/L		95
42) methyl acrylate	9.47	85	22980	39.43	ug/L		95
43) methacrylonitrile	9.69	67	66770	39.85	ug/L		84
44) bromochloromethane	9.75	128	117092	42.62	ug/L		85
45) tetrahydrofuran	9.78	42	60786	37.28	ug/L		92
46) chloroform	9.80	83	386906	37.90	ug/L		96
47) tert-Butyl Formate	9.81	59	183390	41.28	ug/L		91
50) 1,1,1-trichloroethane	10.05	97	395782	40.49	ug/L		99
51) Cyclohexane	10.10	84	372881	35.18	ug/L		96
53) methylcyclohexane	11.43	83	381906	37.82	ug/L		93
54) epichlorohydrin	12.20	57	77416	207.66	ug/L		91
55) n-butyl alcohol	10.98	56	293924	2245.88	ug/L		89
56) carbon tetrachloride	10.25	117	339465	43.52	ug/L		97
57) 1,1-dichloropropene	10.21	75	269483	41.45	ug/L		97
58) hexane	8.36	57	206159	32.27	ug/L		87
59) 2,2,4-Trimethylpentane	10.44	57	790841	36.57	ug/L		97
60) benzene	10.50	78	856445	41.85	ug/L		95
61) tert-amyl methyl ether	10.49	73	739466	42.55	ug/L		93
62) heptane	10.61	57	131657	34.38	ug/L		91
63) isopropyl acetate	10.38	61	67631	43.16	ug/L		94
64) 1,2-dichloroethane	10.52	62	258443	43.30	ug/L		91
66) trichloroethene	11.22	95	205860	43.42	ug/L		93
67) 2-chloroethyl vinyl ether	12.04	63	493299	213.16	ug/L		97
68) methyl methacrylate	11.48	100	41467	48.50	ug/L	#	76
69) 1,2-dichloropropane	11.51	63	206273	42.25	ug/L		96
70) dibromomethane	11.69	93	117464	41.47	ug/L		80
71) bromodichloromethane	11.81	83	282505	43.15	ug/L		100
72) 2-nitropropane	12.05	41	62625	33.40	ug/L		99
73) cis-1,3-dichloropropene	12.29	75	310516	44.75	ug/L		98
75) 4-methyl-2-pentanone	12.38	58	68371	42.18	ug/L		98
76) toluene	12.67	92	514390	43.77	ug/L		97
77) isoamyl alcohol	12.40	55	191954	788.10	ug/L		85
78) trans-1,3-dichloropropene	12.90	75	273571	44.85	ug/L		99
79) ethyl methacrylate	12.86	69	217499	42.32	ug/L		99
80) 1,1,2-trichloroethane	13.14	83	131707	43.09	ug/L		96
81) 2-hexanone	13.31	58	53378	42.00	ug/L		93
83) tetrachloroethene	13.31	166	237601	52.00	ug/L		92
84) 1,3-dichloropropane	13.34	76	253357	40.67	ug/L		100
85) butyl acetate	13.37	56	102895	42.72	ug/L		88
86) 3,3-Dimethyl-1-Butanol	13.49	69	184013	422.20	ug/L	#	97
87) dibromochloromethane	13.64	129	203191	45.48	ug/L		99
88) 1,2-dibromoethane	13.81	107	156334	44.09	ug/L		84
89) chlorobenzene	14.31	112	555661	44.19	ug/L		97
90) 1,1,1,2-tetrachloroethane	14.37	131	258665	46.54	ug/L		86
91) ethylbenzene	14.35	91	998922	42.23	ug/L		97
92) m,p-xylene	14.47	106	796556	89.09	ug/L		100
93) o-xylene	14.94	106	437947	44.38	ug/L		100
94) styrene	14.96	104	658804	45.10	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156935.D
Acq On : 28 Oct 2015 9:00 pm
Operator : payalr
Sample : icc6633-50
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 08:43:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Oct 26 10:26:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
95) bromoform	15.29	173	140787	48.10 ug/L	95
96) cyclohexanone	15.55	55	95189	427.79 ug/L	96
99) isopropylbenzene	15.32	105	1188911	42.06 ug/L	98
100) 1,1,2,2-tetrachloroethane	15.70	83	239432	35.87 ug/L	95
101) trans-1,4-dichloro-2-buten	15.74	53	62249	39.96 ug/L	94
102) 1,2,3-trichloropropane	15.79	110	60689	37.62 ug/L #	48
103) bromobenzene	15.80	156	272354	44.20 ug/L	99
104) n-propylbenzene	15.78	91	1257610	39.14 ug/L	97
105) 2-chlorotoluene	15.96	126	275906	42.14 ug/L	89
106) 4-chlorotoluene	16.07	91	735464	42.34 ug/L	96
107) 1,3,5-trimethylbenzene	15.94	105	1023827	42.99 ug/L	96
108) tert-butylbenzene	16.33	119	906087m	44.77 ug/L	
109) pentachloroethane	16.45	167	202332	46.00 ug/L	96
110) 1,2,4-trimethylbenzene	16.39	105	1021665	43.29 ug/L	99
111) sec-butylbenzene	16.57	105	1432635	43.76 ug/L	99
112) p-isopropyltoluene	16.70	119	1190255	45.90 ug/L	97
113) 1,3-dichlorobenzene	16.81	146	560054	45.60 ug/L	99
114) 1,4-dichlorobenzene	16.90	146	544146	42.54 ug/L	95
115) 1,2-dichlorobenzene	17.35	146	575028	46.54 ug/L	95
116) Benzyl Chloride	17.04	91	475586	40.26 ug/L	97
118) n-butylbenzene	17.17	92	592043	42.22 ug/L	96
119) hexachloroethane	17.63	201	216957	53.60 ug/L	96
120) 1,2-dibromo-3-chloropropan	18.22	157	64675	51.87 ug/L	85
121) 1,3,5-trichlorobenzene	18.40	180	601971	51.16 ug/L	97
122) 1,2,4-trichlorobenzene	19.14	180	575942	50.52 ug/L	93
123) hexachlorobutadiene	19.25	225	328405	58.13 ug/L	91
124) naphthalene	19.49	128	1161859	43.15 ug/L	99
125) 1,2,3-trichlorobenzene	19.79	180	567200	50.56 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.19

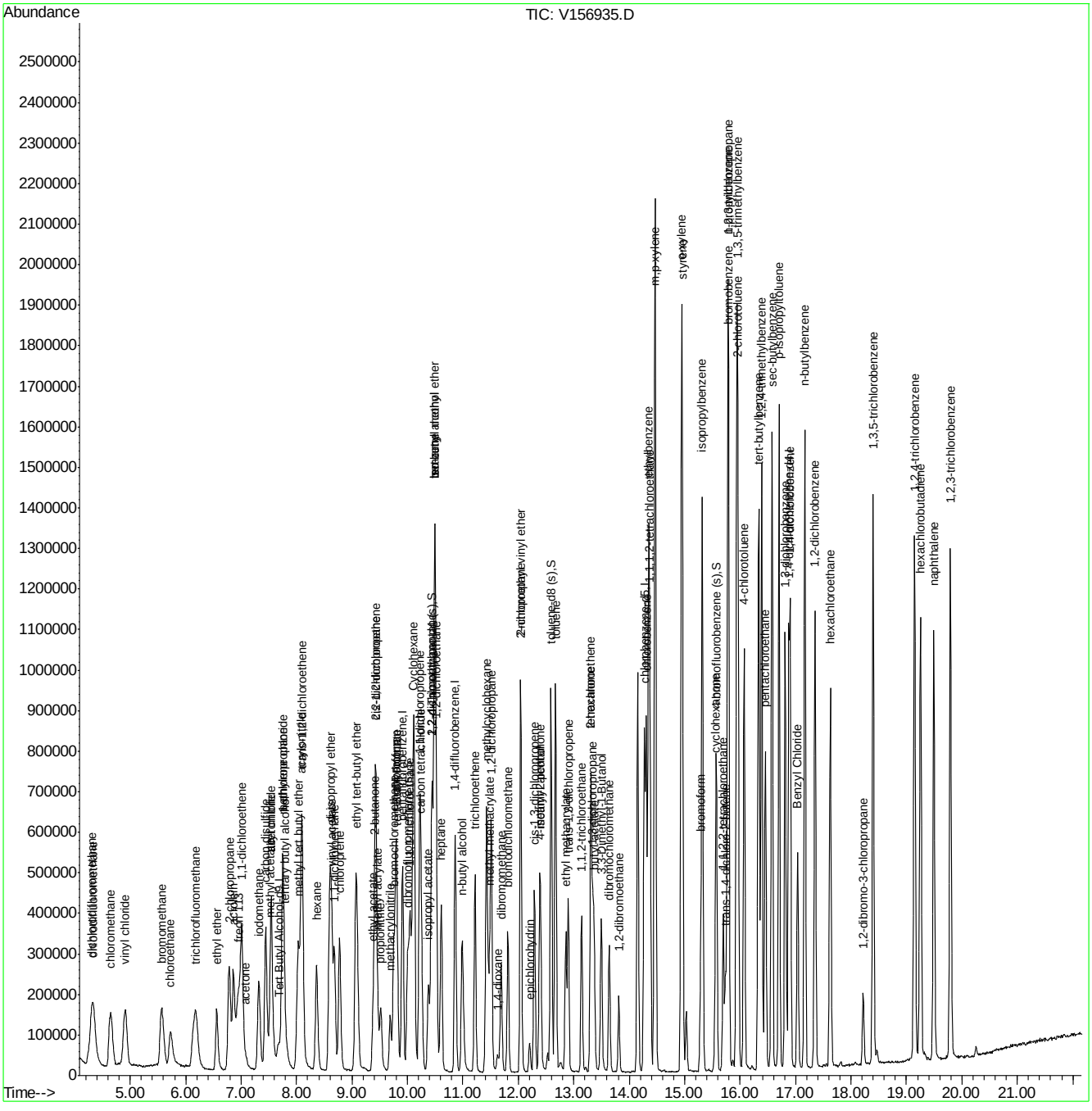
7

ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156935.D
Acq On : 28 Oct 2015 9:00 pm
Operator : payalr
Sample : icc6633-50
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 08:43:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Oct 26 10:26:33 2015
Response via : Initial Calibration



MVS6633.M Sun Nov 01 15:03:36 2015 MSV

ACCUTEST LABORATORIES JC10922

Manual Integration Approval Summary

Sample Number:	VV6633-ICC6633	**Method:**	SW846 8260C
Lab FileID:	V156935.D	**Analyst approved:**	10/29/15 11:30 Dana Tryon
Injection Time:	10/28/15 21:00	**Supervisor approved:**	11/01/15 15:12 Jessica Reitan-Chu

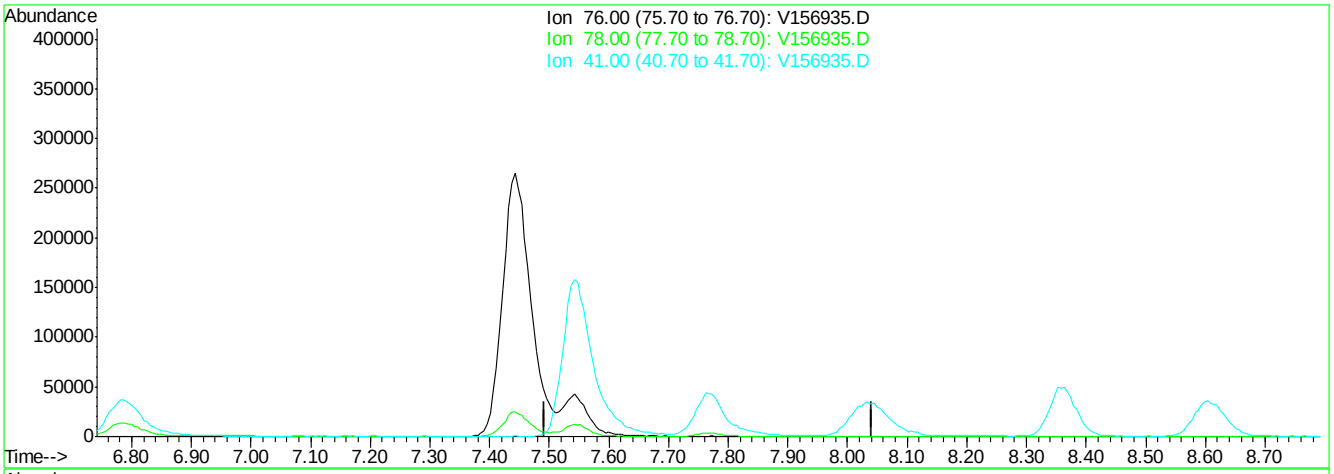
Parameter	CAS	Sig#	R.T. (min.)	Reason
Allyl chloride	107-05-1		7.54	Missed peak
tert-Butylbenzene	98-06-6		16.33	Poor instrument integration

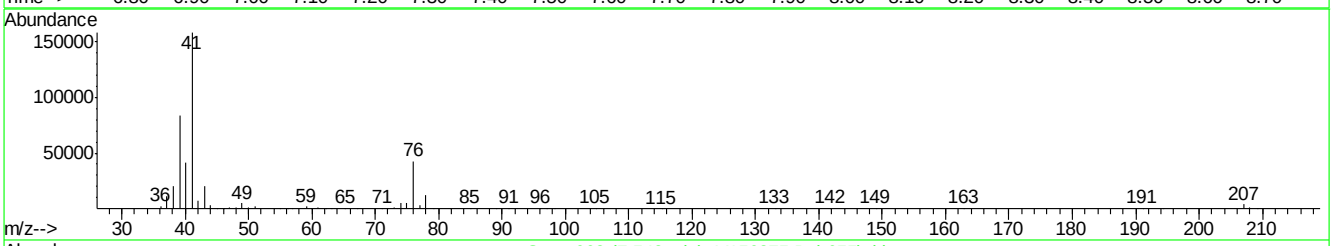
Quantitation Report (Qedit)

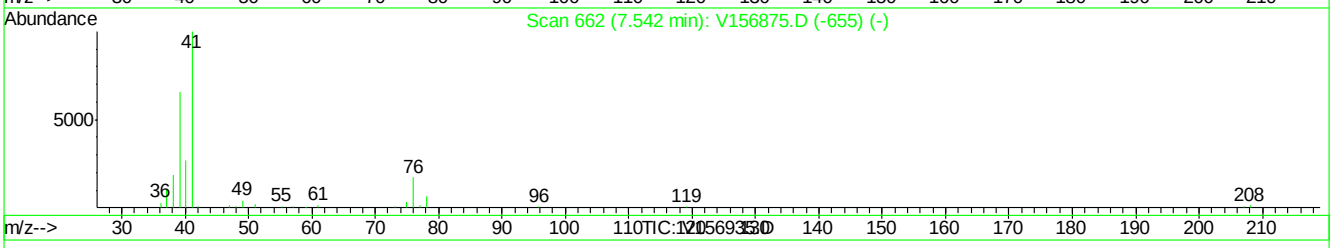
Data File : C:\MSDChem\1\DATA\V156935.D Vial: 9
Acq On : 28 Oct 2015 9:00 pm Operator: payalr
Sample : icc6633-50 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 28 21:23:02 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Mon Oct 26 10:26:33 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.54min 0.00ug/L

response 0

Ion	Exp%	Act%
76.00	100	0.00
78.00	27.60	0.00
41.00	319.40	0.00#
0.00	0.00	0.00

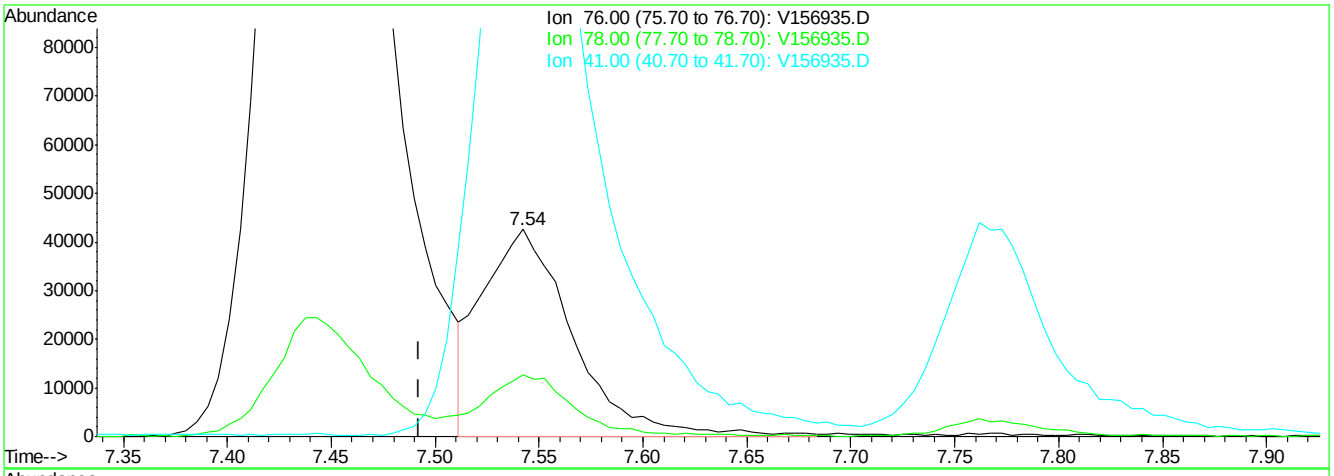
V156935.D MVS6633.M Thu Oct 29 09:41:42 2015 MSV

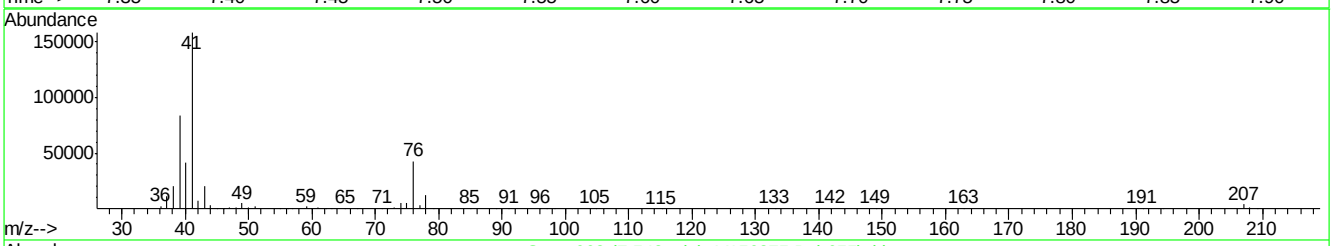
Quantitation Report (Qedit)

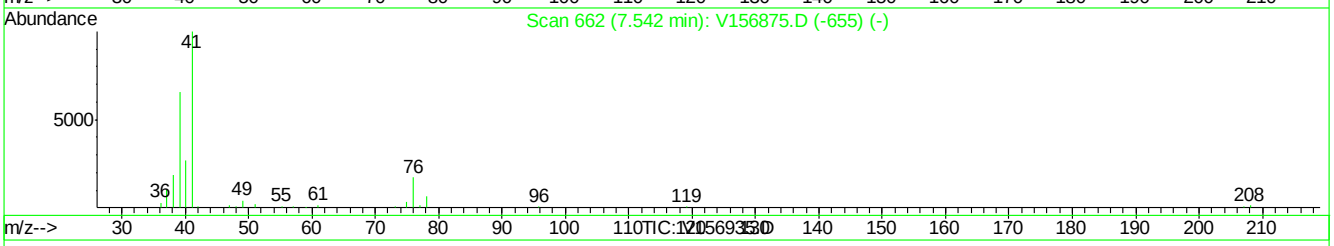
Data File : C:\MSDChem\1\DATA\V156935.D Vial: 9
Acq On : 28 Oct 2015 9:00 pm Operator: payalr
Sample : icc6633-50 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 28 21:23:02 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Mon Oct 26 10:26:33 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.54min 39.56ug/L m

response 130547

Ion	Exp%	Act%
76.00	100	100
78.00	27.60	29.95
41.00	319.40	371.26#
0.00	0.00	0.00

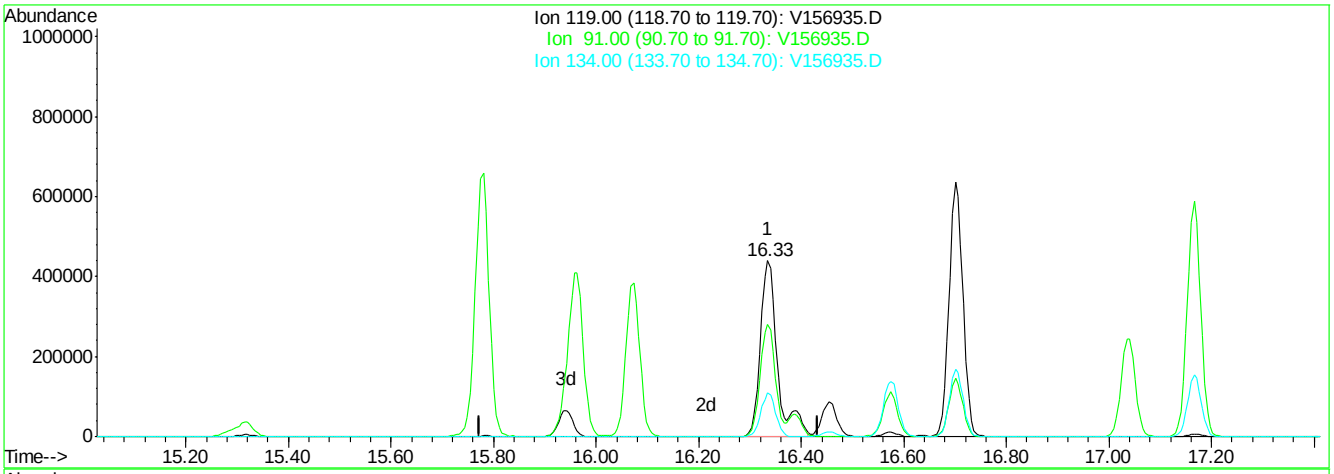
V156935.D MVS6633.M Thu Oct 29 09:41:52 2015 MSV

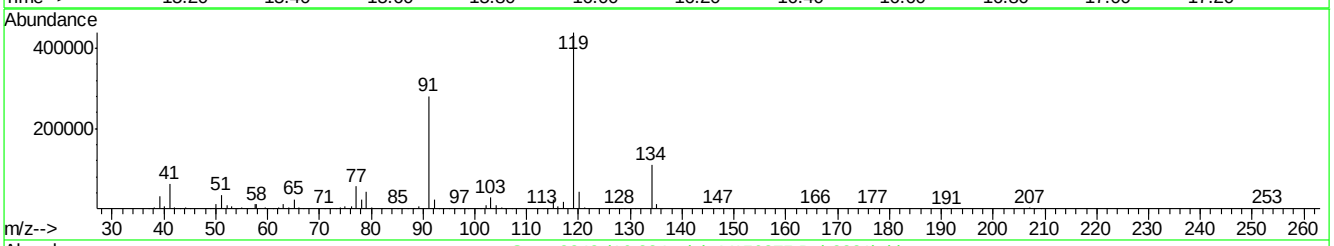
Quantitation Report (Qedit)

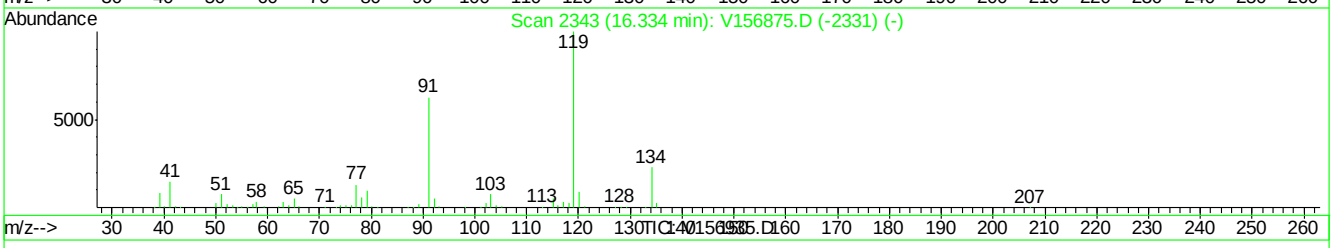
Data File : C:\MSDChem\1\DATA\V156935.D Vial: 9
Acq On : 28 Oct 2015 9:00 pm Operator: payalr
Sample : icc6633-50 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 28 21:23:02 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Mon Oct 26 10:26:33 2015
Response via : Multiple Level Calibration







(108) tert-butylbenzene

16.33min 50.32ug/L

response 1018381

Ion	Exp%	Act%
119.00	100	100
91.00	62.70	63.86
134.00	22.70	24.66
0.00	0.00	0.00

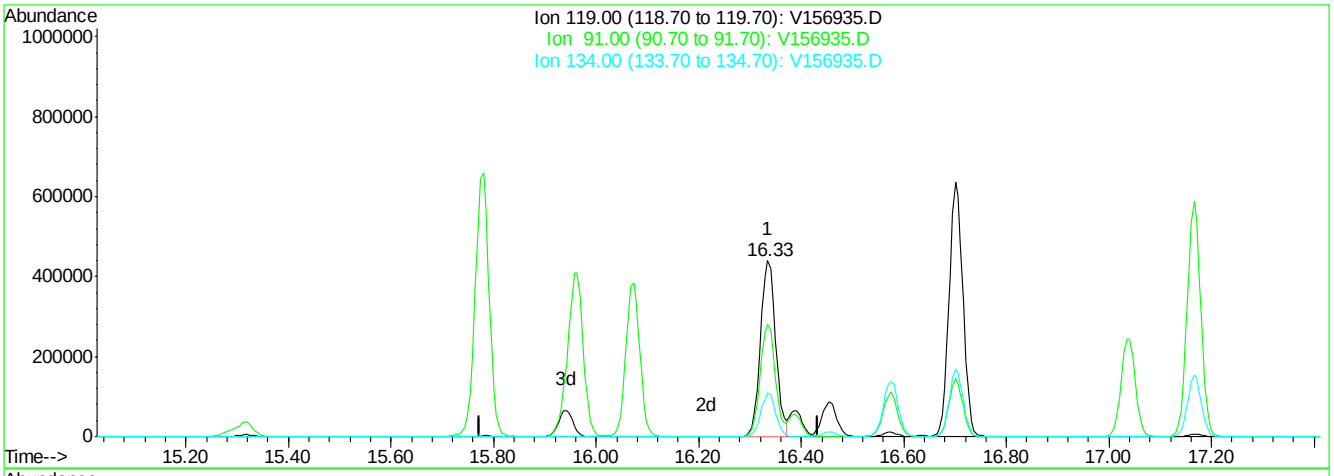
V156935.D MVS6633.M Thu Oct 29 09:43:14 2015 MSV

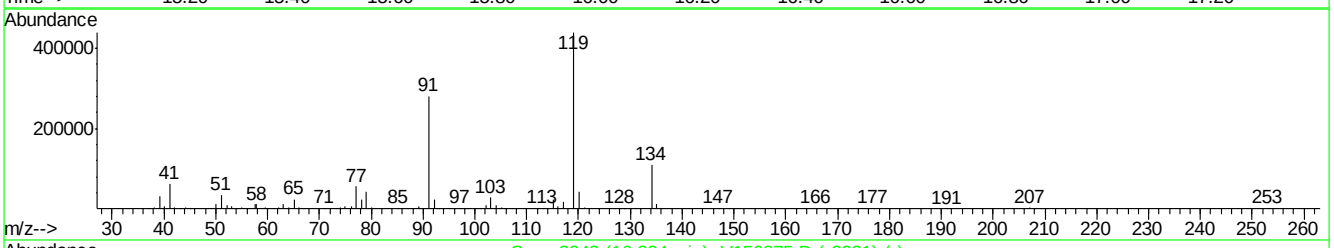
Quantitation Report (Qedit)

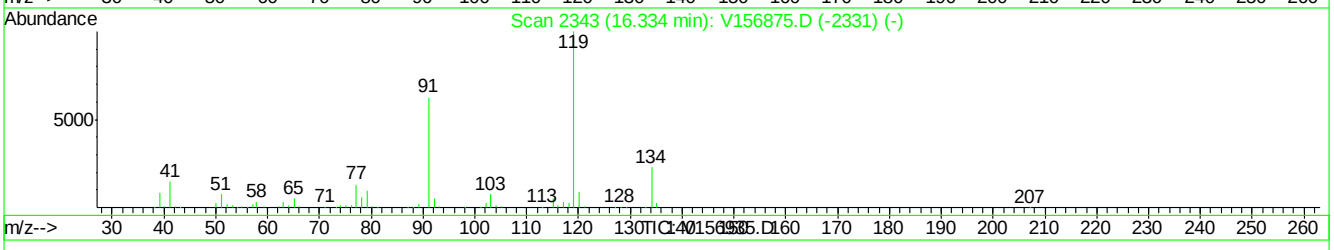
Data File : C:\MSDChem\1\DATA\V156935.D Vial: 9
Acq On : 28 Oct 2015 9:00 pm Operator: payalr
Sample : icc6633-50 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 28 21:23:02 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Mon Oct 26 10:26:33 2015
Response via : Multiple Level Calibration







(108) tert-butylbenzene

16.33min 44.77ug/L m

response 906087

Ion	Exp%	Act%
119.00	100	100
91.00	62.70	63.95
134.00	22.70	24.66
0.00	0.00	0.00

V156935.D MVS6633.M Thu Oct 29 09:43:26 2015 MSV

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 11/01/15 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156936.D
Acq On : 28 Oct 2015 9:29 pm
Operator : payalr
Sample : ic6633-100
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 29 08:47:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:44:46 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.70	65	234169	500.00	ug/L	0.02
4) pentafluorobenzene	9.91	168	525152	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	638113	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	559965	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	310992	50.00	ug/L	0.00

System Monitoring Compounds						
48) dibromofluoromethane (s)	10.00	113	212073	51.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 102.60%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	211159	52.26	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 104.52%			
74) toluene-d8 (s)	12.59	98	785398	51.33	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 102.66%			
97) 4-bromofluorobenzene (s)	15.57	95	275587	50.03	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 100.06%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.80	59	291587	505.18	ug/L	98
3) 1,4-dioxane	11.62	88	123112	2647.38	ug/L	98
6) chlorodifluoromethane	4.33	51	725854	99.36	ug/L	99
7) dichlorodifluoromethane	4.32	85	838331	102.36	ug/L	98
8) chloromethane	4.65	50	800095	104.52	ug/L	97
9) vinyl chloride	4.92	62	826635	104.08	ug/L	98
11) bromomethane	5.57	96	477220	100.83	ug/L	98
12) chloroethane	5.72	64	368873	101.17	ug/L	95
13) trichlorofluoromethane	6.18	101	822956	102.13	ug/L	96
15) ethyl ether	6.56	74	213937	98.09	ug/L	94
16) 2-chloropropane	6.78	43	846049	99.98	ug/L	98
17) acrolein	6.86	56	760660	1031.66	ug/L	95
18) freon 113	6.96	151	366742	101.99	ug/L	94
19) 1,1-dichloroethene	7.01	61	702732	101.93	ug/L	96
20) acetone	7.08	58	31440	96.19	ug/L	97
21) iso-butyl alcohol	10.50	74	153052	1035.31	ug/L	98
22) allyl chloride	7.54	76	241569m	92.21	ug/L	
23) acetonitrile	7.54	41	1133570	994.32	ug/L	99
24) iodomethane	7.32	142	934638	99.71	ug/L	98
25) carbon disulfide	7.44	76	1780164	102.22	ug/L	99
26) methylene chloride	7.75	84	499769	99.60	ug/L	100
27) 1-chloropropane	7.77	42	790393	100.47	ug/L	97
28) methyl acetate	7.52	43	238121	96.38	ug/L	99
29) methyl tert butyl ether	8.03	73	1498018	99.38	ug/L	98
30) trans-1,2-dichloroethene	8.10	61	662829	101.49	ug/L	99
31) di-isopropyl ether	8.61	45	1629922	103.22	ug/L	94
32) 2-butanone	9.38	72	41681	102.64	ug/L #	8
33) 1,1-dichloroethane	8.68	63	814967	102.24	ug/L	100
34) chloroprene	8.78	53	631554	105.16	ug/L	97
35) acrylonitrile	8.09	53	632396	515.51	ug/L	97
36) vinyl acetate	8.64	86	66495	103.79	ug/L	93
37) ethyl tert-butyl ether	9.07	59	1606405	100.83	ug/L	99
38) ethyl acetate	9.37	45	41663	96.21	ug/L #	69

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156936.D
Acq On : 28 Oct 2015 9:29 pm
Operator : payalr
Sample : ic6633-100
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 29 08:47:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:44:46 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) 2,2-dichloropropane	9.43	77	803303	101.07 ug/L	96
40) cis-1,2-dichloroethene	9.43	96	503324	101.51 ug/L	97
41) propionitrile	9.52	54	487855	1024.68 ug/L	99
42) methyl acrylate	9.47	85	48520	105.21 ug/L	92
43) methacrylonitrile	9.69	67	129857	96.91 ug/L	95
44) bromochloromethane	9.75	128	231969	98.72 ug/L	86
45) tetrahydrofuran	9.78	42	122759	100.63 ug/L	98
46) chloroform	9.79	83	777431	100.13 ug/L	98
47) tert-Butyl Formate	9.81	59	372260	101.15 ug/L	96
50) 1,1,1-trichloroethane	10.05	97	807875	101.71 ug/L	99
51) Cyclohexane	10.11	84	783394	104.69 ug/L	83
53) methylcyclohexane	11.43	83	822395	106.14 ug/L	97
54) epichlorohydrin	12.20	57	157077	500.04 ug/L	99
55) n-butyl alcohol	10.98	56	609360	5109.25 ug/L	99
56) carbon tetrachloride	10.25	117	698045	101.35 ug/L	96
57) 1,1-dichloropropene	10.22	75	553799	101.29 ug/L	98
58) hexane	8.36	57	433169	103.56 ug/L	98
59) 2,2,4-Trimethylpentane	10.45	57	1746822	108.87 ug/L	98
60) benzene	10.50	78	1761389	101.37 ug/L	98
61) tert-amyl methyl ether	10.49	73	1528712	101.90 ug/L	98
62) heptane	10.61	57	279393	104.60 ug/L	94
63) isopropyl acetate	10.38	61	134917	98.33 ug/L	92
64) 1,2-dichloroethane	10.52	62	520049	99.18 ug/L	97
66) trichloroethene	11.22	95	421790	100.99 ug/L	98
67) 2-chloroethyl vinyl ether	12.04	63	1022746	510.95 ug/L	98
68) methyl methacrylate	11.48	100	85022	101.06 ug/L #	84
69) 1,2-dichloropropane	11.51	63	424979	101.55 ug/L	98
70) dibromomethane	11.69	93	244135	102.44 ug/L	98
71) bromodichloromethane	11.82	83	584221	101.93 ug/L	99
72) 2-nitropropane	12.05	41	130891	103.02 ug/L	94
73) cis-1,3-dichloropropene	12.29	75	644378	102.28 ug/L	99
75) 4-methyl-2-pentanone	12.38	58	143048	103.12 ug/L	89
76) toluene	12.67	92	1077555	103.25 ug/L	97
77) isoamyl alcohol	12.40	55	406433	2087.23 ug/L	97
78) trans-1,3-dichloropropene	12.90	75	562869	101.41 ug/L	99
79) ethyl methacrylate	12.86	69	447638	101.44 ug/L	99
80) 1,1,2-trichloroethane	13.14	83	268062	100.32 ug/L	98
81) 2-hexanone	13.31	58	124359	114.83 ug/L	97
83) tetrachloroethene	13.31	166	489309	101.55 ug/L	98
84) 1,3-dichloropropane	13.34	76	516227	100.48 ug/L	95
85) butyl acetate	13.37	56	212871	102.02 ug/L	99
86) 3,3-Dimethyl-1-Butanol	13.49	69	385155	1032.15 ug/L	98
87) dibromochloromethane	13.64	129	424339	102.98 ug/L	98
88) 1,2-dibromoethane	13.81	107	321581	101.44 ug/L	98
89) chlorobenzene	14.30	112	1123168	99.68 ug/L	99
90) 1,1,1,2-tetrachloroethane	14.37	131	531456	101.32 ug/L	99
91) ethylbenzene	14.35	91	2027515	100.09 ug/L	99
92) m,p-xylene	14.47	106	1651062	204.42 ug/L	99
93) o-xylene	14.94	106	905623	101.97 ug/L	97
94) styrene	14.96	104	1328186	99.42 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156936.D
Acq On : 28 Oct 2015 9:29 pm
Operator : payalr
Sample : ic6633-100
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 29 08:47:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:44:46 2015
Response via : Initial Calibration

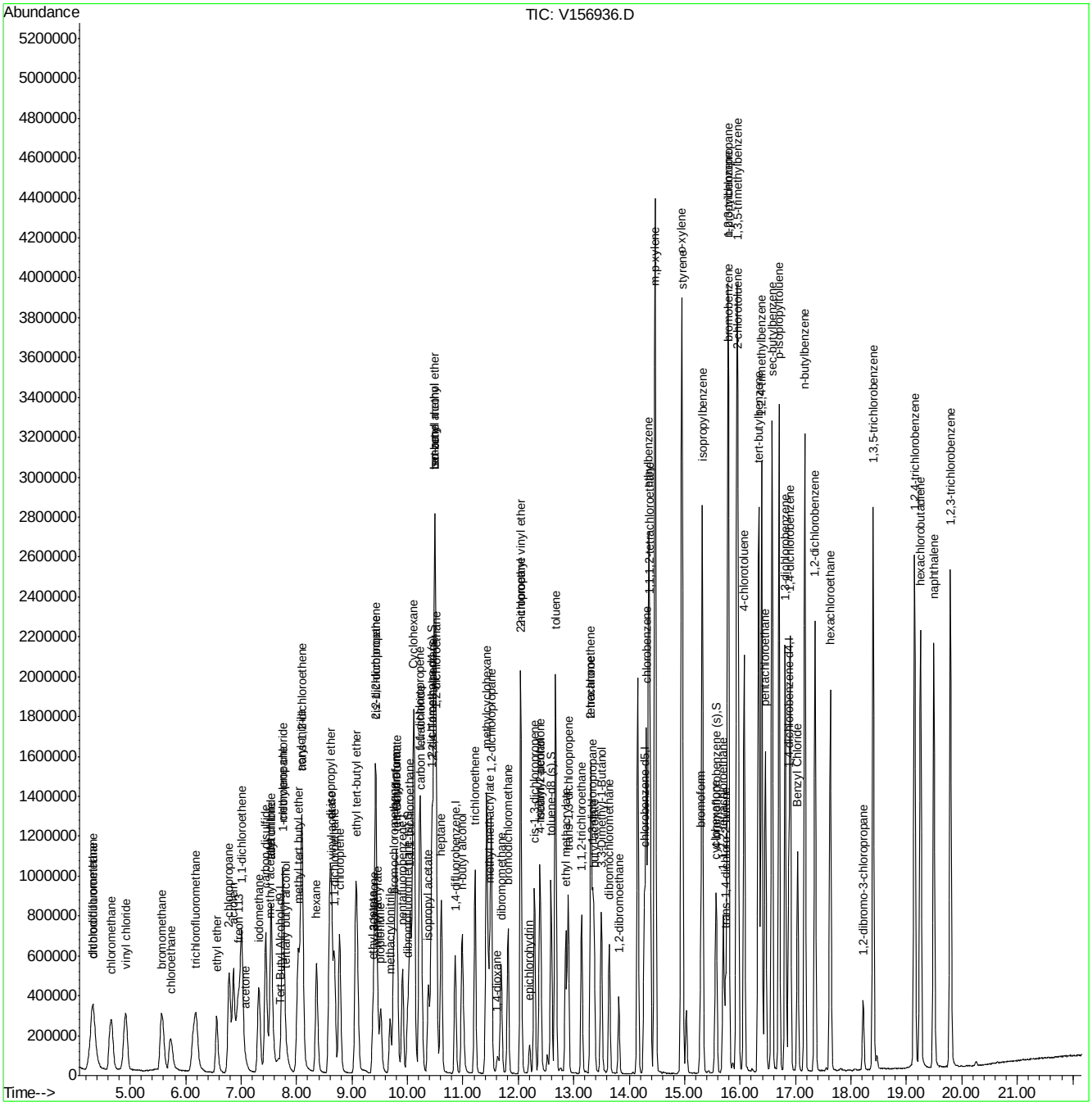
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) bromoform	15.29	173	292302	102.38	ug/L	98
96) cyclohexanone	15.55	55	193408	1001.95	ug/L	95
99) isopropylbenzene	15.32	105	2434622	101.76	ug/L	99
100) 1,1,2,2-tetrachloroethane	15.70	83	486454	100.96	ug/L	96
101) trans-1,4-dichloro-2-buten	15.73	53	124216	99.16	ug/L	93
102) 1,2,3-trichloropropane	15.79	110	120690	98.82	ug/L	95
103) bromobenzene	15.80	156	547129	99.82	ug/L	98
104) n-propylbenzene	15.78	91	2549893	100.75	ug/L	99
105) 2-chlorotoluene	15.96	126	561272	101.09	ug/L	98
106) 4-chlorotoluene	16.07	91	1471282	99.41	ug/L	99
107) 1,3,5-trimethylbenzene	15.94	105	2140737	103.90	ug/L	99
108) tert-butylbenzene	16.33	119	1864345m	102.24	ug/L	
109) pentachloroethane	16.45	167	412304	101.26	ug/L	98
110) 1,2,4-trimethylbenzene	16.39	105	2068288	100.60	ug/L	99
111) sec-butylbenzene	16.57	105	2928069	101.56	ug/L	98
112) p-isopropyltoluene	16.70	119	2444554	102.06	ug/L	100
113) 1,3-dichlorobenzene	16.81	146	1100173	97.61	ug/L	100
114) 1,4-dichlorobenzene	16.90	146	1084758	99.06	ug/L	98
115) 1,2-dichlorobenzene	17.35	146	1150399	99.41	ug/L	97
116) Benzyl Chloride	17.04	91	952744	99.55	ug/L	99
118) n-butylbenzene	17.17	92	1196556	100.43	ug/L	99
119) hexachloroethane	17.63	201	452453	103.63	ug/L	98
120) 1,2-dibromo-3-chloropropan	18.22	157	129230	99.29	ug/L	98
121) 1,3,5-trichlorobenzene	18.40	180	1181692	97.55	ug/L	99
122) 1,2,4-trichlorobenzene	19.14	180	1129042	97.41	ug/L	99
123) hexachlorobutadiene	19.25	225	664342	100.52	ug/L	94
124) naphthalene	19.49	128	2360328	100.95	ug/L	99
125) 1,2,3-trichlorobenzene	19.79	180	1140306	99.90	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156936.D
Acq On : 28 Oct 2015 9:29 pm
Operator : payalr
Sample : ic6633-100
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 29 08:47:13 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:44:46 2015
Response via : Initial Calibration



MVS6633.M Sun Nov 01 15:03:37 2015 MSV Page: 4

Manual Integration Approval Summary

Sample Number:	VV6633-IC6633	**Method:**	SW846 8260C
Lab FileID:	V156936.D	**Analyst approved:**	10/29/15 11:30 Dana Tryon
Injection Time:	10/28/15 21:29	**Supervisor approved:**	11/01/15 15:12 Jessica Reitan-Chu

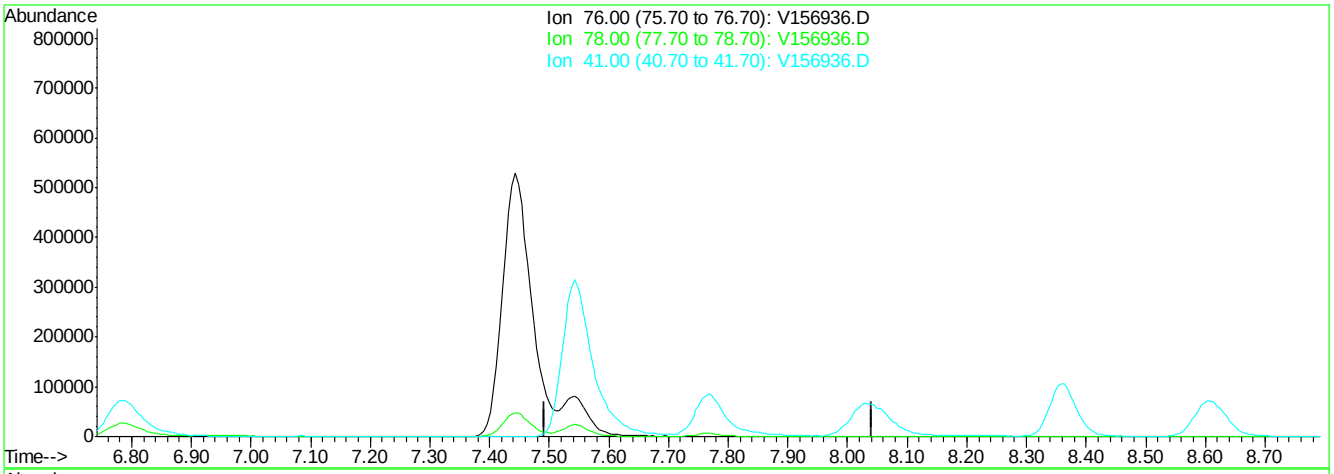
Parameter	CAS	Sig#	R.T. (min.)	Reason
Allyl chloride	107-05-1		7.54	Missed peak
tert-Butylbenzene	98-06-6		16.33	Poor instrument integration

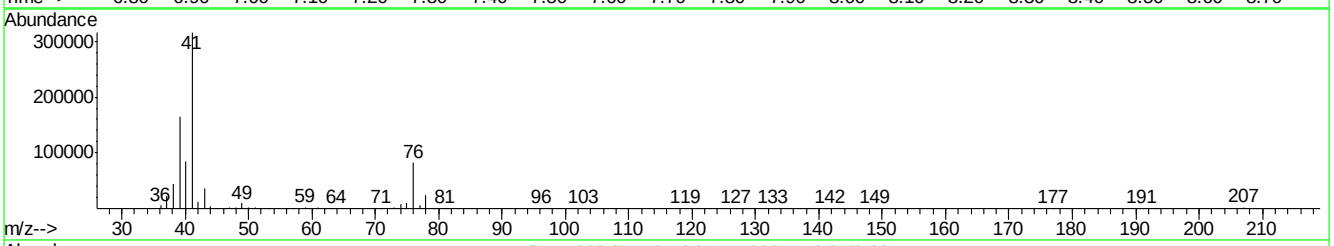
Quantitation Report (Qedit)

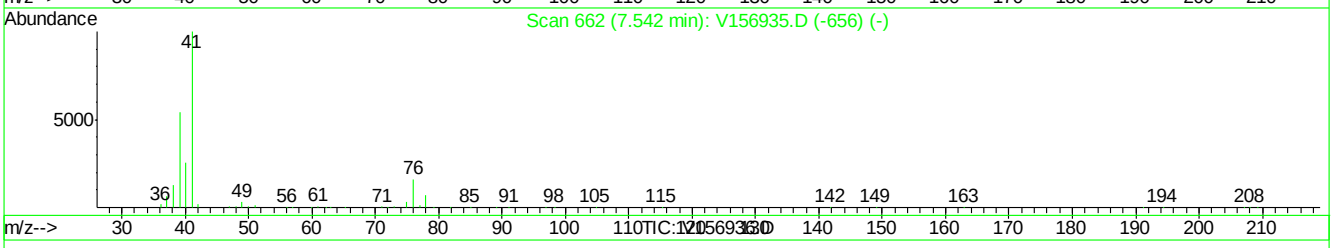
Data File : C:\MSDChem\1\DATA\V156936.D Vial: 10
Acq On : 28 Oct 2015 9:29 pm Operator: payalr
Sample : ic6633-100 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:44:59 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:44:46 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.54min 0.00ug/L

response 0

Ion	Exp%	Act%
76.00	100	0.00
78.00	29.90	0.00
41.00	371.30	0.00#
0.00	0.00	0.00

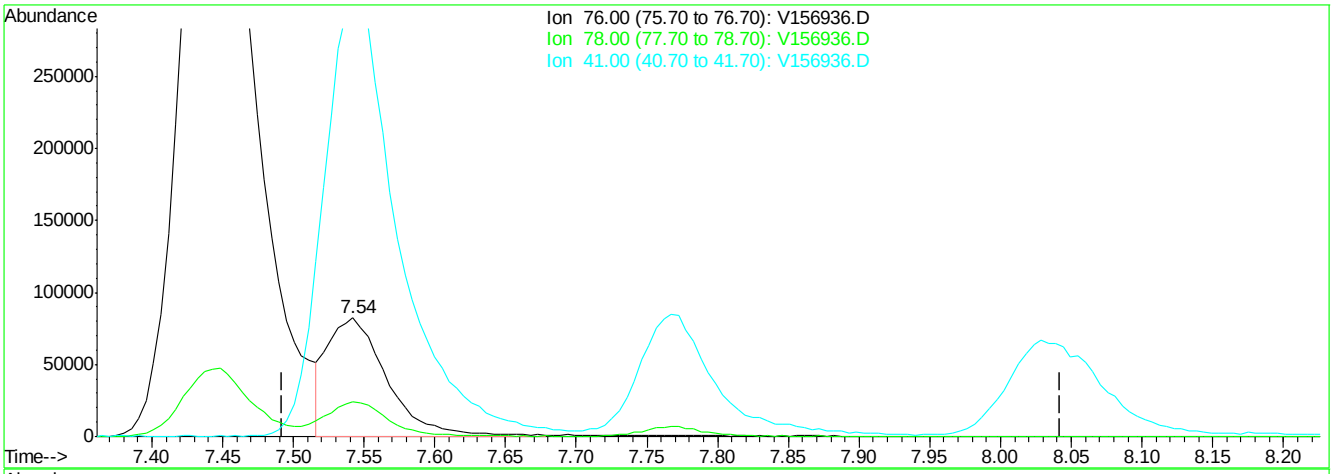
V156936.D MVS6633.M Thu Oct 29 09:45:38 2015 MSV

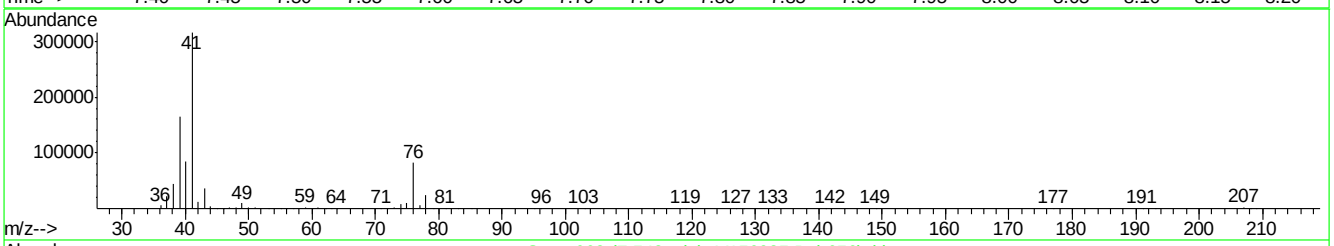
Quantitation Report (Qedit)

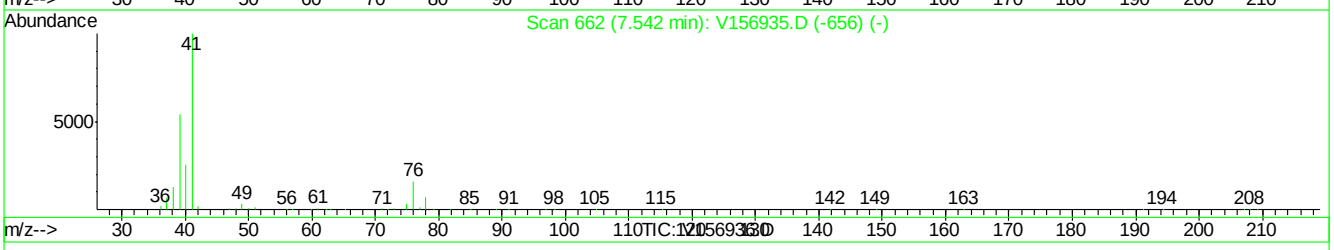
Data File : C:\MSDChem\1\DATA\V156936.D Vial: 10
Acq On : 28 Oct 2015 9:29 pm Operator: payalr
Sample : ic6633-100 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:44:59 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:44:46 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.54min 92.21ug/L m

response 241569

Ion	Exp%	Act%
76.00	100	100
78.00	29.90	29.79
41.00	371.30	384.14
0.00	0.00	0.00

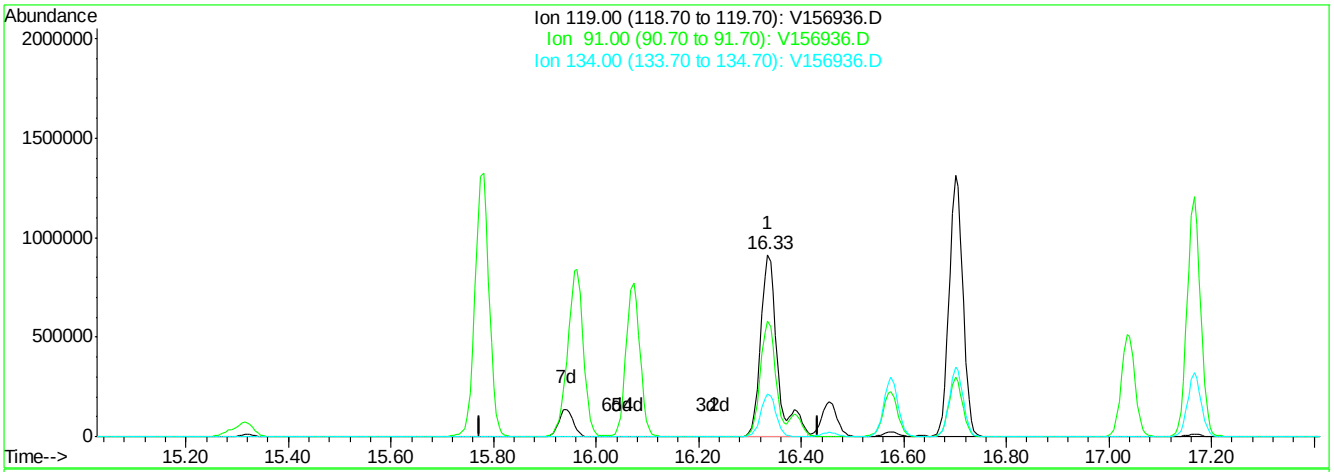
V156936.D MVS6633.M Thu Oct 29 09:45:47 2015 MSV

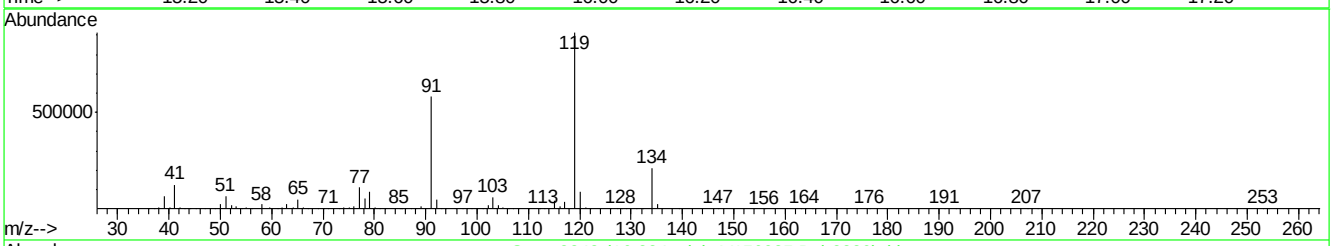
Quantitation Report (Qedit)

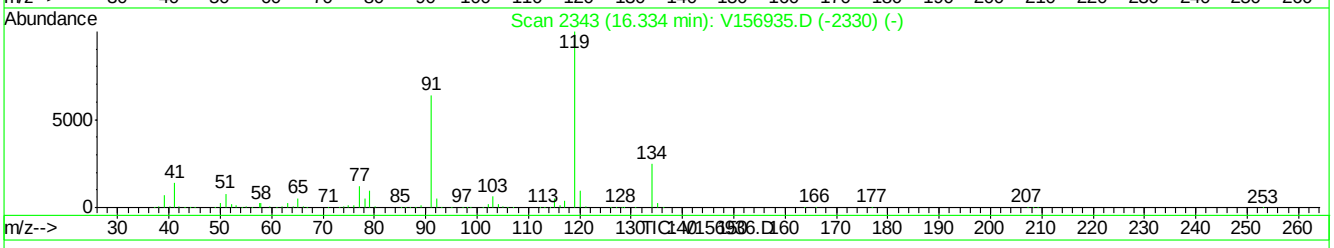
Data File : C:\MSDChem\1\DATA\V156936.D Vial: 10
Acq On : 28 Oct 2015 9:29 pm Operator: payalr
Sample : ic6633-100 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:44:59 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:44:46 2015
Response via : Multiple Level Calibration







(108) tert-butylbenzene

16.33min 114.47ug/L

response 2087232

Ion	Exp%	Act%
119.00	100	100
91.00	64.00	63.43
134.00	24.70	23.27
0.00	0.00	0.00

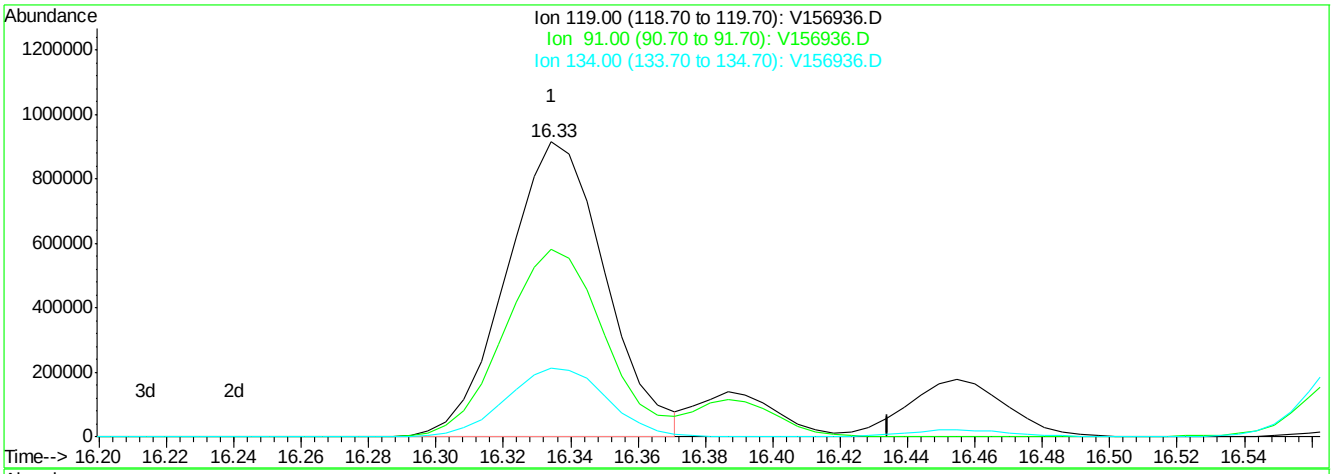
V156936.D MVS6633.M Thu Oct 29 09:46:56 2015 MSV

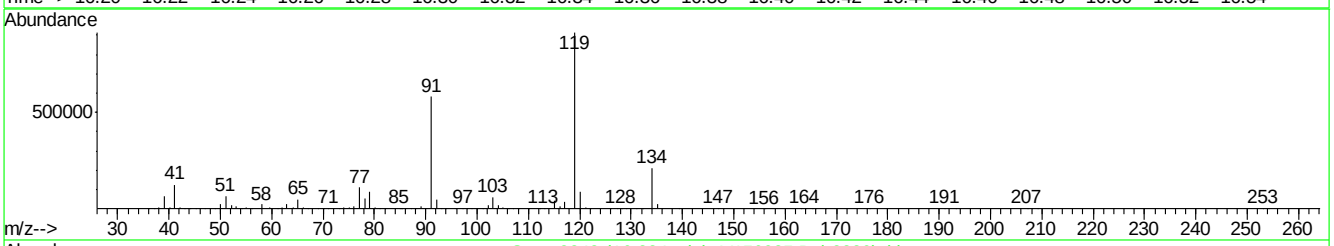
Quantitation Report (Qedit)

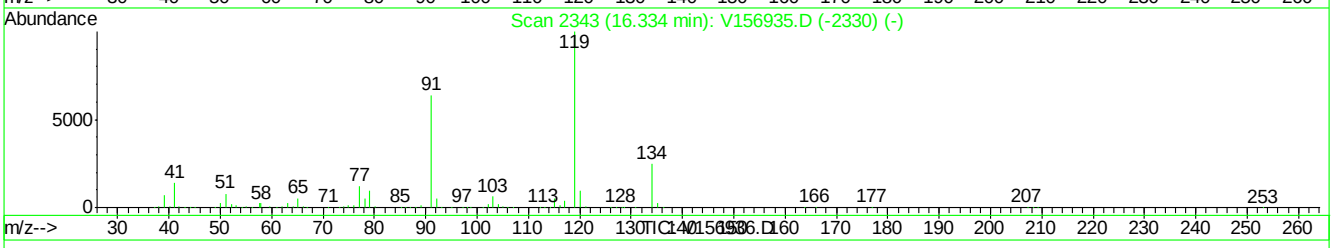
Data File : C:\MSDChem\1\DATA\V156936.D Vial: 10
Acq On : 28 Oct 2015 9:29 pm Operator: payalr
Sample : ic6633-100 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:44:59 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:44:46 2015
Response via : Multiple Level Calibration







(108) tert-butylbenzene

16.33min 102.24ug/L m

response 1864345

Ion	Exp%	Act%
119.00	100	100
91.00	64.00	63.49
134.00	24.70	23.27
0.00	0.00	0.00

V156936.D MVS6633.M Thu Oct 29 09:47:04 2015 MSV

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/01/15 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156937.D
Acq On : 28 Oct 2015 9:58 pm
Operator : payalr
Sample : ic6633-200
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 29 08:49:29 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:48:37 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.69	65	281148	500.00	ug/L	0.01
4) pentafluorobenzene	9.91	168	518113	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	636401	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	574983	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	308552	50.00	ug/L	0.00

System Monitoring Compounds

48) dibromofluoromethane (s)	10.00	113	206224	49.91	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 99.82%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	219465	53.84	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 107.68%			
74) toluene-d8 (s)	12.59	98	781714	50.55	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 101.10%			
97) 4-bromofluorobenzene (s)	15.57	95	277264	49.00	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 98.00%			

Target Compounds

						Qvalue
2) tertiary butyl alcohol	7.80	59	671551	964.07	ug/L	96
3) 1,4-dioxane	11.62	88	271171	4717.78	ug/L	97
6) chlorodifluoromethane	4.33	51	1446446	201.34	ug/L	99
7) dichlorodifluoromethane	4.32	85	1588740	194.33	ug/L	99
8) chloromethane	4.66	50	1597105	206.80	ug/L	97
9) vinyl chloride	4.92	62	1628715	203.70	ug/L	97
11) bromomethane	5.57	96	893373	190.53	ug/L	99
12) chloroethane	5.73	64	718821	198.66	ug/L	98
13) trichlorofluoromethane	6.17	101	1549607	192.86	ug/L	97
15) ethyl ether	6.56	74	432703	203.03	ug/L	94
16) 2-chloropropane	6.78	43	1670446	200.11	ug/L	98
17) acrolein	6.86	56	1506198	2038.30	ug/L	99
18) freon 113	6.96	151	718749	200.60	ug/L	95
19) 1,1-dichloroethene	7.01	61	1357857	197.72	ug/L	98
20) acetone	7.08	58	65045	205.62	ug/L	91
21) iso-butyl alcohol	10.49	74	304854	2053.92	ug/L	95
22) allyl chloride	7.54	76	485889m	195.61	ug/L	
23) acetonitrile	7.54	41	2280050	2032.91	ug/L	99
24) iodomethane	7.32	142	1787341	193.55	ug/L	97
25) carbon disulfide	7.44	76	3387076	194.97	ug/L	99
26) methylene chloride	7.75	84	961780	194.67	ug/L	97
27) 1-chloropropane	7.77	42	1535220	197.33	ug/L	96
28) methyl acetate	7.52	43	502541	209.97	ug/L	98
29) methyl tert butyl ether	8.03	73	3069414	207.03	ug/L	99
30) trans-1,2-dichloroethene	8.10	61	1260437	194.17	ug/L	99
31) di-isopropyl ether	8.60	45	3191464	201.60	ug/L	97
32) 2-butanone	9.38	72	89020	219.29	ug/L #	1
33) 1,1-dichloroethane	8.68	63	1563603	196.63	ug/L	99
34) chloroprene	8.78	53	1209440	198.98	ug/L	96
35) acrylonitrile	8.09	53	1305874	1062.50	ug/L	97
36) vinyl acetate	8.64	86	134728	209.19	ug/L	70
37) ethyl tert-butyl ether	9.08	59	3273735	207.41	ug/L	99
38) ethyl acetate	9.37	45	91836	219.11	ug/L	64

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156937.D
Acq On : 28 Oct 2015 9:58 pm
Operator : payalr
Sample : ic6633-200
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 29 08:49:29 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:48:37 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) 2,2-dichloropropane	9.43	77	1589024	201.57 ug/L	97
40) cis-1,2-dichloroethene	9.43	96	986219	200.09 ug/L	98
41) propionitrile	9.51	54	1059354	2227.78 ug/L	98
42) methyl acrylate	9.47	85	105177	225.30 ug/L #	89
43) methacrylonitrile	9.68	67	286083	219.80 ug/L	98
44) bromochloromethane	9.75	128	467212	202.83 ug/L	91
45) tetrahydrofuran	9.78	42	263492	218.25 ug/L	98
46) chloroform	9.80	83	1542678	201.26 ug/L	98
47) tert-Butyl Formate	9.81	59	801493	219.48 ug/L	99
50) 1,1,1-trichloroethane	10.05	97	1604008	202.95 ug/L	98
51) Cyclohexane	10.11	84	1540499	203.88 ug/L #	63
53) methylcyclohexane	11.43	83	1631160	204.80 ug/L	98
54) epichlorohydrin	12.20	57	360264	1149.90 ug/L	99
55) n-butyl alcohol	10.98	56	1453697	12089.41 ug/L	98
56) carbon tetrachloride	10.25	117	1426953	206.35 ug/L	98
57) 1,1-dichloropropene	10.21	75	1119291	203.95 ug/L	98
58) hexane	8.36	57	829169	195.29 ug/L	98
59) 2,2,4-Trimethylpentane	10.44	57	3473196	207.83 ug/L	98
60) benzene	10.50	78	3548842	203.40 ug/L	99
61) tert-amyl methyl ether	10.49	73	3227377	213.67 ug/L	99
62) heptane	10.61	57	547379	200.86 ug/L	94
63) isopropyl acetate	10.38	61	295540	217.79 ug/L	95
64) 1,2-dichloroethane	10.53	62	1075263	206.47 ug/L	99
66) trichloroethene	11.22	95	855486	204.37 ug/L	99
67) 2-chloroethyl vinyl ether	12.04	63	2230639	1105.29 ug/L	98
68) methyl methacrylate	11.48	100	191838	227.43 ug/L	94
69) 1,2-dichloropropane	11.51	63	862999	205.18 ug/L	98
70) dibromomethane	11.69	93	499101	207.46 ug/L	99
71) bromodichloromethane	11.82	83	1169677	202.67 ug/L	97
72) 2-nitropropane	12.05	41	292241	227.20 ug/L	95
73) cis-1,3-dichloropropene	12.29	75	1329762	209.25 ug/L	99
75) 4-methyl-2-pentanone	12.38	58	321342	228.71 ug/L	89
76) toluene	12.67	92	2162835	204.48 ug/L	97
77) isoamyl alcohol	12.40	55	962785	4851.86 ug/L	98
78) trans-1,3-dichloropropene	12.90	75	1165730	209.12 ug/L	98
79) ethyl methacrylate	12.86	69	952610	214.91 ug/L	99
80) 1,1,2-trichloroethane	13.14	83	554977	207.92 ug/L	98
81) 2-hexanone	13.31	58	260392	224.45 ug/L	96
83) tetrachloroethene	13.31	166	980404	196.63 ug/L	97
84) 1,3-dichloropropane	13.34	76	1085435	205.26 ug/L	96
85) butyl acetate	13.37	56	461193	213.10 ug/L	99
86) 3,3-Dimethyl-1-Butanol	13.49	69	892956	2293.60 ug/L	97
87) dibromochloromethane	13.64	129	886734	206.50 ug/L	99
88) 1,2-dibromoethane	13.81	107	682291	208.10 ug/L	97
89) chlorobenzene	14.31	112	2317117	200.59 ug/L	99
90) 1,1,1,2-tetrachloroethane	14.37	131	1114347	205.54 ug/L	99
91) ethylbenzene	14.35	91	4208098	202.22 ug/L	98
92) m,p-xylene	14.47	106	3315529	395.41 ug/L	99
93) o-xylene	14.94	106	1816242	197.22 ug/L	100
94) styrene	14.96	104	2687854	196.51 ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156937.D
Acq On : 28 Oct 2015 9:58 pm
Operator : payalr
Sample : ic6633-200
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 29 08:49:29 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:48:37 2015
Response via : Initial Calibration

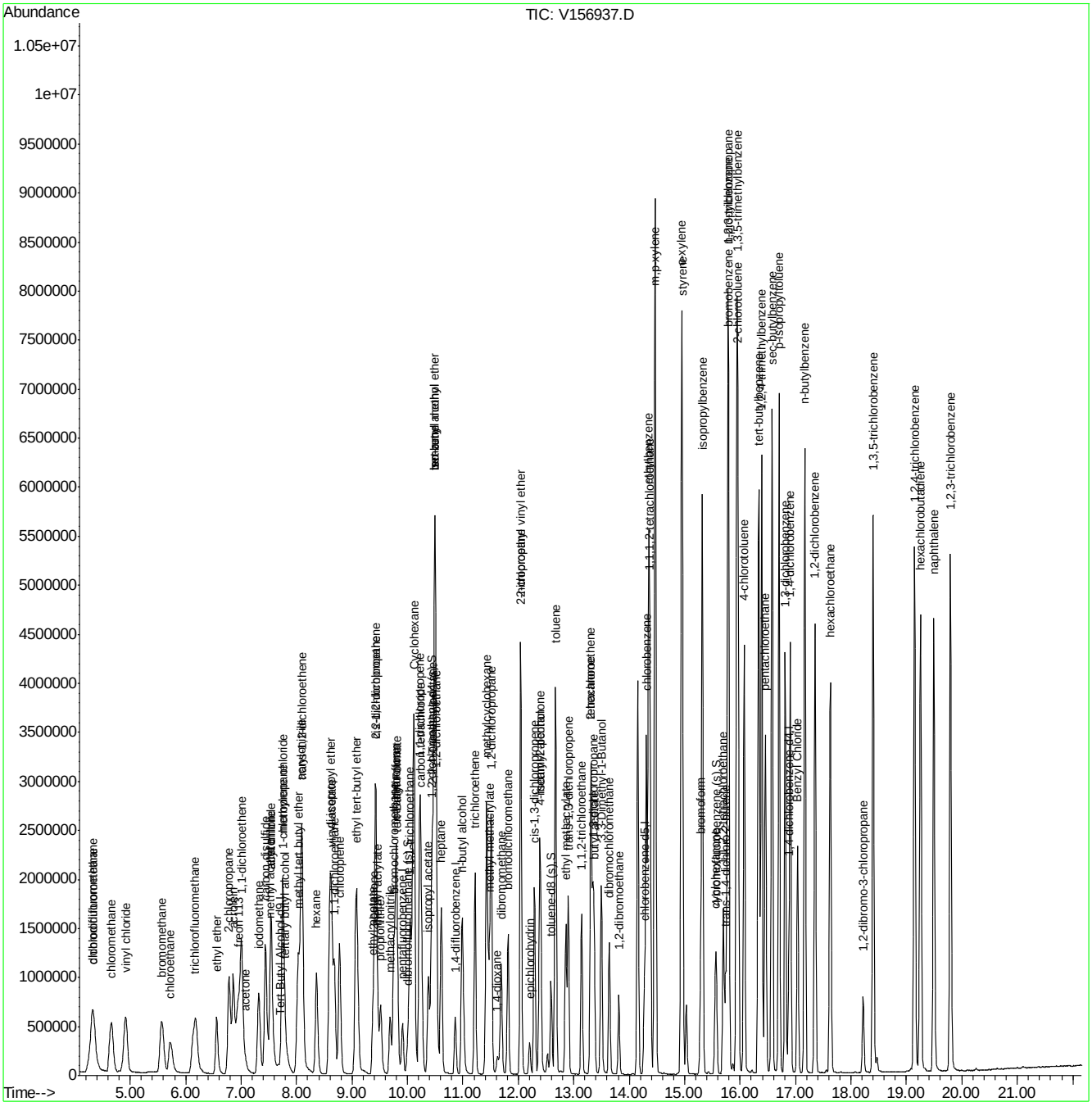
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) bromoform	15.29	173	625764	210.94	ug/L	99
96) cyclohexanone	15.55	55	439631	2215.86	ug/L	98
99) isopropylbenzene	15.32	105	4997291	208.68	ug/L	99
100) 1,1,2,2-tetrachloroethane	15.70	83	1040859	216.69	ug/L	97
101) trans-1,4-dichloro-2-buten	15.74	53	262316	211.95	ug/L	98
102) 1,2,3-trichloropropane	15.79	110	260339	216.12	ug/L #	87
103) bromobenzene	15.80	156	1106886	203.73	ug/L	100
104) n-propylbenzene	15.78	91	5178002	205.44	ug/L	100
105) 2-chlorotoluene	15.96	126	1134652	204.86	ug/L	98
106) 4-chlorotoluene	16.07	91	3010905	205.65	ug/L	99
107) 1,3,5-trimethylbenzene	15.94	105	4366234	209.50	ug/L	99
108) tert-butylbenzene	16.33	119	3925497	214.58	ug/L	99
109) pentachloroethane	16.45	167	888516	218.56	ug/L	98
110) 1,2,4-trimethylbenzene	16.39	105	4304087	210.37	ug/L	100
111) sec-butylbenzene	16.57	105	6138546	212.94	ug/L	99
112) p-isopropyltoluene	16.70	119	5010368	208.68	ug/L	99
113) 1,3-dichlorobenzene	16.82	146	2260443	204.59	ug/L	99
114) 1,4-dichlorobenzene	16.90	146	2215425	204.87	ug/L	99
115) 1,2-dichlorobenzene	17.35	146	2396964	209.39	ug/L	98
116) Benzyl Chloride	17.04	91	2026516	213.90	ug/L	100
118) n-butylbenzene	17.17	92	2427049	204.88	ug/L	100
119) hexachloroethane	17.63	201	954115	216.33	ug/L	98
120) 1,2-dibromo-3-chloropropan	18.22	157	291172	226.29	ug/L	98
121) 1,3,5-trichlorobenzene	18.40	180	2458547	207.09	ug/L	99
122) 1,2,4-trichlorobenzene	19.14	180	2353586	207.35	ug/L	99
123) hexachlorobutadiene	19.25	225	1419120	215.86	ug/L	94
124) naphthalene	19.49	128	5156939	221.25	ug/L	99
125) 1,2,3-trichlorobenzene	19.79	180	2401767	212.18	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156937.D
Acq On : 28 Oct 2015 9:58 pm
Operator : payalr
Sample : ic6633-200
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 29 08:49:29 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 09:48:37 2015
Response via : Initial Calibration



MVS6633.M Sun Nov 01 15:03:38 2015 MSV

ACCUTEST LABORATORIES JC10922

Manual Integration Approval Summary

Sample Number:	VV6633-IC6633	**Method:**	SW846 8260C
Lab FileID:	V156937.D	**Analyst approved:**	10/29/15 11:30 Dana Tryon
Injection Time:	10/28/15 21:58	**Supervisor approved:**	11/01/15 15:12 Jessica Reitan-Chu

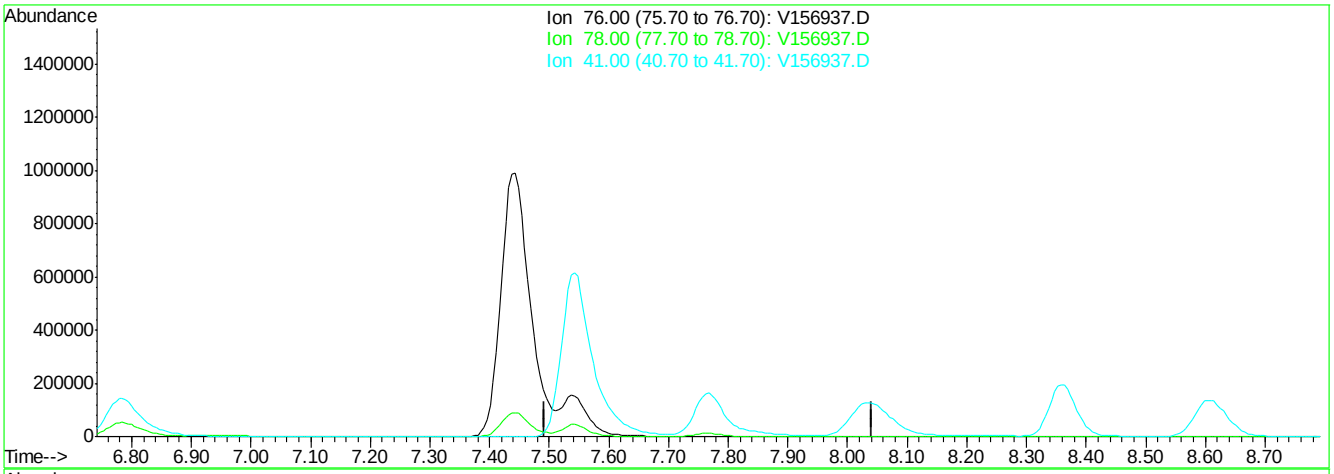
Parameter	CAS	Sig#	R.T. (min.)	Reason
Allyl chloride	107-05-1		7.54	Missed peak

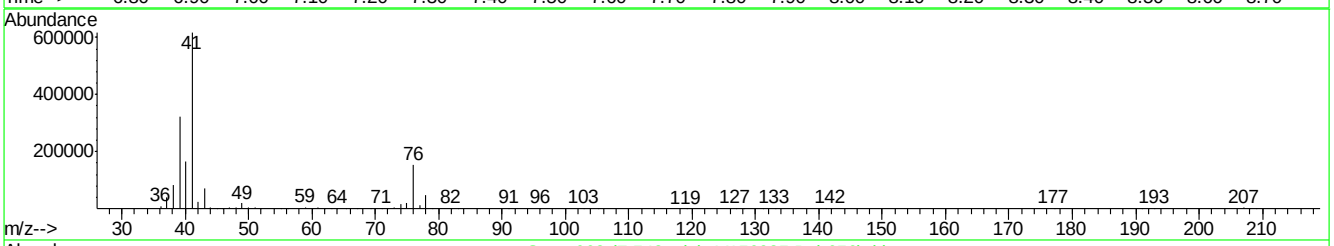
Quantitation Report (Qedit)

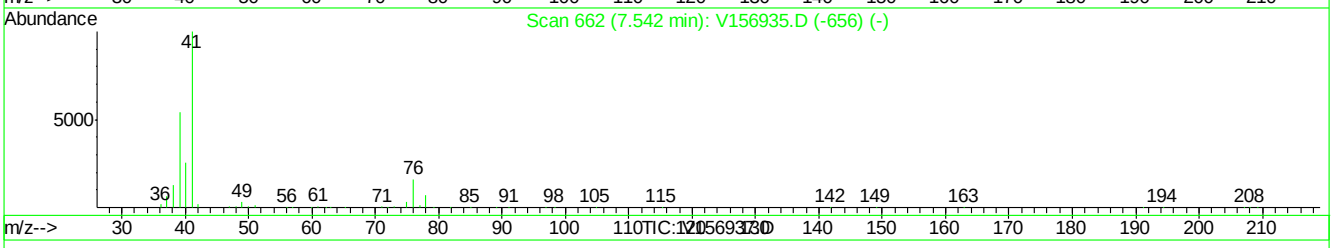
Data File : C:\MSDChem\1\DATA\V156937.D Vial: 11
Acq On : 28 Oct 2015 9:58 pm Operator: payalr
Sample : ic6633-200 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:48:41 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:48:37 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.54min 0.00ug/L

response 0

Ion	Exp%	Act%
76.00	100	0.00
78.00	29.90	0.00
41.00	371.30	0.00#
0.00	0.00	0.00

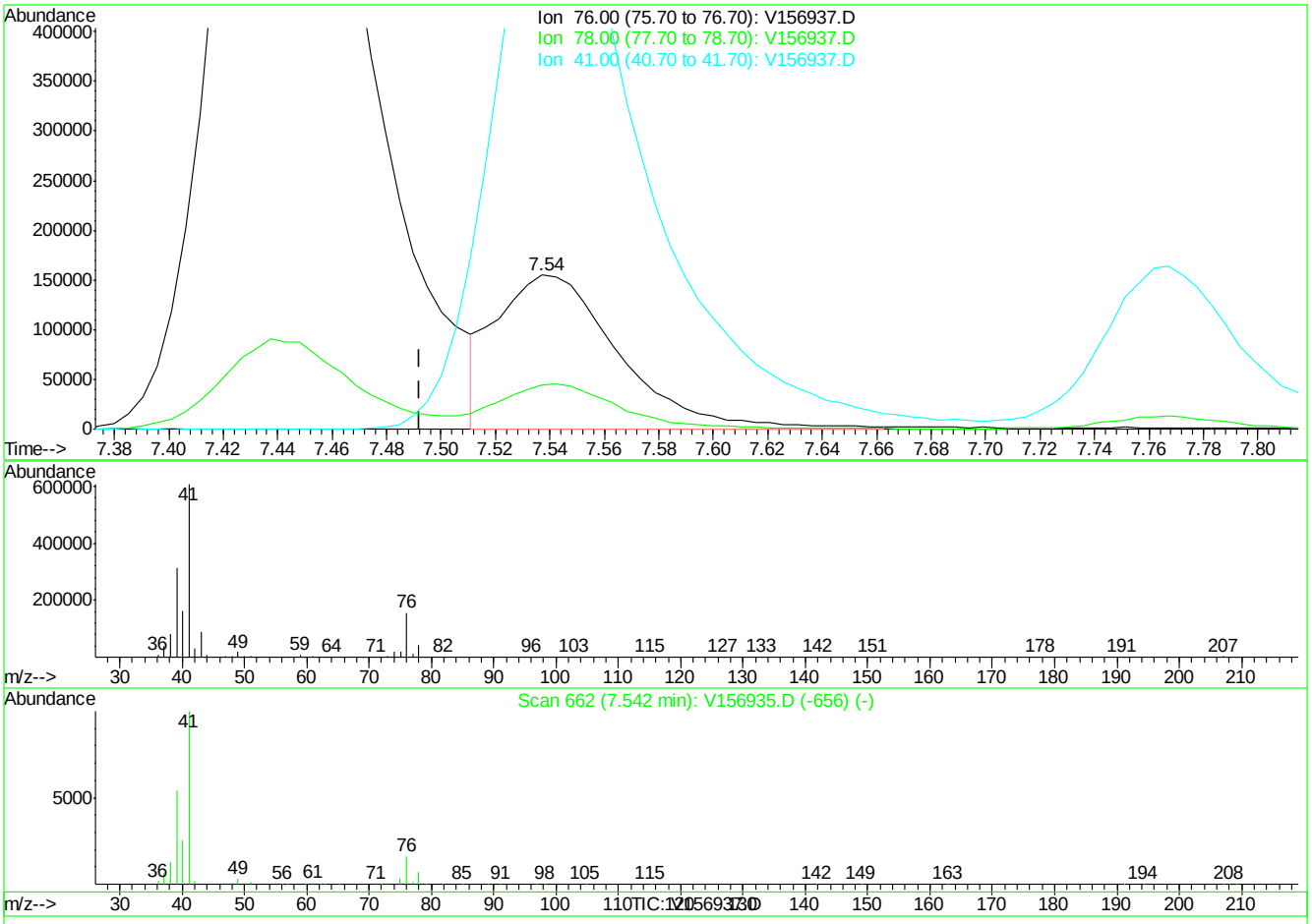
V156937.D MVS6633.M Thu Oct 29 09:49:23 2015 MSV

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\DATA\V156937.D Vial: 11
Acq On : 28 Oct 2015 9:58 pm Operator: payalr
Sample : ic6633-200 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 09:48:41 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 09:48:37 2015
Response via : Multiple Level Calibration



(22) allyl chloride

7.54min 195.61ug/L m

response 485889

Ion	Exp%	Act%
76.00	100	100
78.00	29.90	28.70
41.00	371.30	391.50
0.00	0.00	0.00

V156937.D MVS6633.M Thu Oct 29 09:49:32 2015 MSV

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/01/15 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156940.D
Acq On : 28 Oct 2015 11:23 pm
Operator : payalr
Sample : icv6633-50
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 29 10:48:06 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.68	65	258106	500.00	ug/L	0.00
4) pentafluorobenzene	9.91	168	537829	50.00	ug/L	0.00
52) 1,4-difluorobenzene	10.86	114	640063	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	550510	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.88	152	309755	50.00	ug/L	0.00

System Monitoring Compounds

48) dibromofluoromethane (s)	10.00	113	214500	50.24	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 100.48%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	210480	49.87	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 99.74%			
74) toluene-d8 (s)	12.59	98	765585	49.39	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.78%			
97) 4-bromofluorobenzene (s)	15.57	95	270974	49.69	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 99.38%			

Target Compounds

						Qvalue
2) tertiary butyl alcohol	7.81	59	160885	242.82	ug/L	96
3) 1,4-dioxane	11.62	88	59279	1247.07	ug/L	94
6) chlorodifluoromethane	4.34	51	239569	30.78	ug/L	99
7) dichlorodifluoromethane	4.33	85	370190	42.45	ug/L	98
8) chloromethane	4.65	50	382582	47.34	ug/L	96
9) vinyl chloride	4.91	62	396275	47.86	ug/L	95
11) bromomethane	5.57	96	240857	50.99	ug/L	97
12) chloroethane	5.72	64	183834	48.54	ug/L	96
13) trichlorofluoromethane	6.18	101	399801	48.15	ug/L	96
15) ethyl ether	6.56	74	114532	50.37	ug/L	95
16) 2-chloropropane	6.78	43	420287	47.00	ug/L	98
17) acrolein	6.86	56	385956	500.59	ug/L	98
18) freon 113	6.96	151	166097	43.49	ug/L	96
19) 1,1-dichloroethene	7.01	61	353484	48.65	ug/L	97
20) acetone	7.09	58	17805	50.04	ug/L	93
21) iso-butyl alcohol	10.50	74	75936	496.37	ug/L	97
22) allyl chloride	7.54	76	146043m	57.89	ug/L	
23) acetonitrile	7.54	41	624191	522.35	ug/L	97
24) iodomethane	7.32	142	470800	49.63	ug/L	99
25) carbon disulfide	7.44	76	902348	49.28	ug/L	99
26) methylene chloride	7.75	84	259663	45.77	ug/L	98
27) 1-chloropropane	7.77	42	405582	47.49	ug/L	99
28) methyl acetate	7.52	43	130752	51.53	ug/L	99
29) methyl tert butyl ether	8.04	73	1510775	94.96	ug/L	93
30) trans-1,2-dichloroethene	8.10	61	333473	48.32	ug/L	97
31) di-isopropyl ether	8.60	45	787291	48.04	ug/L	100
32) 2-butanone	9.39	72	22124	51.36	ug/L	82
33) 1,1-dichloroethane	8.68	63	424067	51.17	ug/L	99
34) chloroprene	8.78	53	370454	58.03	ug/L	97
35) acrylonitrile	8.09	53	346124	262.44	ug/L	96
36) vinyl acetate	8.64	86	31433	47.52	ug/L	93
37) ethyl tert-butyl ether	9.07	59	787137	49.06	ug/L	99
38) ethyl acetate	9.37	45	21827	45.53	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156940.D
Acq On : 28 Oct 2015 11:23 pm
Operator : payalr
Sample : icv6633-50
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 29 10:48:06 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,2-dichloropropane	9.43	77	404492	46.80	ug/L		98
40) cis-1,2-dichloroethene	9.43	96	255247	47.37	ug/L		98
41) propionitrile	9.51	54	263557	528.63	ug/L		98
42) methyl acrylate	9.47	85	25348	53.37	ug/L	#	84
43) methacrylonitrile	9.69	67	70290	50.86	ug/L		94
44) bromochloromethane	9.75	128	120274	50.38	ug/L		93
45) tetrahydrofuran	9.79	42	67650	49.17	ug/L		94
46) chloroform	9.80	83	410431	50.36	ug/L		97
47) tert-Butyl Formate	9.81	59	200356	54.94	ug/L		95
50) 1,1,1-trichloroethane	10.05	97	418920	49.80	ug/L		97
51) Cyclohexane	10.11	84	365370	44.84	ug/L	#	62
53) methylcyclohexane	11.43	83	354080	43.37	ug/L		97
54) epichlorohydrin	12.20	57	78050	228.77	ug/L		98
55) n-butyl alcohol	10.98	56	326809	2678.09	ug/L		99
56) carbon tetrachloride	10.25	117	352360	48.99	ug/L		93
57) 1,1-dichloropropene	10.22	75	292679	51.39	ug/L		97
58) hexane	8.36	57	180030	38.53	ug/L		95
59) 2,2,4-Trimethylpentane	10.45	57	683178	40.76	ug/L		99
60) benzene	10.50	78	890643	49.16	ug/L		98
61) tert-amyl methyl ether	10.49	73	753264	48.70	ug/L		98
62) heptane	10.61	57	116896	39.05	ug/L		96
63) isopropyl acetate	10.38	61	71935	54.05	ug/L		95
64) 1,2-dichloroethane	10.53	62	271084	52.00	ug/L		99
66) trichloroethene	11.22	95	211235	48.60	ug/L		96
67) 2-chloroethyl vinyl ether	12.04	63	492067	244.17	ug/L		99
68) methyl methacrylate	11.48	100	46170	55.43	ug/L		93
69) 1,2-dichloropropane	11.51	63	220053	52.09	ug/L		97
70) dibromomethane	11.69	93	123348	49.84	ug/L		97
71) bromodichloromethane	11.81	83	295120	51.40	ug/L		97
72) 2-nitropropane	12.06	41	68886	50.11	ug/L		90
73) cis-1,3-dichloropropene	12.29	75	320170	49.61	ug/L		95
75) 4-methyl-2-pentanone	12.38	58	75818	52.63	ug/L		90
76) toluene	12.67	92	527746	47.64	ug/L		94
77) isoamyl alcohol	12.40	55	210914	960.68	ug/L		97
78) trans-1,3-dichloropropene	12.90	75	265873	47.46	ug/L		97
79) ethyl methacrylate	12.86	69	227098	48.58	ug/L		99
80) 1,1,2-trichloroethane	13.14	83	138134	49.38	ug/L		98
81) 2-hexanone	13.31	58	58565	49.28	ug/L		97
83) tetrachloroethene	13.31	166	243463	51.44	ug/L		96
84) 1,3-dichloropropane	13.34	76	257911	50.61	ug/L		92
85) butyl acetate	13.37	56	111705	52.74	ug/L		99
86) 3,3-Dimethyl-1-Butanol	13.49	69	198495	516.51	ug/L		97
87) dibromochloromethane	13.64	129	212745	52.45	ug/L		99
88) 1,2-dibromoethane	13.81	107	162564	51.51	ug/L		94
89) chlorobenzene	14.31	112	564362	50.20	ug/L		99
90) 1,1,1,2-tetrachloroethane	14.37	131	259983	49.74	ug/L		96
91) ethylbenzene	14.35	91	1010139	48.58	ug/L		100
92) m,p-xylene	14.47	106	824734	99.46	ug/L		97
93) o-xylene	14.94	106	457937	52.36	ug/L		93
94) styrene	14.96	104	661016	49.04	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156940.D
Acq On : 28 Oct 2015 11:23 pm
Operator : payalr
Sample : icv6633-50
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 29 10:48:06 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
95) bromoform	15.29	173	149563	51.57 ug/L	98
96) cyclohexanone	15.56	55	97264	462.39 ug/L	95
99) isopropylbenzene	15.32	105	1204010	51.29 ug/L	100
100) 1,1,2,2-tetrachloroethane	15.70	83	246304	48.63 ug/L	96
101) trans-1,4-dichloro-2-buten	15.74	53	63464	46.49 ug/L	95
102) 1,2,3-trichloropropane	15.78	110	62830	51.23 ug/L #	63
103) bromobenzene	15.80	156	274055	51.05 ug/L	99
104) n-propylbenzene	15.78	91	1341635	52.53 ug/L	99
105) 2-chlorotoluene	15.96	126	282343	49.66 ug/L	95
106) 4-chlorotoluene	16.07	91	743799	48.69 ug/L	99
107) 1,3,5-trimethylbenzene	15.94	105	1054512	50.84 ug/L	99
108) tert-butylbenzene	16.33	119	923296	53.28 ug/L	99
109) pentachloroethane	16.45	167	208012	54.49 ug/L	98
110) 1,2,4-trimethylbenzene	16.39	105	1078527	53.04 ug/L	98
111) sec-butylbenzene	16.57	105	1445700	51.53 ug/L	99
112) p-isopropyltoluene	16.70	119	1220307	52.81 ug/L	99
113) 1,3-dichlorobenzene	16.82	146	559005	49.13 ug/L	99
114) 1,4-dichlorobenzene	16.90	146	555302	49.82 ug/L	99
115) 1,2-dichlorobenzene	17.35	146	587832	50.05 ug/L	98
116) Benzyl Chloride	17.04	91	438471	42.87 ug/L	99
118) n-butylbenzene	17.17	92	605317	50.76 ug/L	98
119) hexachloroethane	17.63	201	222836	56.20 ug/L	96
120) 1,2-dibromo-3-chloropropan	18.22	157	68264	49.77 ug/L	97
121) 1,3,5-trichlorobenzene	18.40	180	598779	48.59 ug/L	98
122) 1,2,4-trichlorobenzene	19.14	180	560552	47.53 ug/L	99
123) hexachlorobutadiene	19.25	225	315809	49.39 ug/L	92
124) naphthalene	19.49	128	1183449	47.23 ug/L	99
125) 1,2,3-trichlorobenzene	19.79	180	556165	46.70 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

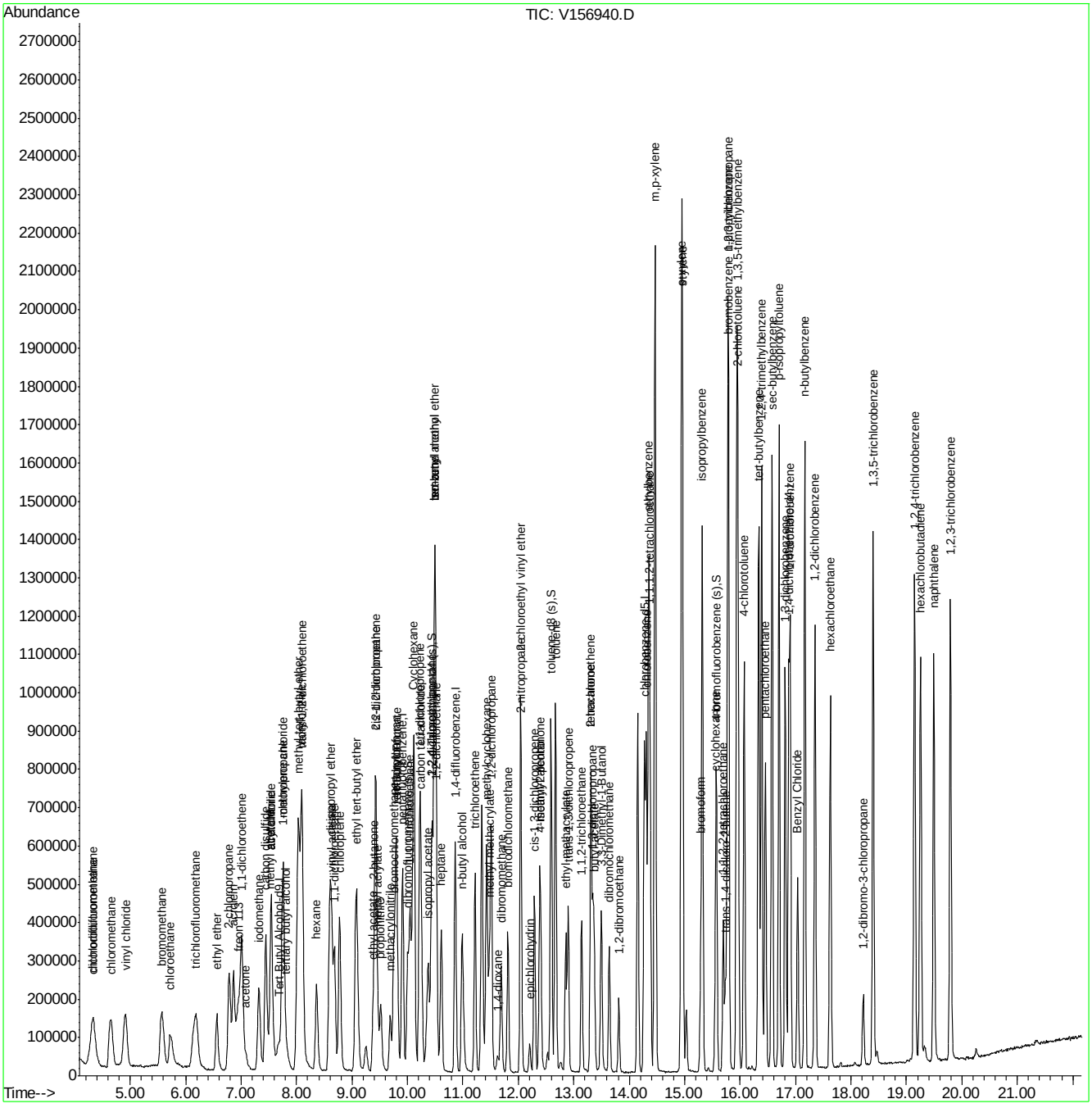
7.7.22

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V156940.D
Acq On : 28 Oct 2015 11:23 pm
Operator : payalr
Sample : icv6633-50
Misc : MS92958,VV6633,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 29 10:48:06 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Manual Integration Approval Summary

Sample Number:	VV6633-ICV6633	**Method:**	SW846 8260C
Lab FileID:	V156940.D	**Analyst approved:**	10/29/15 11:53 Dana Tryon
Injection Time:	10/28/15 23:23	**Supervisor approved:**	11/01/15 15:12 Jessica Reitan-Chu

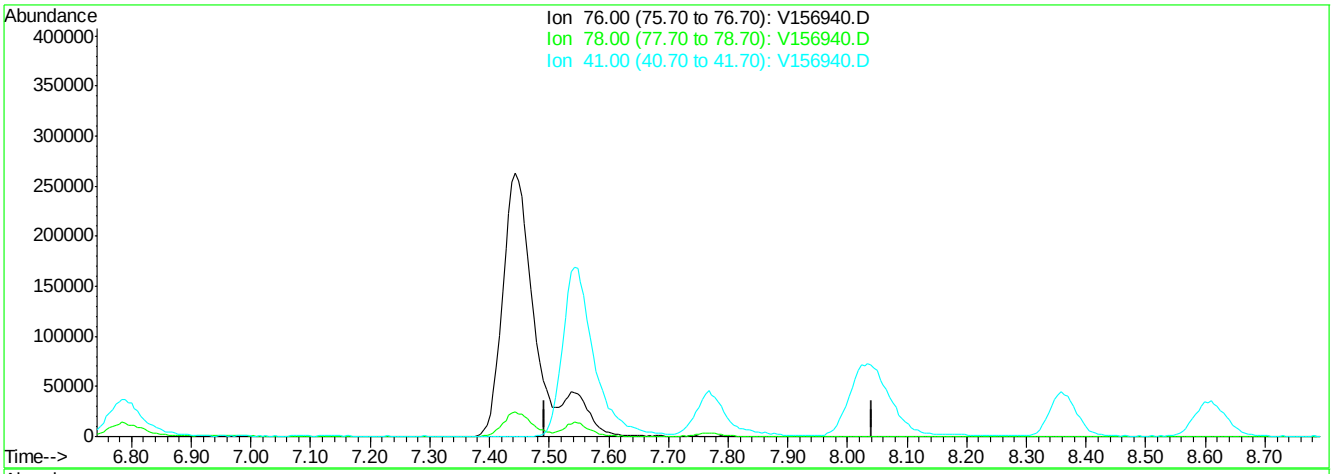
Parameter	CAS	Sig#	R.T. (min.)	Reason
Allyl chloride	107-05-1		7.54	Missed peak

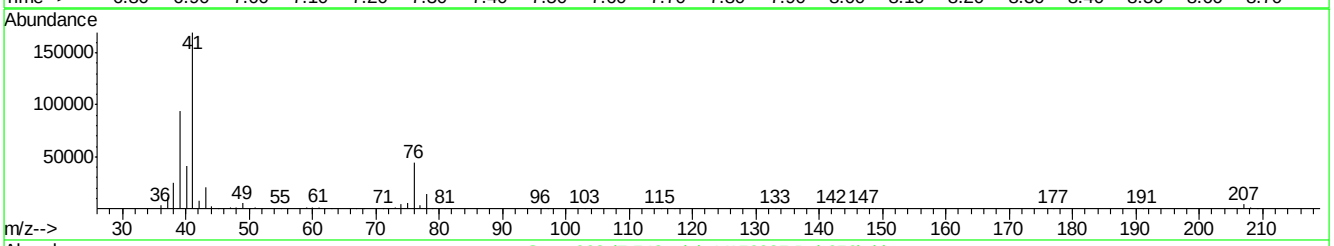
Quantitation Report (Qedit)

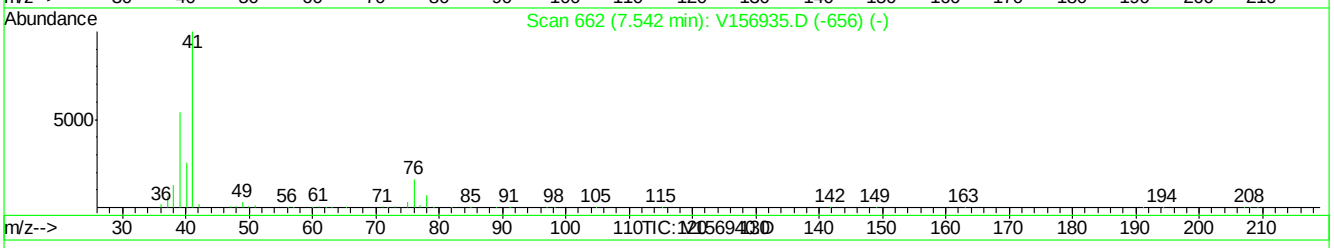
Data File : C:\MSDChem\1\DATA\V156940.D Vial: 14
Acq On : 28 Oct 2015 11:23 pm Operator: payalr
Sample : icv6633-50 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 10:21:34 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 10:20:29 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.54min 0.00ug/L

response 0

Ion	Exp%	Act%
76.00	100	0.00
78.00	29.90	0.00
41.00	371.30	0.00#
0.00	0.00	0.00

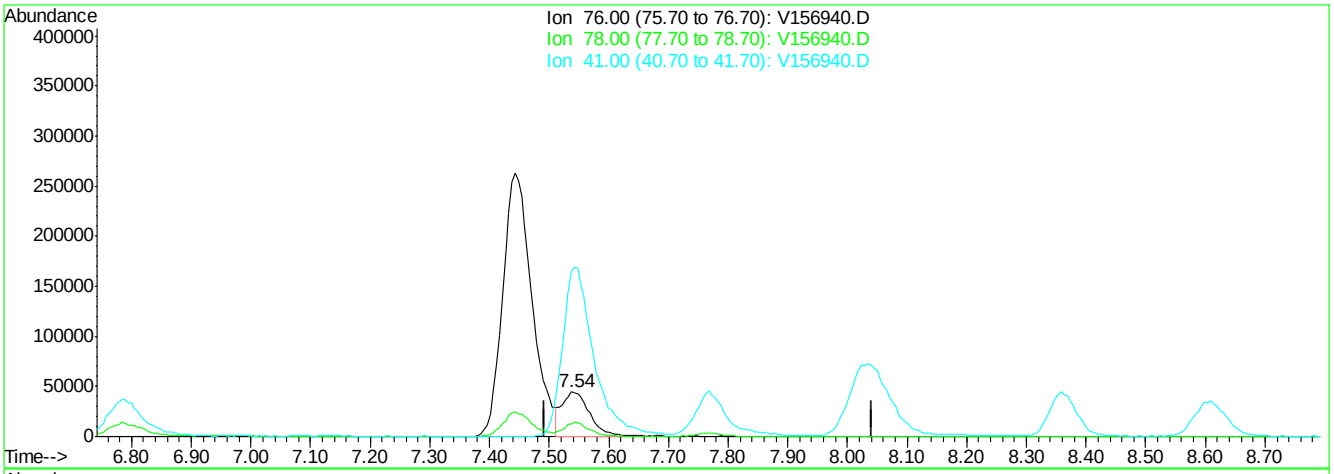
V156940.D MVS6633.M Thu Oct 29 10:25:42 2015 MSV

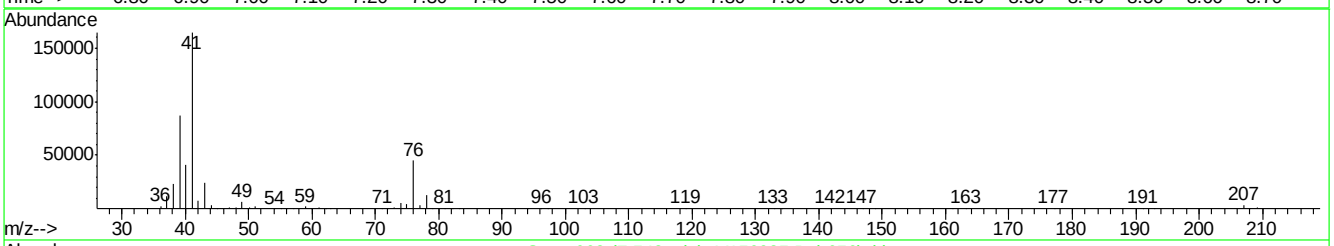
Quantitation Report (Qedit)

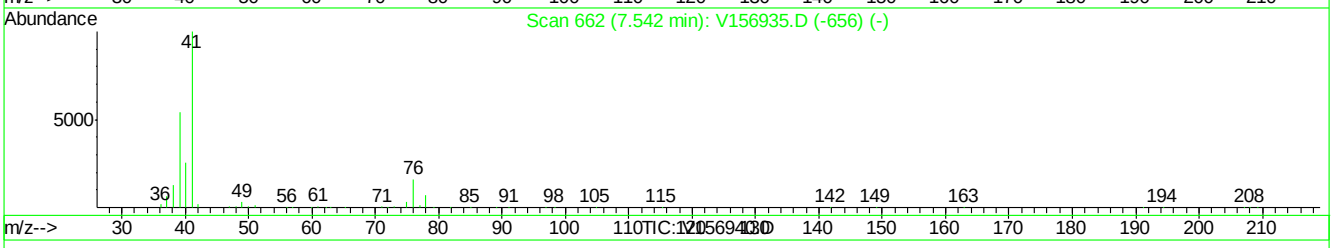
Data File : C:\MSDChem\1\DATA\V156940.D Vial: 14
Acq On : 28 Oct 2015 11:23 pm Operator: payalr
Sample : icv6633-50 Inst : MSV
Misc : MS92958,VV6633,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 29 10:21:34 2015 Results File: MVS6633.RES

Method : C:\MSDCHEM\1\METHODS\MVS6633.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Thu Oct 29 10:20:29 2015
Response via : Multiple Level Calibration







(22) allyl chloride

7.54min 57.89ug/L m

response 146043

Ion	Exp%	Act%
76.00	100	100
78.00	29.90	28.16
41.00	371.30	368.16
0.00	0.00	0.00

V156940.D MVS6633.M Thu Oct 29 10:25:47 2015 MSV

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158430.D
Acq On : 18 Dec 2015 7:47 am
Operator : payalr
Sample : cc6633-20
Misc : MS96180,VV6686,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 15:30:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.67	65	177333	500.00	ug/L	-0.01
4) pentafluorobenzene	9.90	168	424822	50.00	ug/L	-0.01
52) 1,4-difluorobenzene	10.85	114	532666	50.00	ug/L	-0.01
82) chlorobenzene-d5	14.27	117	482905	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	267145	50.00	ug/L	-0.01

System Monitoring Compounds

48) dibromofluoromethane (s)	9.99	113	160570	47.61	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 95.22%			
49) 1,2-dichloroethane-d4 (s)	10.42	65	147443	44.22	ug/L	-0.01
Spiked Amount 50.000	Range 68 - 124		Recovery = 88.44%			
74) toluene-d8 (s)	12.58	98	642286	49.79	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.58%			
97) 4-bromofluorobenzene (s)	15.57	95	236917	49.53	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 99.06%			

Target Compounds

						Qvalue
2) tertiary butyl alcohol	7.79	59	45684	100.36	ug/L	88
3) 1,4-dioxane	11.62	88	19188	587.53	ug/L	81
6) chlorodifluoromethane	4.33	51	132855	21.61	ug/L	98
7) dichlorodifluoromethane	4.30	85	148381	21.54	ug/L	97
8) chloromethane	4.64	50	152942	23.96	ug/L	97
9) vinyl chloride	4.91	62	160438	24.53	ug/L	97
11) bromomethane	5.55	96	85753	22.98	ug/L	97
12) chloroethane	5.72	64	63372	21.18	ug/L	95
13) trichlorofluoromethane	6.17	101	134972	20.58	ug/L	96
15) ethyl ether	6.55	74	34983	19.48	ug/L	87
16) 2-chloropropane	6.78	43	149095	21.11	ug/L	94
17) acrolein	6.85	56	132983	218.36	ug/L	100
18) freon 113	6.95	151	66958	22.19	ug/L	91
19) 1,1-dichloroethene	7.00	61	117034	20.39	ug/L	93
20) acetone	7.07	58	6048	21.52	ug/L	96
21) iso-butyl alcohol	10.49	74	25705	212.72	ug/L	90
22) allyl chloride	7.53	76	49057	24.62	ug/L #	85
23) acetonitrile	7.53	41	222699	235.94	ug/L	96
24) iodomethane	7.31	142	149263	19.92	ug/L	99
25) carbon disulfide	7.43	76	322751	22.31	ug/L	99
26) methylene chloride	7.73	84	87981	19.63	ug/L	99
27) 1-chloropropane	7.76	42	142752	21.16	ug/L	90
28) methyl acetate	7.51	43	38019	18.97	ug/L	97
29) methyl tert butyl ether	8.02	73	229673	18.28	ug/L	97
30) trans-1,2-dichloroethene	8.09	61	119976	22.01	ug/L	95
31) di-isopropyl ether	8.59	45	264106	20.40	ug/L	97
32) 2-butanone	9.38	72	6464	19.00	ug/L #	2
33) 1,1-dichloroethane	8.68	63	145815	22.27	ug/L	97
34) chloroprene	8.77	53	101785	20.18	ug/L	94
35) acrylonitrile	8.08	53	112961	108.43	ug/L	97
36) vinyl acetate	8.64	86	9254	17.71	ug/L	92
37) ethyl tert-butyl ether	9.06	59	245999	19.41	ug/L	98
38) ethyl acetate	9.37	45	7282	19.23	ug/L	99

ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158430.D
Acq On : 18 Dec 2015 7:47 am
Operator : payalr
Sample : cc6633-20
Misc : MS96180,VV6686,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 15:30:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,2-dichloropropane	9.41	77	134367	19.68	ug/L		90
40) cis-1,2-dichloroethene	9.41	96	88407	20.77	ug/L		93
41) propionitrile	9.51	54	88129	223.79	ug/L		97
42) methyl acrylate	9.47	85	7192	19.17	ug/L	#	88
43) methacrylonitrile	9.68	67	22969	21.04	ug/L		88
44) bromochloromethane	9.74	128	37626	19.95	ug/L		82
45) tetrahydrofuran	9.78	42	20803	19.14	ug/L		97
46) chloroform	9.79	83	130871	20.33	ug/L		98
47) tert-Butyl Formate	9.81	59	56578	19.64	ug/L		95
50) 1,1,1-trichloroethane	10.03	97	131997	19.86	ug/L		98
51) Cyclohexane	10.09	84	153986	23.93	ug/L		89
53) methylcyclohexane	11.42	83	148740	21.89	ug/L		97
54) epichlorohydrin	12.19	57	26669	93.93	ug/L		94
55) n-butyl alcohol	10.99	56	97770	962.73	ug/L		94
56) carbon tetrachloride	10.24	117	117100	19.56	ug/L		98
57) 1,1-dichloropropene	10.21	75	98672	20.82	ug/L		95
58) hexane	8.35	57	80530	20.71	ug/L		95
59) 2,2,4-Trimethylpentane	10.43	57	278908	20.00	ug/L		95
60) benzene	10.49	78	330416	21.92	ug/L		98
61) tert-amyl methyl ether	10.48	73	236021	18.33	ug/L		95
62) heptane	10.60	57	52435	21.05	ug/L		97
63) isopropyl acetate	10.37	61	24691	22.29	ug/L	#	84
64) 1,2-dichloroethane	10.52	62	80873	18.64	ug/L		95
66) trichloroethene	11.21	95	76369	21.11	ug/L		93
67) 2-chloroethyl vinyl ether	12.04	63	173564	103.49	ug/L		96
68) methyl methacrylate	11.47	100	14210	20.50	ug/L	#	89
69) 1,2-dichloropropane	11.50	63	81457	23.17	ug/L		98
70) dibromomethane	11.68	93	39835	19.34	ug/L		94
71) bromodichloromethane	11.80	83	94009	19.67	ug/L		97
72) 2-nitropropane	12.04	41	19285	16.86	ug/L	#	99
73) cis-1,3-dichloropropene	12.28	75	111581	20.78	ug/L		94
75) 4-methyl-2-pentanone	12.37	58	24644	20.56	ug/L	#	79
76) toluene	12.66	92	197677	21.44	ug/L		98
77) isoamyl alcohol	12.39	55	65135	356.50	ug/L		96
78) trans-1,3-dichloropropene	12.89	75	92820	19.91	ug/L		93
79) ethyl methacrylate	12.85	69	75975	19.53	ug/L		98
80) 1,1,2-trichloroethane	13.13	83	47481	20.40	ug/L		96
81) 2-hexanone	13.31	58	19323	19.54	ug/L		98
83) tetrachloroethene	13.30	166	79541	19.16	ug/L		90
84) 1,3-dichloropropane	13.34	76	91725	20.52	ug/L		98
85) butyl acetate	13.37	56	37092	19.96	ug/L		92
86) 3,3-Dimethyl-1-Butanol	13.49	69	55106	163.47	ug/L		97
87) dibromochloromethane	13.64	129	65793	18.49	ug/L		94
88) 1,2-dibromoethane	13.81	107	53988	19.50	ug/L		96
89) chlorobenzene	14.30	112	205658	20.85	ug/L		97
90) 1,1,1,2-tetrachloroethane	14.37	131	88878	19.39	ug/L		95
91) ethylbenzene	14.35	91	381788	20.93	ug/L		99
92) m,p-xylene	14.46	106	304105	41.81	ug/L		99
93) o-xylene	14.94	106	159523	20.79	ug/L		97
94) styrene	14.95	104	238840	20.20	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158430.D
Acq On : 18 Dec 2015 7:47 am
Operator : payalr
Sample : cc6633-20
Misc : MS96180,VV6686,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 15:30:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

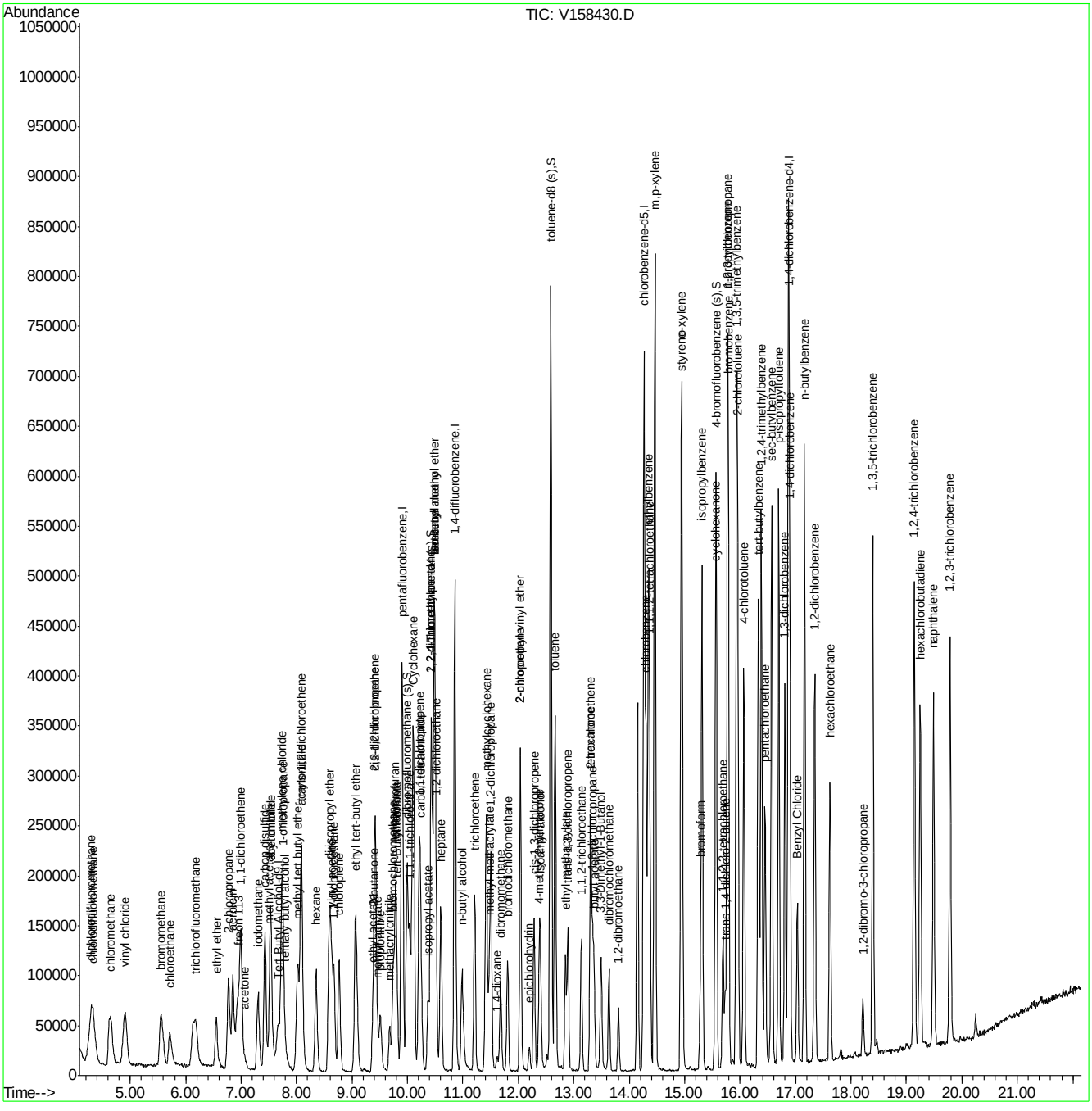
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
95) bromoform	15.28	173	45279	17.80	ug/L		98
96) cyclohexanone	15.55	55	28640	155.21	ug/L		92
99) isopropylbenzene	15.31	105	431360	21.31	ug/L		100
100) 1,1,2,2-tetrachloroethane	15.69	83	87319	19.99	ug/L		97
101) trans-1,4-dichloro-2-buten	15.73	53	20230	17.18	ug/L		89
102) 1,2,3-trichloropropane	15.78	110	19996	18.90	ug/L	#	86
103) bromobenzene	15.79	156	93296	20.15	ug/L		83
104) n-propylbenzene	15.77	91	502468	22.81	ug/L		99
105) 2-chlorotoluene	15.96	126	105148	21.44	ug/L		97
106) 4-chlorotoluene	16.07	91	279532	21.22	ug/L		99
107) 1,3,5-trimethylbenzene	15.94	105	363834	20.34	ug/L		98
108) tert-butylbenzene	16.33	119	301588	20.18	ug/L		99
109) pentachloroethane	16.45	167	66795	20.29	ug/L		96
110) 1,2,4-trimethylbenzene	16.38	105	375676	21.42	ug/L		98
111) sec-butylbenzene	16.57	105	511785	21.15	ug/L		98
112) p-isopropyltoluene	16.70	119	420403	21.09	ug/L		99
113) 1,3-dichlorobenzene	16.81	146	198363	20.21	ug/L		97
114) 1,4-dichlorobenzene	16.90	146	197077	20.50	ug/L		96
115) 1,2-dichlorobenzene	17.34	146	199990	19.74	ug/L		98
116) Benzyl Chloride	17.03	91	147518	16.73	ug/L		100
118) n-butylbenzene	17.16	92	237091	23.05	ug/L		98
119) hexachloroethane	17.63	201	66141	19.34	ug/L		97
120) 1,2-dibromo-3-chloropropan	18.21	157	20394	17.24	ug/L		94
121) 1,3,5-trichlorobenzene	18.39	180	214675	20.20	ug/L		98
122) 1,2,4-trichlorobenzene	19.14	180	197466	19.41	ug/L		98
123) hexachlorobutadiene	19.25	225	104205	18.90	ug/L		97
124) naphthalene	19.49	128	384758	17.80	ug/L		99
125) 1,2,3-trichlorobenzene	19.79	180	187096	18.22	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158430.D
Acq On : 18 Dec 2015 7:47 am
Operator : payalr
Sample : cc6633-20
Misc : MS96180,VV6686,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 15:30:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158453.D
Acq On : 18 Dec 2015 7:41 pm
Operator : payalr
Sample : cc6633-50
Misc : MS96266,VV6686,5.0,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 16:04:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.68	65	216376	500.00	ug/L	0.00
4) pentafluorobenzene	9.90	168	398538	50.00	ug/L	-0.01
52) 1,4-difluorobenzene	10.86	114	504754	50.00	ug/L	0.00
82) chlorobenzene-d5	14.27	117	465827	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	16.87	152	265164	50.00	ug/L	0.00

System Monitoring Compounds						
48) dibromofluoromethane (s)	9.99	113	156501	49.47	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 98.94%			
49) 1,2-dichloroethane-d4 (s)	10.43	65	148001	47.32	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 94.64%			
74) toluene-d8 (s)	12.58	98	608258	49.76	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.52%			
97) 4-bromofluorobenzene (s)	15.57	95	234497	50.82	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 101.64%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.79	59	126868	228.41	ug/L	98
3) 1,4-dioxane	11.62	88	56585	1419.98	ug/L	92
6) chlorodifluoromethane	4.33	51	334111	57.92	ug/L	95
7) dichlorodifluoromethane	4.29	85	312723	48.39	ug/L	96
8) chloromethane	4.63	50	293584	49.03	ug/L	99
9) vinyl chloride	4.91	62	315378	51.40	ug/L	99
11) bromomethane	5.56	96	167821	47.94	ug/L	98
12) chloroethane	5.71	64	126398	45.04	ug/L	94
13) trichlorofluoromethane	6.16	101	283895	46.14	ug/L	97
15) ethyl ether	6.55	74	87649	52.02	ug/L	92
16) 2-chloropropane	6.77	43	306610	46.28	ug/L	93
17) acrolein	6.85	56	284856	498.59	ug/L	96
18) freon 113	6.95	151	166380	58.79	ug/L	95
19) 1,1-dichloroethene	7.00	61	255281	47.41	ug/L	97
20) acetone	7.07	58	14132	53.60	ug/L	83
21) iso-butyl alcohol	10.49	74	60471	533.43	ug/L	94
23) acetonitrile	7.53	41	508379	574.13	ug/L	93
24) iodomethane	7.31	142	332004	47.23	ug/L	97
25) carbon disulfide	7.43	76	693095	51.08	ug/L	99
26) methylene chloride	7.74	84	200381	47.66	ug/L	97
27) 1-chloropropane	7.76	42	295701	46.73	ug/L	94
28) methyl acetate	7.51	43	104262	55.45	ug/L	98
29) methyl tert butyl ether	8.02	73	549681	46.63	ug/L	98
30) trans-1,2-dichloroethene	8.10	61	256804	50.22	ug/L	98
31) di-isopropyl ether	8.59	45	636181	52.38	ug/L	95
32) 2-butanone	9.38	72	17100	53.57	ug/L #	24
33) 1,1-dichloroethane	8.68	63	326948	53.23	ug/L	99
34) chloroprene	8.77	53	242070	51.17	ug/L	93
35) acrylonitrile	8.08	53	279318	285.80	ug/L	96
36) vinyl acetate	8.63	86	26362	53.78	ug/L	92
37) ethyl tert-butyl ether	9.07	59	612754	51.54	ug/L	99
38) ethyl acetate	9.37	45	20567	57.90	ug/L #	79
39) 2,2-dichloropropane	9.41	77	307875	48.07	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158453.D
Acq On : 18 Dec 2015 7:41 pm
Operator : payalr
Sample : cc6633-50
Misc : MS96266,VV6686,5.0,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 16:04:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) cis-1,2-dichloroethene	9.42	96	201179	50.38	ug/L		99
41) propionitrile	9.51	54	232532	629.41	ug/L		96
42) methyl acrylate	9.46	85	20480	58.19	ug/L	#	85
43) methacrylonitrile	9.68	67	59884	58.47	ug/L		94
44) bromochloromethane	9.74	128	90806	51.33	ug/L		86
45) tetrahydrofuran	9.77	42	51366	50.38	ug/L		97
46) chloroform	9.79	83	299103	49.53	ug/L		98
47) tert-Butyl Formate	9.80	59	150035	55.52	ug/L		94
50) 1,1,1-trichloroethane	10.04	97	290408	46.58	ug/L		97
51) Cyclohexane	10.10	84	338296	56.03	ug/L		84
53) methylcyclohexane	11.42	83	373332	57.99	ug/L		96
54) epichlorohydrin	12.20	57	76809	285.48	ug/L		96
55) n-butyl alcohol	10.98	56	293959	3054.65	ug/L		96
56) carbon tetrachloride	10.24	117	257506	45.40	ug/L		98
57) 1,1-dichloropropene	10.21	75	220458	49.09	ug/L		97
58) hexane	8.35	57	230589	62.58	ug/L		95
59) 2,2,4-Trimethylpentane	10.44	57	798647	60.42	ug/L		96
60) benzene	10.49	78	741995	51.94	ug/L		97
61) tert-amyl methyl ether	10.48	73	596090	48.87	ug/L		98
62) heptane	10.60	57	143969	60.99	ug/L		94
63) isopropyl acetate	10.37	61	63474	60.48	ug/L	#	86
64) 1,2-dichloroethane	10.52	62	192735	46.88	ug/L		92
66) trichloroethene	11.21	95	171670	50.08	ug/L		99
67) 2-chloroethyl vinyl ether	12.04	63	464637	292.36	ug/L		96
68) methyl methacrylate	11.47	100	37461	57.03	ug/L		92
69) 1,2-dichloropropane	11.50	63	187375	56.25	ug/L		99
70) dibromomethane	11.68	93	100037	51.26	ug/L		93
71) bromodichloromethane	11.81	83	226818	50.09	ug/L		98
72) 2-nitropropane	12.05	41	48353	44.60	ug/L		94
73) cis-1,3-dichloropropene	12.28	75	273614	53.77	ug/L		93
75) 4-methyl-2-pentanone	12.38	58	67659	59.56	ug/L		93
76) toluene	12.66	92	445876	51.03	ug/L		97
77) isoamyl alcohol	12.39	55	192217	1110.21	ug/L		95
78) trans-1,3-dichloropropene	12.89	75	235792	53.37	ug/L		91
79) ethyl methacrylate	12.85	69	201175	54.57	ug/L		97
80) 1,1,2-trichloroethane	13.13	83	121056	54.88	ug/L		95
81) 2-hexanone	13.31	58	59239	63.21	ug/L		95
83) tetrachloroethene	13.30	166	188916	47.17	ug/L		94
84) 1,3-dichloropropane	13.34	76	232028	53.81	ug/L		96
85) butyl acetate	13.36	56	100437	56.04	ug/L		98
86) 3,3-Dimethyl-1-Butanol	13.49	69	166549	512.17	ug/L		98
87) dibromochloromethane	13.64	129	166011	48.37	ug/L		99
88) 1,2-dibromoethane	13.81	107	139751	52.33	ug/L		94
89) chlorobenzene	14.30	112	483809	50.86	ug/L		98
90) 1,1,1,2-tetrachloroethane	14.37	131	210232	47.54	ug/L		98
91) ethylbenzene	14.35	91	858135	48.78	ug/L		100
92) m,p-xylene	14.46	106	682909	97.33	ug/L		99
93) o-xylene	14.94	106	369439	49.92	ug/L		99
94) styrene	14.95	104	577439	50.63	ug/L		97
95) bromoform	15.28	173	116685	47.55	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158453.D
Acq On : 18 Dec 2015 7:41 pm
Operator : payalr
Sample : cc6633-50
Misc : MS96266,VV6686,5.0,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 16:04:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration

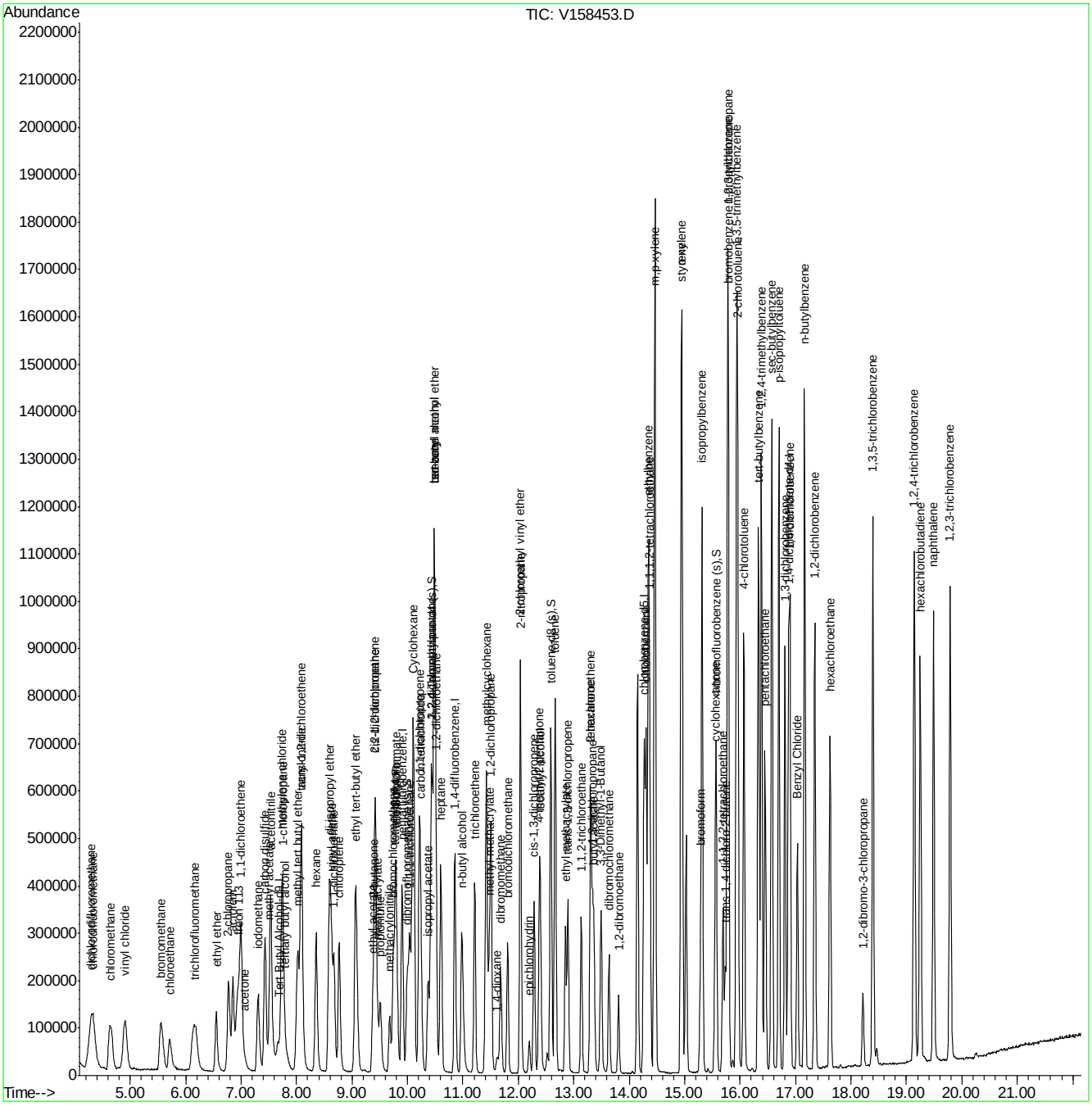
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
96) cyclohexanone	15.55	55	130084	730.84 ug/L	93
99) isopropylbenzene	15.31	105	1007564	50.14 ug/L	99
100) 1,1,2,2-tetrachloroethane	15.69	83	228026	52.60 ug/L	93
101) trans-1,4-dichloro-2-buten	15.73	53	55152	47.20 ug/L	91
102) 1,2,3-trichloropropane	15.78	110	52183	49.70 ug/L	91
103) bromobenzene	15.79	156	225865	49.15 ug/L	89
104) n-propylbenzene	15.77	91	1147212	52.47 ug/L	99
105) 2-chlorotoluene	15.96	126	244304	50.19 ug/L	99
106) 4-chlorotoluene	16.07	91	652165	49.87 ug/L	98
107) 1,3,5-trimethylbenzene	15.94	105	867711	48.87 ug/L	98
108) tert-butylbenzene	16.33	119	744476	50.19 ug/L	100
109) pentachloroethane	16.45	167	164116	50.22 ug/L	98
110) 1,2,4-trimethylbenzene	16.38	105	891426	51.21 ug/L	98
111) sec-butylbenzene	16.57	105	1231532	51.28 ug/L	99
112) p-isopropyltoluene	16.70	119	1011868	51.15 ug/L	99
113) 1,3-dichlorobenzene	16.81	146	470435	48.30 ug/L	99
114) 1,4-dichlorobenzene	16.90	146	466741	48.92 ug/L	99
115) 1,2-dichlorobenzene	17.34	146	483461	48.09 ug/L	97
116) Benzyl Chloride	17.04	91	432534	49.41 ug/L	99
118) n-butylbenzene	17.16	92	556659	54.53 ug/L	100
119) hexachloroethane	17.63	201	165618	48.79 ug/L	98
120) 1,2-dibromo-3-chloropropan	18.22	157	57477	48.95 ug/L	98
121) 1,3,5-trichlorobenzene	18.40	180	492722	46.71 ug/L	99
122) 1,2,4-trichlorobenzene	19.14	180	472201	46.77 ug/L	99
123) hexachlorobutadiene	19.25	225	257685	47.08 ug/L	93
124) naphthalene	19.49	128	1023599	47.72 ug/L	99
125) 1,2,3-trichlorobenzene	19.79	180	460511	45.17 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : V158453.D
Acq On : 18 Dec 2015 7:41 pm
Operator : payalr
Sample : cc6633-50
Misc : MS96266,VV6686,5.0,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 16:04:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MVS6633.M
Quant Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu Oct 29 11:45:05 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158702.D
Acq On : 8 Nov 2015 12:09 pm
Operator : prashans
Sample : IC6930-0.2
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 09 11:55:48 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.29	65	103448	500.00	ug/L	0.02
4) pentafluorobenzene	9.48	168	248490	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.40	114	333439	50.00	ug/L	-0.01
83) chlorobenzene-d5	13.54	117	258298	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	15.83	152	126355	50.00	ug/L	-0.01

System Monitoring Compounds

45) dibromofluoromethane (s)	9.54	113	106988	51.34	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 102.68%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	106055	43.97	ug/L	-0.01
Spiked Amount 50.000	Range 68 - 124		Recovery = 87.94%			
75) toluene-d8 (s)	12.03	98	376600	46.66	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 93.32%			
100) 4-bromofluorobenzene (s)	14.68	95	138391	55.69	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 111.38%			

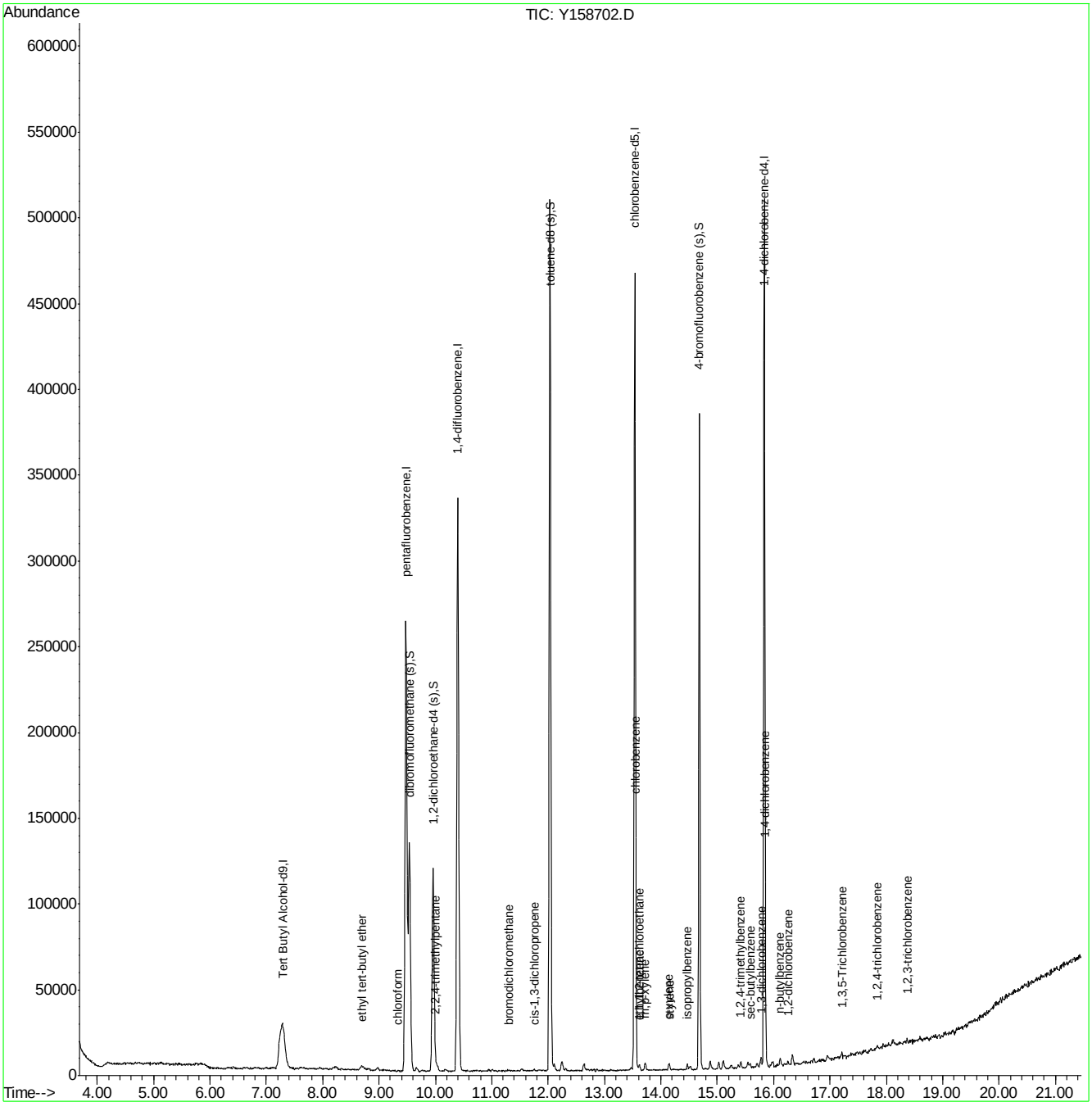
Target Compounds						Qvalue
30) ethyl tert-butyl ether	8.69	59	1227	0.17	ug/L #	52
42) chloroform	9.34	83	813	0.21	ug/L	80
51) 2,2,4-trimethylpentane	10.01	57	1549	0.22	ug/L #	55
73) bromodichloromethane	11.30	83	411	0.13	ug/L	86
74) cis-1,3-dichloropropene	11.76	75	626	0.17	ug/L #	76
91) chlorobenzene	13.56	112	1045	0.20	ug/L	78
92) 1,1,1,2-tetrachloroethane	13.62	131	308	0.15	ug/L	90
93) ethylbenzene	13.62	91	2030	0.24	ug/L	88
94) m,p-xylene	13.72	106	1453	0.47	ug/L	71
95) o-xylene	14.14	91	2024	0.27	ug/L #	72
96) styrene	14.15	104	1175	0.21	ug/L	89
99) isopropylbenzene	14.47	105	2050	0.27	ug/L	83
114) 1,2,4-trimethylbenzene	15.42	105	1724	0.25	ug/L	85
115) sec-butylbenzene	15.59	105	2186	0.26	ug/L	71
116) 1,3-dichlorobenzene	15.78	146	977	0.22	ug/L	92
118) 1,4-dichlorobenzene	15.86	146	1020	0.23	ug/L #	49
119) 1,2-dichlorobenzene	16.25	146	932	0.23	ug/L	98
120) n-butylbenzene	16.12	92	888	0.23	ug/L	93
123) 1,3,5-Trichlorobenzene	17.21	180	817	0.22	ug/L #	74
124) 1,2,4-trichlorobenzene	17.84	180	699	0.22	ug/L #	68
128) 1,2,3-trichlorobenzene	18.37	180	633	0.23	ug/L #	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158702.D
Acq On : 8 Nov 2015 12:09 pm
Operator : prashans
Sample : IC6930-0.2
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 09 11:55:48 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158703.D
Acq On : 8 Nov 2015 12:37 pm
Operator : prashans
Sample : IC6930-0.5
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 09 11:57:40 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.27	65	96704	500.00	ug/L	0.00
4) pentafluorobenzene	9.47	168	242810	50.00	ug/L	-0.01
53) 1,4-difluorobenzene	10.40	114	329209	50.00	ug/L	-0.01
83) chlorobenzene-d5	13.53	117	256885	50.00	ug/L	-0.01
98) 1,4-dichlorobenzene-d4	15.83	152	125606	50.00	ug/L	-0.01

System Monitoring Compounds

45) dibromofluoromethane (s)	9.53	113	105028	51.58	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 122		Recovery = 103.16%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	103169	43.77	ug/L	-0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 87.54%			
75) toluene-d8 (s)	12.03	98	370363	46.47	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 92.94%			
100) 4-bromofluorobenzene (s)	14.68	95	139236	56.36	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 112.72%			

Target Compounds

						Qvalue
18) 1,1-dichloroethene	6.57	61	1555	0.51	ug/L	93
22) iodomethane	6.85	142	1611	0.48	ug/L	89
23) carbon disulfide	6.99	76	3736	0.58	ug/L	81
28) trans-1,2-dichloroethene	7.67	61	1569	0.52	ug/L #	78
29) di-isopropyl ether	8.19	45	4501	0.61	ug/L	85
30) ethyl tert-butyl ether	8.67	59	3962	0.56	ug/L	98
32) 1,1-dichloroethane	8.24	63	1931	0.51	ug/L #	49
33) chloroprene	8.33	53	1428	0.56	ug/L	71
34) acrylonitrile	7.64	53	1411	2.17	ug/L	87
37) 2,2-dichloropropane	8.97	77	1980	0.57	ug/L	73
38) cis-1,2-dichloroethene	8.97	98	573	0.43	ug/L #	51
40) bromochloromethane	9.29	130	488	0.36	ug/L #	34
42) chloroform	9.33	83	1987	0.54	ug/L	81
51) 2,2,4-trimethylpentane	10.01	57	4546	0.66	ug/L #	87
57) 1,1-dichloropropene	9.76	75	1507	0.56	ug/L #	68
60) benzene	10.03	78	5212	0.56	ug/L	94
64) trichloroethene	10.74	95	1047	0.53	ug/L	82
67) 2-chloroethyl vinyl ether	11.54	63	2432	2.14	ug/L	93
70) methylcyclohexane	10.95	83	1941	0.62	ug/L	87
73) bromodichloromethane	11.30	83	1472	0.48	ug/L	92
74) cis-1,3-dichloropropene	11.75	75	1715	0.48	ug/L	92
79) trans-1,3-dichloropropene	12.31	75	1484	0.46	ug/L	94
80) ethyl methacrylate	12.30	69	903	0.41	ug/L	83
81) 1,1,2-trichloroethane	12.53	83	640	0.46	ug/L	90
84) tetrachloroethene	12.69	166	838	0.45	ug/L	87
85) 1,3-dichloropropane	12.71	76	1261	0.49	ug/L	84
88) 1,2-dibromoethane	13.12	107	623	0.41	ug/L	81
91) chlorobenzene	13.57	112	2633	0.52	ug/L	94
92) 1,1,1,2-tetrachloroethane	13.63	131	1015	0.49	ug/L	94
93) ethylbenzene	13.62	91	5134	0.61	ug/L	94
94) m,p-xylene	13.73	106	3559	1.16	ug/L	89
95) o-xylene	14.14	91	4265	0.58	ug/L	99
96) styrene	14.15	104	2884	0.53	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158703.D
Acq On : 8 Nov 2015 12:37 pm
Operator : prashans
Sample : IC6930-0.5
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 09 11:57:40 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

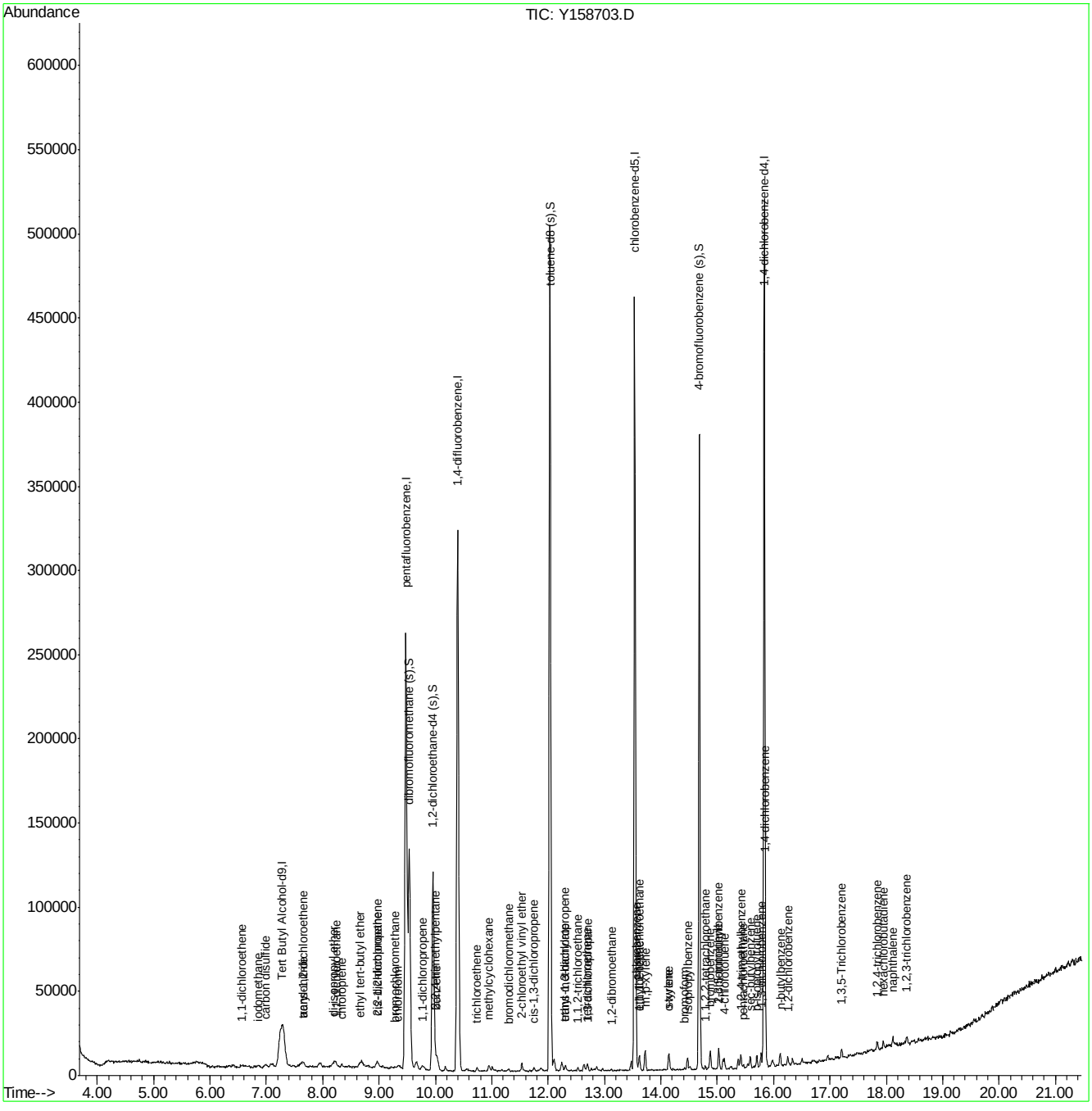
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
97) bromoform	14.42	173	485	0.34 ug/L #	36
99) isopropylbenzene	14.48	105	4730	0.63 ug/L	98
102) bromobenzene	14.88	156	1161	0.51 ug/L	86
104) 1,1,2,2-tetrachloroethane	14.79	83	1083	0.54 ug/L	76
109) 2-chlorotoluene	15.03	126	1101	0.57 ug/L #	82
110) 4-chlorotoluene	15.13	91	4233	0.70 ug/L	93
111) 1,3,5-trimethylbenzene	15.03	105	4015	0.59 ug/L	93
113) pentachloroethane	15.46	167	710	0.52 ug/L #	66
114) 1,2,4-trimethylbenzene	15.42	105	4472	0.64 ug/L	94
115) sec-butylbenzene	15.58	105	5329	0.63 ug/L	93
116) 1,3-dichlorobenzene	15.78	146	2404	0.54 ug/L	99
117) p-isopropyltoluene	15.70	119	4506	0.61 ug/L	92
118) 1,4-dichlorobenzene	15.86	146	2329	0.53 ug/L	90
119) 1,2-dichlorobenzene	16.25	146	2266	0.56 ug/L	88
120) n-butylbenzene	16.12	92	2468	0.64 ug/L #	77
123) 1,3,5-Trichlorobenzene	17.21	180	2014	0.54 ug/L #	92
124) 1,2,4-trichlorobenzene	17.83	180	1558	0.50 ug/L	91
126) hexachlorobutadiene	17.95	225	1150	0.54 ug/L	96
127) naphthalene	18.12	128	2972	0.53 ug/L	79
128) 1,2,3-trichlorobenzene	18.36	180	1443	0.53 ug/L	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158703.D
Acq On : 8 Nov 2015 12:37 pm
Operator : prashans
Sample : IC6930-0.5
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 09 11:57:40 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158704.D
Acq On : 8 Nov 2015 1:06 pm
Operator : prashans
Sample : IC6930-1
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 11:14:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Nov 09 11:56:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.26	65	90138	500.00	ug/L	-0.01
4) pentafluorobenzene	9.48	168	259264	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.40	114	345386	50.00	ug/L	0.00
83) chlorobenzene-d5	13.53	117	270361	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	15.84	152	129972	50.00	ug/L	0.00

System Monitoring Compounds						
45) dibromofluoromethane (s)	9.54	113	109579	48.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 97.54%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	108837	49.07	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 98.14%			
75) toluene-d8 (s)	12.03	98	390126	50.03	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 100.06%			
100) 4-bromofluorobenzene (s)	14.68	95	145642	50.53	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 101.06%			

Target Compounds						Qvalue
16) 2-chloropropane	6.34	63	743	0.84	ug/L #	13
17) acrolein	6.41	56	824569	1886.15	ug/L	100
18) 1,1-dichloroethene	6.58	61	3411	1.07	ug/L	96
20) allyl chloride	7.09	76	1160	1.01	ug/L #	26
22) iodomethane	6.86	142	3893	1.05	ug/L	85
23) carbon disulfide	6.98	76	8718	1.15	ug/L	90
27) methyl tert butyl ether	7.62	73	6705	1.05	ug/L	95
28) trans-1,2-dichloroethene	7.67	61	3432	1.05	ug/L	86
29) di-isopropyl ether	8.20	45	7798	1.02	ug/L	83
30) ethyl tert-butyl ether	8.67	59	7135	1.00	ug/L	89
32) 1,1-dichloroethane	8.23	63	4316	1.06	ug/L	87
33) chloroprene	8.33	53	3067	1.11	ug/L	85
34) acrylonitrile	7.63	53	2876	4.42	ug/L	95
37) 2,2-dichloropropane	8.98	77	4099	1.14	ug/L	90
38) cis-1,2-dichloroethene	8.97	98	1490	0.98	ug/L #	72
39) propionitrile	9.06	54	1769	7.19	ug/L #	47
40) bromochloromethane	9.29	130	1265	0.91	ug/L #	72
42) chloroform	9.34	83	4218	1.05	ug/L	96
49) 1,1,1-trichloroethane	9.58	97	3935	1.17	ug/L	88
50) Cyclohexane	9.66	84	3526	1.07	ug/L	99
51) 2,2,4-trimethylpentane	10.01	57	7846	1.00	ug/L	96
56) carbon tetrachloride	9.78	117	2957	1.05	ug/L	86
57) 1,1-dichloropropene	9.76	75	3218	1.14	ug/L	96
58) hexane	7.95	57	2476	1.15	ug/L	90
60) benzene	10.02	78	10708	1.18	ug/L	96
61) heptane	10.19	57	1576	1.12	ug/L	89
63) 1,2-dichloroethane	10.05	62	2441	0.94	ug/L	93
64) trichloroethene	10.74	95	2338	1.07	ug/L	96
67) 2-chloroethyl vinyl ether	11.53	63	4740	4.89	ug/L	94
69) 1,2-dichloropropane	11.01	63	2117	0.94	ug/L	98
70) methylcyclohexane	10.94	83	3440	1.04	ug/L	96
72) dibromomethane	11.16	93	1146	0.91	ug/L #	74
73) bromodichloromethane	11.30	83	2718	0.95	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158704.D
Acq On : 8 Nov 2015 1:06 pm
Operator : prashans
Sample : IC6930-1
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 11:14:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Nov 09 11:56:05 2015
Response via : Initial Calibration

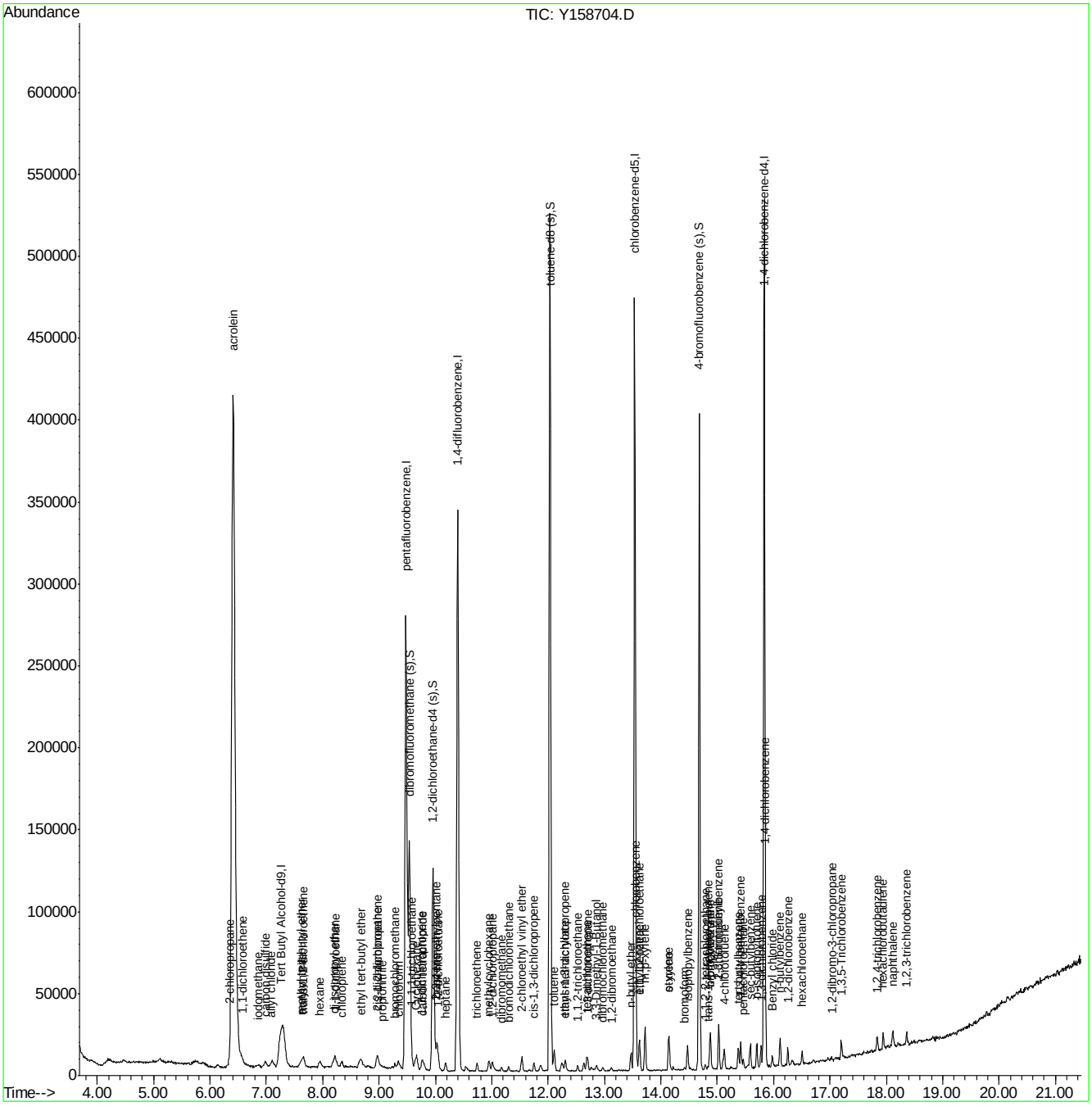
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
74) cis-1,3-dichloropropene	11.75	75	3176	0.92 ug/L	84
77) toluene	12.11	91	10202	1.18 ug/L	93
79) trans-1,3-dichloropropene	12.30	75	2755	0.92 ug/L	98
80) ethyl methacrylate	12.29	69	2030	0.93 ug/L	65
81) 1,1,2-trichloroethane	12.53	83	1186	0.85 ug/L	87
84) tetrachloroethene	12.69	166	1934	1.00 ug/L	95
85) 1,3-dichloropropane	12.70	76	2518	0.93 ug/L	69
87) dibromochloromethane	12.96	129	1760	0.89 ug/L	94
88) 1,2-dibromoethane	13.12	107	1410	0.88 ug/L	88
89) 3,3-Dimethyl-1-Butanol	12.86	57	1695	8.57 ug/L	92
90) n-butyl ether	13.47	57	9967	1.05 ug/L	100
91) chlorobenzene	13.57	112	5187	0.99 ug/L	94
92) 1,1,1,2-tetrachloroethane	13.63	131	2026	0.98 ug/L	91
93) ethylbenzene	13.62	91	10621	1.10 ug/L	97
94) m,p-xylene	13.72	106	7366	2.12 ug/L	84
95) o-xylene	14.14	91	9046	1.07 ug/L	99
96) styrene	14.15	104	5532	0.95 ug/L	94
97) bromoform	14.42	173	1017	0.82 ug/L	83
99) isopropylbenzene	14.48	105	10121	1.08 ug/L	94
102) bromobenzene	14.87	156	2499	1.06 ug/L	94
104) 1,1,2,2-tetrachloroethane	14.79	83	2403	1.01 ug/L	95
105) trans-1,4-dichloro-2-buten	14.83	53	487	0.84 ug/L #	57
107) n-propylbenzene	14.88	91	12759	1.16 ug/L	96
109) 2-chlorotoluene	15.03	126	2471	1.09 ug/L	93
110) 4-chlorotoluene	15.13	91	8256	1.10 ug/L	99
111) 1,3,5-trimethylbenzene	15.02	105	8921	1.10 ug/L	99
112) tert-butylbenzene	15.37	119	6901	1.09 ug/L	95
113) pentachloroethane	15.46	167	1335	0.90 ug/L	94
114) 1,2,4-trimethylbenzene	15.42	105	8559	1.03 ug/L	90
115) sec-butylbenzene	15.58	105	11120	1.06 ug/L	97
116) 1,3-dichlorobenzene	15.78	146	4862	1.02 ug/L	93
117) p-isopropyltoluene	15.70	119	9219	1.08 ug/L	93
118) 1,4-dichlorobenzene	15.86	146	4766	1.00 ug/L	91
119) 1,2-dichlorobenzene	16.25	146	4368	0.96 ug/L	96
120) n-butylbenzene	16.12	92	5308	1.09 ug/L	86
122) 1,2-dibromo-3-chloropropan	17.04	157	332	0.80 ug/L #	23
123) 1,3,5-Trichlorobenzene	17.21	180	4109	1.00 ug/L #	95
124) 1,2,4-trichlorobenzene	17.84	180	2964	0.88 ug/L	98
126) hexachlorobutadiene	17.94	225	2497	1.10 ug/L	90
127) naphthalene	18.12	128	5345	0.87 ug/L	79
128) 1,2,3-trichlorobenzene	18.37	180	2615	0.87 ug/L	91
129) hexachloroethane	16.50	119	2210	1.19 ug/L	75
130) Benzyl chloride	15.98	91	4946	1.02 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158704.D
Acq On : 8 Nov 2015 1:06 pm
Operator : prashans
Sample : IC6930-1
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 11:14:32 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Nov 09 11:56:05 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/10/15 11:33

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158705.D
Acq On : 8 Nov 2015 1:34 pm
Operator : prashans
Sample : IC6930-2
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 09 16:08:07 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.27	65	99586	500.00	ug/L	0.00
4) pentafluorobenzene	9.48	168	264601	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.40	114	355723	50.00	ug/L	-0.01
83) chlorobenzene-d5	13.54	117	275837	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	15.83	152	133491	50.00	ug/L	-0.01

System Monitoring Compounds

45) dibromofluoromethane (s)	9.54	113	114508	51.61	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 103.22%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	113775	44.30	ug/L	-0.01
Spiked Amount 50.000	Range 68 - 124		Recovery = 88.60%			
75) toluene-d8 (s)	12.03	98	402534	46.75	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 93.50%			
100) 4-bromofluorobenzene (s)	14.68	95	148518	56.57	ug/L	-0.01
Spiked Amount 50.000	Range 72 - 130		Recovery = 113.14%			

Target Compounds

						Qvalue
2) 1,4-dioxane	11.13	88	935	49.35	ug/L	80
3) tertiary butyl alcohol	7.39	59	2642	10.43	ug/L	43
6) chlorodifluoromethane	3.93	51	4626	2.05	ug/L #	64
7) dichlorodifluoromethane	3.91	85	5693	2.37	ug/L	95
8) chloromethane	4.20	50	8227	2.14	ug/L	95
9) vinyl chloride	4.49	62	5803	2.14	ug/L	90
11) bromomethane	5.11	94	4355	2.00	ug/L	72
12) chloroethane	5.28	64	2727	1.95	ug/L	89
14) trichlorofluoromethane	5.77	101	6431m	1.89	ug/L	
15) ethyl ether	6.14	74	2455	2.22	ug/L #	69
16) 2-chloropropane	6.35	63	1786	2.01	ug/L #	40
17) acrolein	6.42	56	437090	960.06	ug/L	98
18) 1,1-dichloroethene	6.57	61	7216	2.19	ug/L	97
20) allyl chloride	7.10	76	2491	2.35	ug/L #	25
22) iodomethane	6.87	142	8022	2.18	ug/L	89
23) carbon disulfide	6.98	76	16538	2.34	ug/L	93
25) methylene chloride	7.30	49	8958	2.13	ug/L	97
26) methyl acetate	7.10	43	3026	2.17	ug/L	83
27) methyl tert butyl ether	7.62	73	15131	2.13	ug/L	98
28) trans-1,2-dichloroethene	7.66	61	7401	2.25	ug/L	93
29) di-isopropyl ether	8.20	45	13710	1.70	ug/L	89
30) ethyl tert-butyl ether	8.66	59	12917	1.66	ug/L	92
32) 1,1-dichloroethane	8.24	63	9199	2.21	ug/L	96
33) chloroprene	8.33	53	4843	1.74	ug/L	96
34) acrylonitrile	7.64	53	7501	10.60	ug/L	92
37) 2,2-dichloropropane	8.97	77	7906	2.10	ug/L	96
38) cis-1,2-dichloroethene	8.97	98	3479	2.40	ug/L	93
39) propionitrile	9.06	54	5498	19.59	ug/L	62
40) bromochloromethane	9.28	130	3220	2.20	ug/L	86
42) chloroform	9.34	83	8987	2.22	ug/L	97
43) tert-Butyl Formate	9.37	59	3123	1.55	ug/L	96
47) freon 113	6.55	151	2106	1.67	ug/L #	63
48) methacrylonitrile	9.23	67	1492	2.23	ug/L #	70

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158705.D
Acq On : 8 Nov 2015 1:34 pm
Operator : prashans
Sample : IC6930-2
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 09 16:08:07 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
49) 1,1,1-trichloroethane	9.59	97	7348	2.18 ug/L	96
50) Cyclohexane	9.66	84	7526	2.59 ug/L	84
51) 2,2,4-trimethylpentane	10.01	57	13792	1.84 ug/L	94
52) tert-amyl methyl ether	10.05	73	12122	1.62 ug/L	95
54) epichlorohydrin	11.66	57	1698	9.21 ug/L	85
55) n-butyl alcohol	10.54	56	7146	113.36 ug/L	94
56) carbon tetrachloride	9.79	117	6364	2.02 ug/L	94
57) 1,1-dichloropropene	9.76	75	6479	2.24 ug/L	93
58) hexane	7.95	57	4220	1.57 ug/L	95
60) benzene	10.02	78	21071	2.09 ug/L	98
61) heptane	10.18	57	2585	1.65 ug/L	93
63) 1,2-dichloroethane	10.05	62	5975	1.70 ug/L	98
64) trichloroethene	10.75	95	5035	2.36 ug/L	99
67) 2-chloroethyl vinyl ether	11.53	63	8929	7.29 ug/L	94
68) methyl methacrylate	11.01	69	2606	2.14 ug/L #	83
69) 1,2-dichloropropane	11.01	63	5320	2.24 ug/L	97
70) methylcyclohexane	10.94	83	6032	1.79 ug/L	97
72) dibromomethane	11.17	93	2790	2.05 ug/L	90
73) bromodichloromethane	11.30	83	6564	1.99 ug/L	94
74) cis-1,3-dichloropropene	11.75	75	7963	2.08 ug/L	91
76) 4-methyl-2-pentanone	11.84	58	1438	1.93 ug/L #	75
77) toluene	12.11	91	20387	2.35 ug/L	99
78) 3-methyl-1-butanol	11.87	70	2455	44.55 ug/L	94
79) trans-1,3-dichloropropene	12.31	75	6858	1.97 ug/L	90
80) ethyl methacrylate	12.30	69	4944	2.07 ug/L	98
81) 1,1,2-trichloroethane	12.53	83	3392	2.25 ug/L	90
82) 2-hexanone	12.70	58	1257	2.08 ug/L #	57
84) tetrachloroethene	12.69	166	4444	2.21 ug/L	91
85) 1,3-dichloropropane	12.71	76	6165	2.22 ug/L	92
86) butyl acetate	12.76	56	2126	1.95 ug/L #	78
87) dibromochloromethane	12.96	129	4391	2.01 ug/L	93
88) 1,2-dibromoethane	13.12	107	3778	2.32 ug/L	87
89) 3,3-Dimethyl-1-Butanol	12.86	57	4949	26.86 ug/L	92
90) n-butyl ether	13.47	57	21434	2.46 ug/L	99
91) chlorobenzene	13.57	112	11853	2.18 ug/L	97
92) 1,1,1,2-tetrachloroethane	13.63	131	4641	2.10 ug/L	97
93) ethylbenzene	13.62	91	21636	2.39 ug/L	96
94) m,p-xylene	13.72	106	15462	4.71 ug/L	95
95) o-xylene	14.14	91	18447	2.34 ug/L	95
96) styrene	14.15	104	13310	2.27 ug/L	95
97) bromoform	14.42	173	2752	1.81 ug/L	95
99) isopropylbenzene	14.48	105	20727	2.60 ug/L	98
102) bromobenzene	14.88	156	5566	2.32 ug/L	91
103) cyclohexanone	14.65	55	6128	37.33 ug/L	93
104) 1,1,2,2-tetrachloroethane	14.79	83	5353	2.51 ug/L	94
105) trans-1,4-dichloro-2-buten	14.83	53	1290	2.08 ug/L	92
106) 1,2,3-trichloropropane	14.86	110	1174	2.39 ug/L	94
107) n-propylbenzene	14.88	91	25970	2.67 ug/L	95
109) 2-chlorotoluene	15.03	126	5011	2.42 ug/L	98
110) 4-chlorotoluene	15.13	91	17340	2.69 ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158705.D
Acq On : 8 Nov 2015 1:34 pm
Operator : prashans
Sample : IC6930-2
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 09 16:08:07 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
111) 1,3,5-trimethylbenzene	15.03	105	18616	2.57	ug/L		96
112) tert-butylbenzene	15.37	119	14416	2.56	ug/L		95
113) pentachloroethane	15.46	167	3218	2.23	ug/L		96
114) 1,2,4-trimethylbenzene	15.42	105	18073	2.45	ug/L		81
115) sec-butylbenzene	15.59	105	23134	2.57	ug/L		99
116) 1,3-dichlorobenzene	15.78	146	10875	2.32	ug/L		98
117) p-isopropyltoluene	15.70	119	19313	2.47	ug/L		96
118) 1,4-dichlorobenzene	15.86	146	10794	2.32	ug/L		92
119) 1,2-dichlorobenzene	16.25	146	10219	2.36	ug/L		97
120) n-butylbenzene	16.12	92	10882	2.67	ug/L		97
122) 1,2-dibromo-3-chloropropan	17.03	157	857	1.95	ug/L	#	61
123) 1,3,5-Trichlorobenzene	17.21	180	8980	2.25	ug/L		88
124) 1,2,4-trichlorobenzene	17.84	180	7382	2.23	ug/L		97
126) hexachlorobutadiene	17.95	225	5098	2.26	ug/L		94
127) naphthalene	18.12	128	13075	2.21	ug/L		99
128) 1,2,3-trichlorobenzene	18.36	180	6296	2.16	ug/L		98
129) hexachloroethane	16.50	119	4178	2.44	ug/L		93
130) Benzyl chloride	15.98	91	11183	2.54	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

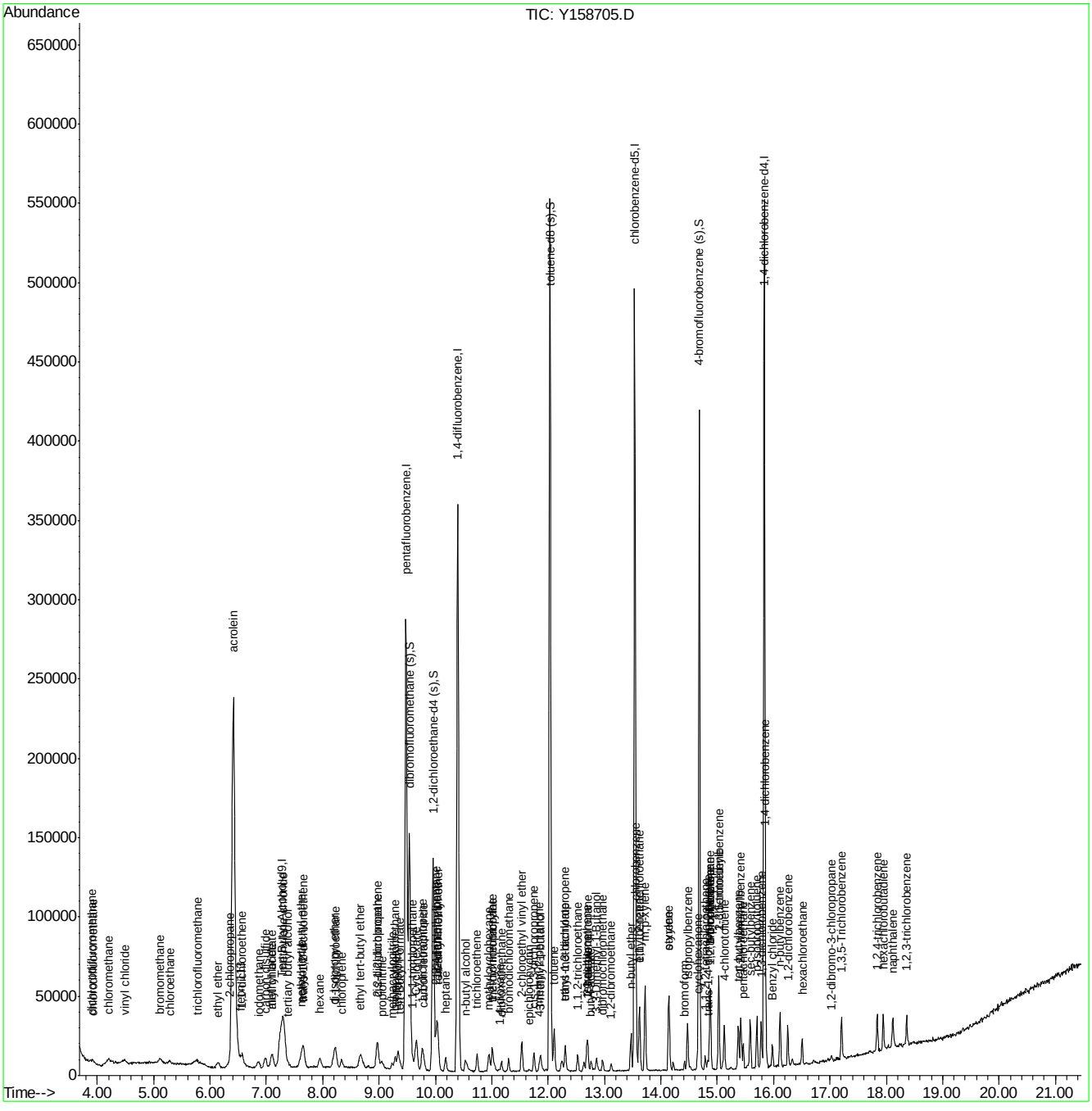
7.7.28

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158705.D
Acq On : 8 Nov 2015 1:34 pm
Operator : prashans
Sample : IC6930-2
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 09 16:08:07 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Manual Integration Approval Summary

Sample Number:	VY6930-IC6930	**Method:**	SW846 8260C
Lab FileID:	Y158705.D	**Analyst approved:**	11/10/15 11:09 Robert Szot
Injection Time:	11/08/15 13:34	**Supervisor approved:**	11/10/15 11:33 Jessica Reitan-Chu

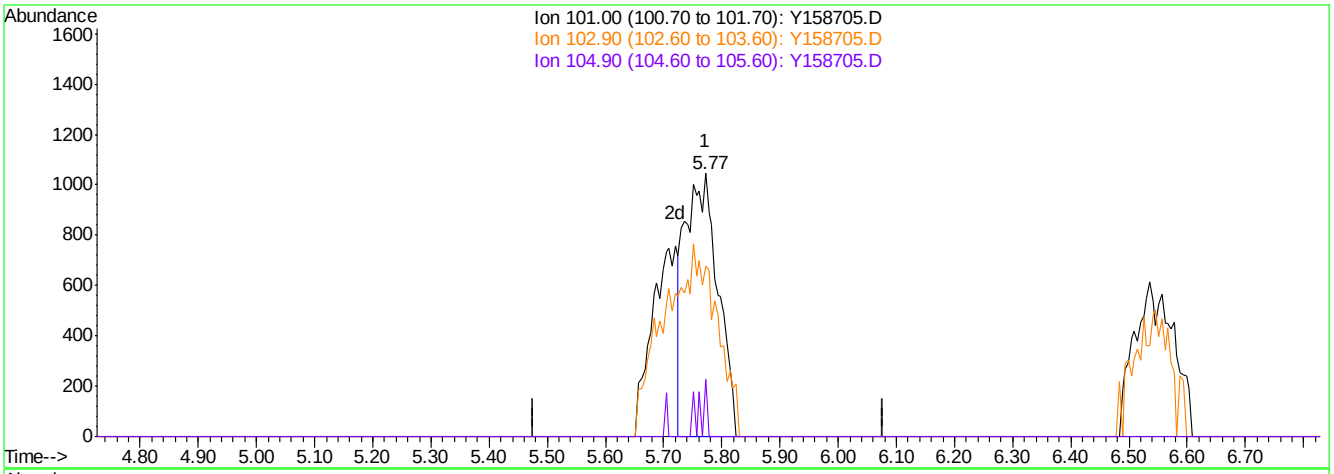
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		5.77	Poor instrument integration

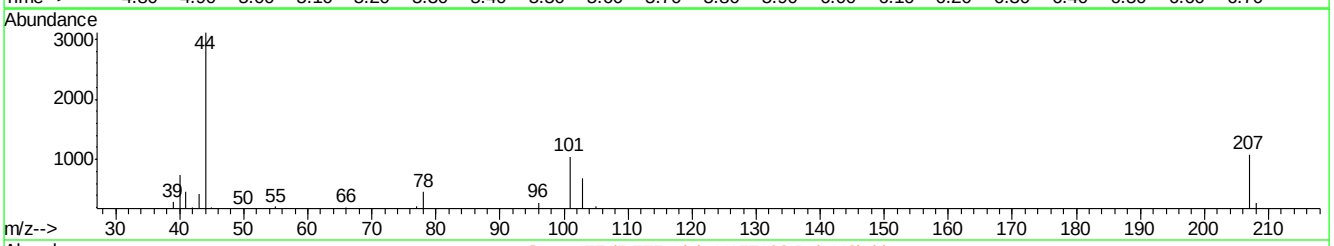
Quantitation Report (Qedit)

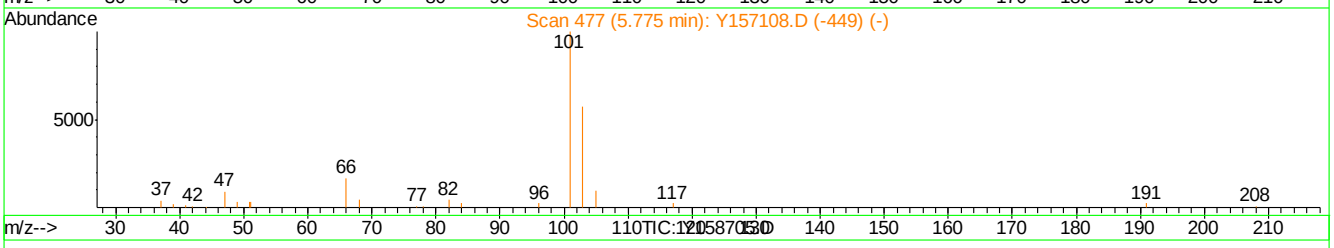
Data File : C:\MSDChem\1\DATA\Y158705.D Vial: 5
Acq On : 8 Nov 2015 1:34 pm Operator: prashans
Sample : IC6930-2 Inst : MSY
Misc : MS94020,VY6930,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Nov 09 10:15:31 2015 Results File: MYS6930.RES

Method : C:\MSDCHEM\1\METHODS\MYS6930.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Mon Nov 09 10:21:52 2015
Response via : Multiple Level Calibration







(14) trichlorofluoromethane

5.77min 1.20ug/L

response 4074

Ion	Exp%	Act%
101.00	100	100
102.90	65.70	64.91
104.90	11.80	21.61
0.00	0.00	0.00

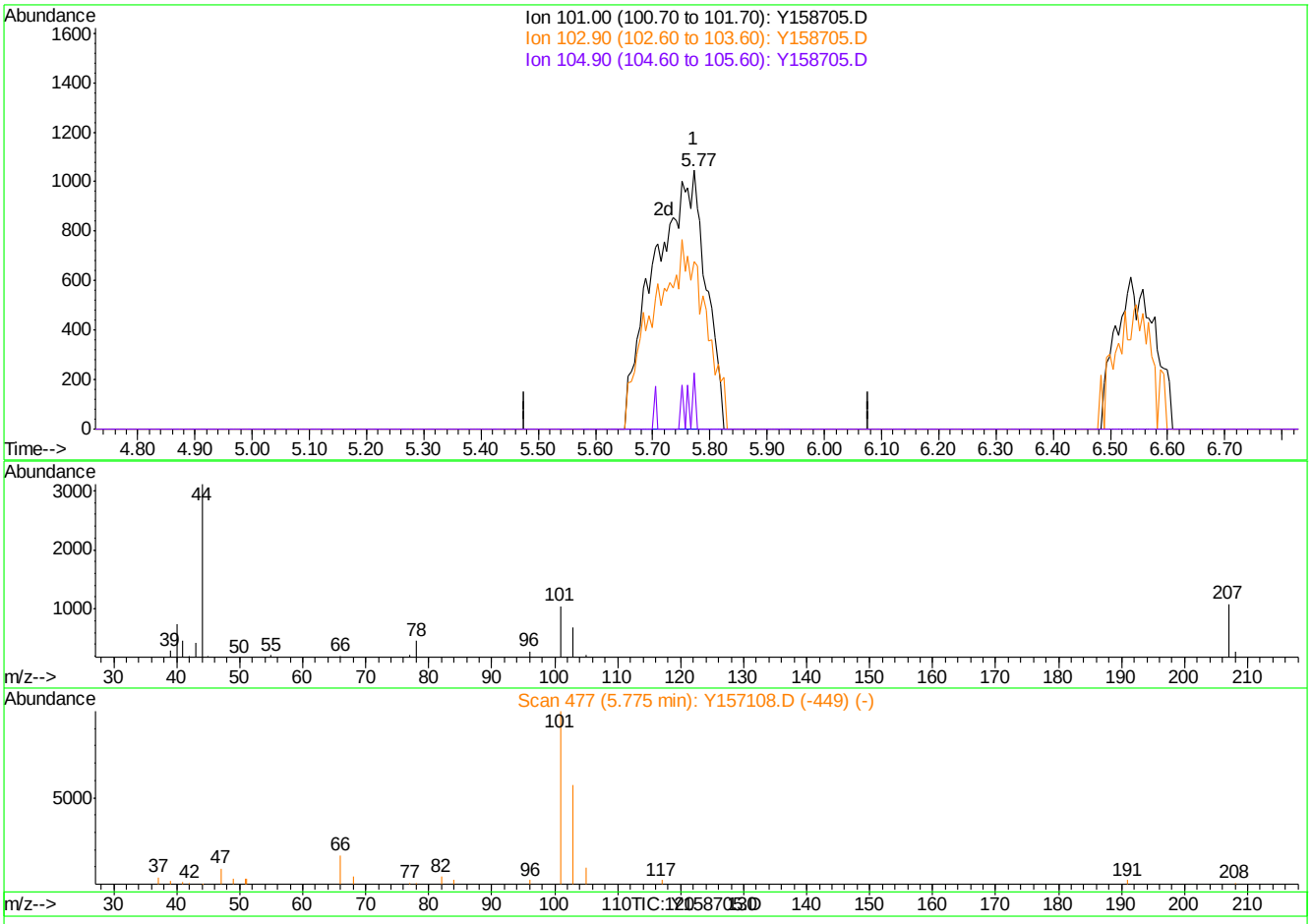
Y158705.D MYS6930.M Mon Nov 09 10:24:16 2015 RPT1

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\DATA\Y158705.D Vial: 5
Acq On : 8 Nov 2015 1:34 pm Operator: prashans
Sample : IC6930-2 Inst : MSY
Misc : MS94020,VY6930,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Nov 09 10:15:31 2015 Results File: MYS6930.RES

Method : C:\MSDCHEM\1\METHODS\MYS6930.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Mon Nov 09 10:21:52 2015
Response via : Multiple Level Calibration



(14) trichlorofluoromethane

5.77min 1.89ug/L m

response 6431

Ion	Exp%	Act%
101.00	100	100
102.90	65.70	64.91
104.90	11.80	21.61
0.00	0.00	0.00

Y158705.D MYS6930.M Mon Nov 09 10:24:21 2015 RPT1

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158706.D
Acq On : 8 Nov 2015 2:02 pm
Operator : prashans
Sample : IC6930-4
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 09 16:08:37 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Nov 09 10:20:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.27	65	94702	500.00	ug/L	0.00
4) pentafluorobenzene	9.47	168	262722	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.40	114	351893	50.00	ug/L	0.00
83) chlorobenzene-d5	13.54	117	271602	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	15.83	152	131504	50.00	ug/L	0.00

System Monitoring Compounds						
45) dibromofluoromethane (s)	9.54	113	112048	49.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 98.42%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	111032	49.40	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 98.80%			
75) toluene-d8 (s)	12.03	98	399173	50.24	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 100.48%			
100) 4-bromofluorobenzene (s)	14.68	95	144916	49.69	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 99.38%			

Target Compounds						Qvalue
2) 1,4-dioxane	11.12	88	2100	100.56	ug/L	95
3) tertiary butyl alcohol	7.40	59	5428	25.09	ug/L	80
6) chlorodifluoromethane	3.91	51	9380	3.82	ug/L #	93
7) dichlorodifluoromethane	3.89	85	13417	4.34	ug/L	90
8) chloromethane	4.20	50	14683	3.48	ug/L	99
9) vinyl chloride	4.47	62	12949	3.95	ug/L	98
11) bromomethane	5.11	94	8117	4.56	ug/L	83
12) chloroethane	5.29	64	5898	4.13	ug/L	91
14) trichlorofluoromethane	5.77	101	13456	5.37	ug/L	95
15) ethyl ether	6.14	74	4352	4.46	ug/L	92
16) 2-chloropropane	6.35	63	3904	4.34	ug/L	76
17) acrolein	6.43	56	20487	39.16	ug/L	97
18) 1,1-dichloroethene	6.56	61	12950	3.99	ug/L	95
20) allyl chloride	7.10	76	4822	4.54	ug/L	83
21) acetonitrile	7.10	41	25368	41.17	ug/L	95
22) iodomethane	6.86	142	15263	4.06	ug/L	99
23) carbon disulfide	6.99	76	31417	4.10	ug/L	92
24) 1-chloropropane	7.33	42	22674	2.83	ug/L #	97
25) methylene chloride	7.30	49	14788	3.77	ug/L	96
26) methyl acetate	7.08	43	5840	4.23	ug/L	89
27) methyl tert butyl ether	7.62	73	26236	3.93	ug/L	99
28) trans-1,2-dichloroethene	7.66	61	13267	4.02	ug/L	96
29) di-isopropyl ether	8.20	45	31680	4.26	ug/L	94
30) ethyl tert-butyl ether	8.66	59	29952	4.14	ug/L	95
32) 1,1-dichloroethane	8.24	63	16880	4.11	ug/L	93
33) chloroprene	8.33	53	11520	4.11	ug/L	95
34) acrylonitrile	7.63	53	13980	21.22	ug/L	93
35) vinyl acetate	8.22	86	1129	3.57	ug/L	50
36) ethyl acetate	8.95	45	973	4.21	ug/L #	31
37) 2,2-dichloropropane	8.97	77	14715	4.05	ug/L	97
38) cis-1,2-dichloroethene	8.97	98	6531	4.24	ug/L	95
39) propionitrile	9.06	54	10323	42.63	ug/L	87
40) bromochloromethane	9.29	130	5719	4.07	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158706.D
Acq On : 8 Nov 2015 2:02 pm
Operator : prashans
Sample : IC6930-4
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 09 16:08:37 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Nov 09 10:20:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) tetrahydrofuran	9.32	72	756	3.44 ug/L #	68
42) chloroform	9.34	83	15653	3.86 ug/L	99
43) tert-Butyl Formate	9.36	59	7508	4.79 ug/L	92
44) isobutyl alcohol	9.77	41	3300	43.85 ug/L	88
47) freon 113	6.56	151	5667	5.11 ug/L	94
48) methacrylonitrile	9.23	67	2653	3.96 ug/L	90
49) 1,1,1-trichloroethane	9.58	97	13828	4.39 ug/L	98
50) Cyclohexane	9.66	84	13608	4.08 ug/L	94
51) 2,2,4-trimethylpentane	10.01	57	32452	4.09 ug/L	98
52) tert-amyl methyl ether	10.05	73	29457	4.05 ug/L	97
54) epichlorohydrin	11.66	57	3645	22.84 ug/L	94
55) n-butyl alcohol	10.54	56	12265	211.54 ug/L	93
56) carbon tetrachloride	9.79	117	11772	4.50 ug/L	98
57) 1,1-dichloropropene	9.76	75	11593	4.16 ug/L	94
58) hexane	7.95	57	9670	4.44 ug/L	95
60) benzene	10.02	78	36357	3.75 ug/L	97
61) heptane	10.18	57	6201	4.22 ug/L	97
62) isopropyl acetate	9.96	61	4829	3.49 ug/L	68
63) 1,2-dichloroethane	10.05	62	10894	4.12 ug/L	99
64) trichloroethene	10.74	95	9093	4.10 ug/L	96
66) 2-nitropropane	11.53	41	2861	4.42 ug/L #	63
67) 2-chloroethyl vinyl ether	11.53	63	20917	21.20 ug/L	96
68) methyl methacrylate	11.01	69	4529	4.15 ug/L	93
69) 1,2-dichloropropane	11.01	63	9297	4.32 ug/L	97
70) methylcyclohexane	10.95	83	14278	4.24 ug/L	95
72) dibromomethane	11.17	93	5351	4.30 ug/L	91
73) bromodichloromethane	11.30	83	12207	4.18 ug/L	99
74) cis-1,3-dichloropropene	11.75	75	14197	4.06 ug/L	97
76) 4-methyl-2-pentanone	11.85	58	2683	2.09 ug/L	92
77) toluene	12.11	91	35995	3.77 ug/L	98
78) 3-methyl-1-butanol	11.87	70	4071	81.87 ug/L	89
79) trans-1,3-dichloropropene	12.30	75	12251	4.21 ug/L	90
80) ethyl methacrylate	12.29	69	9171	4.12 ug/L	95
81) 1,1,2-trichloroethane	12.52	83	5963	4.19 ug/L	98
82) 2-hexanone	12.69	58	2256	4.22 ug/L	93
84) tetrachloroethene	12.68	166	8132	4.19 ug/L	95
85) 1,3-dichloropropane	12.70	76	11292	4.16 ug/L	99
86) butyl acetate	12.76	56	4773	4.98 ug/L	94
87) dibromochloromethane	12.97	129	7892	4.25 ug/L	98
88) 1,2-dibromoethane	13.12	107	6828	4.25 ug/L	99
89) 3,3-Dimethyl-1-Butanol	12.86	57	7830	38.67 ug/L	96
90) n-butyl ether	13.47	57	39393	4.31 ug/L	100
91) chlorobenzene	13.57	112	21141	4.00 ug/L	95
92) 1,1,1,2-tetrachloroethane	13.63	131	8735	4.19 ug/L	98
93) ethylbenzene	13.62	91	38246	3.94 ug/L	97
94) m,p-xylene	13.72	106	27894	7.97 ug/L	91
95) o-xylene	14.14	91	33234	3.92 ug/L	97
96) styrene	14.15	104	23084	3.96 ug/L	98
97) bromoform	14.42	173	4955	3.97 ug/L	97
99) isopropylbenzene	14.48	105	37850	3.98 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158706.D
Acq On : 8 Nov 2015 2:02 pm
Operator : prashans
Sample : IC6930-4
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 09 16:08:37 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Nov 09 10:20:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
102) bromobenzene	14.87	156	9521	3.99 ug/L	92
103) cyclohexanone	14.65	55	11130	39.54 ug/L	95
104) 1,1,2,2-tetrachloroethane	14.79	83	9997	4.15 ug/L	96
105) trans-1,4-dichloro-2-buten	14.83	53	2475	4.21 ug/L	84
106) 1,2,3-trichloropropane	14.86	110	2161	4.32 ug/L	90
107) n-propylbenzene	14.88	91	45975	4.18 ug/L	97
109) 2-chlorotoluene	15.03	126	9528	4.17 ug/L #	85
110) 4-chlorotoluene	15.13	91	29894	4.11 ug/L	98
111) 1,3,5-trimethylbenzene	15.02	105	33097	4.19 ug/L	97
112) tert-butylbenzene	15.37	119	25751	4.19 ug/L	96
113) pentachloroethane	15.46	167	6041	4.03 ug/L	97
114) 1,2,4-trimethylbenzene	15.42	105	33373	3.97 ug/L	93
115) sec-butylbenzene	15.58	105	42641	4.03 ug/L	98
116) 1,3-dichlorobenzene	15.78	146	19594	4.05 ug/L	95
117) p-isopropyltoluene	15.70	119	34815	3.92 ug/L	98
118) 1,4-dichlorobenzene	15.86	146	19305	4.01 ug/L	98
119) 1,2-dichlorobenzene	16.25	146	18524	4.04 ug/L	97
120) n-butylbenzene	16.12	92	20671	4.21 ug/L	93
122) 1,2-dibromo-3-chloropropan	17.03	157	1672	3.99 ug/L	93
123) 1,3,5-Trichlorobenzene	17.21	180	16432	3.97 ug/L	97
124) 1,2,4-trichlorobenzene	17.84	180	13172	3.85 ug/L	91
126) hexachlorobutadiene	17.95	225	9176	3.99 ug/L	98
127) naphthalene	18.12	128	24297	3.95 ug/L	97
128) 1,2,3-trichlorobenzene	18.36	180	11799	3.87 ug/L	91
129) hexachloroethane	16.50	119	7343	3.74 ug/L	95
130) Benzyl chloride	15.98	91	19843	3.85 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

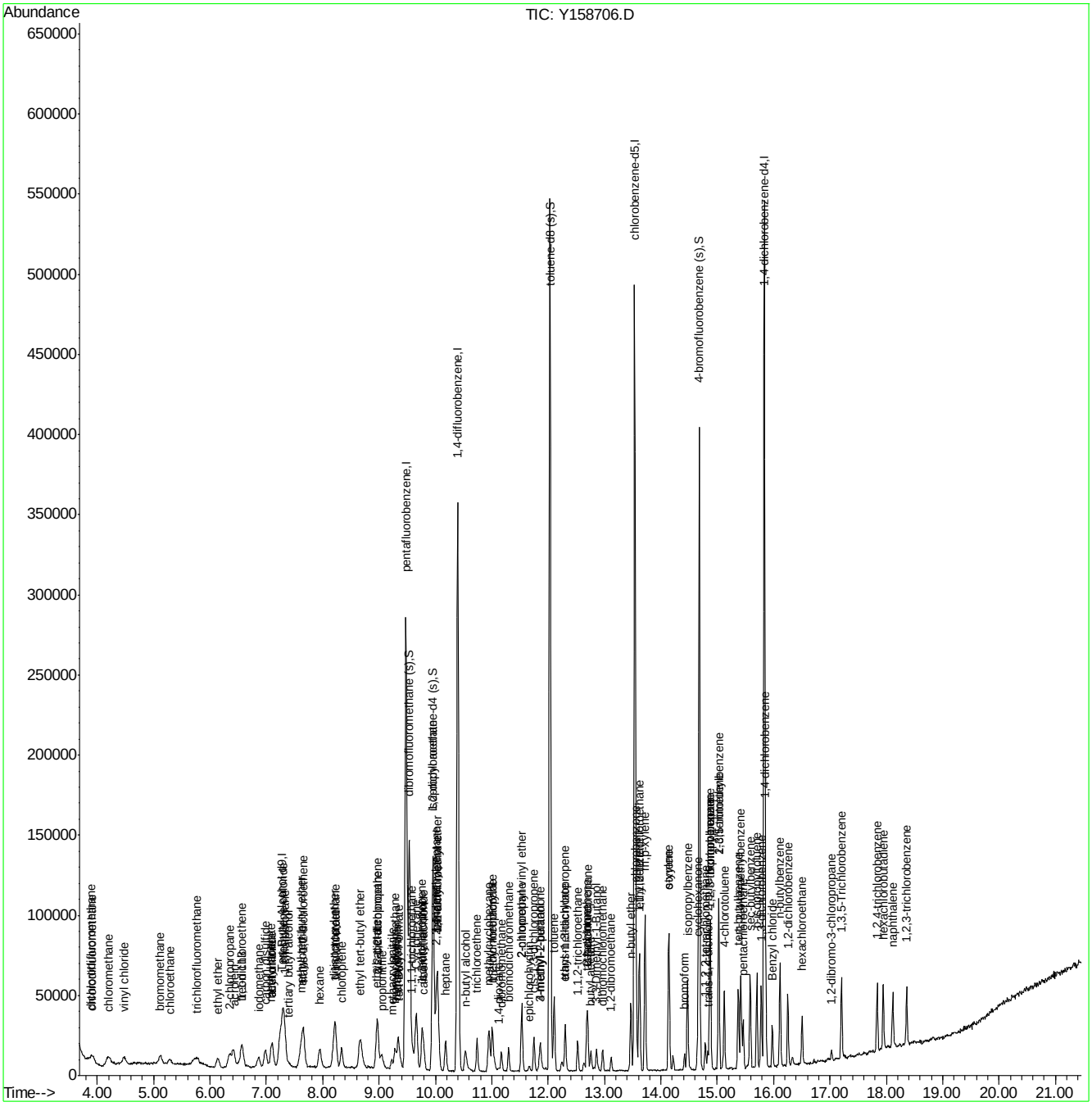
7.7.29

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158706.D
Acq On : 8 Nov 2015 2:02 pm
Operator : prashans
Sample : IC6930-4
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 09 16:08:37 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Mon Nov 09 10:20:58 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158707.D
Acq On : 8 Nov 2015 2:30 pm
Operator : prashans
Sample : IC6930-8
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 09 16:08:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.27	65	96917	500.00	ug/L	0.00
4) pentafluorobenzene	9.48	168	266383	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.40	114	364113	50.00	ug/L	-0.01
83) chlorobenzene-d5	13.53	117	281198	50.00	ug/L	-0.01
98) 1,4-dichlorobenzene-d4	15.84	152	134924	50.00	ug/L	-0.01

System Monitoring Compounds						
45) dibromofluoromethane (s)	9.54	113	116633	52.21	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 104.42%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	114345	44.22	ug/L	-0.01
Spiked Amount 50.000	Range 68 - 124		Recovery = 88.44%			
75) toluene-d8 (s)	12.03	98	411387	46.67	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 93.34%			
100) 4-bromofluorobenzene (s)	14.68	95	150476	56.70	ug/L	-0.01
Spiked Amount 50.000	Range 72 - 130		Recovery = 113.40%			

Target Compounds						Qvalue
2) 1,4-dioxane	11.12	88	4117	223.27	ug/L	95
3) tertiary butyl alcohol	7.40	59	9974	40.46	ug/L	80
6) chlorodifluoromethane	3.92	51	20148	8.88	ug/L #	93
7) dichlorodifluoromethane	3.90	85	25777	10.66	ug/L	98
8) chloromethane	4.20	50	29123	7.52	ug/L	95
9) vinyl chloride	4.48	62	25118	9.22	ug/L	100
11) bromomethane	5.12	94	16770	7.66	ug/L	92
12) chloroethane	5.29	64	12146	8.63	ug/L	88
14) trichlorofluoromethane	5.76	101	25190	7.35	ug/L	93
15) ethyl ether	6.15	74	8587	7.70	ug/L	96
16) 2-chloropropane	6.35	63	7593	8.51	ug/L	80
17) acrolein	6.42	56	35762	78.02	ug/L	95
18) 1,1-dichloroethene	6.58	61	25293	7.63	ug/L	97
19) acetone	6.64	58	1565	9.44	ug/L #	47
20) allyl chloride	7.11	76	9183	8.62	ug/L	66
21) acetonitrile	7.11	41	45196	70.36	ug/L	94
22) iodomethane	6.87	142	29432	7.95	ug/L	99
23) carbon disulfide	6.99	76	57998	8.15	ug/L	94
24) 1-chloropropane	7.33	42	36861	4.17	ug/L	97
25) methylene chloride	7.30	49	28331	6.69	ug/L	95
26) methyl acetate	7.08	43	10059	7.16	ug/L	85
27) methyl tert butyl ether	7.61	73	50035	6.98	ug/L	96
28) trans-1,2-dichloroethene	7.67	61	26186	7.92	ug/L	97
29) di-isopropyl ether	8.20	45	60560	7.46	ug/L	91
30) ethyl tert-butyl ether	8.66	59	57569	7.36	ug/L	99
31) 2-butanone	8.94	72	1518	7.61	ug/L #	32
32) 1,1-dichloroethane	8.24	63	32161	7.67	ug/L	95
33) chloroprene	8.33	53	22109	7.90	ug/L	97
34) acrylonitrile	7.63	53	27039	37.95	ug/L	92
35) vinyl acetate	8.23	86	2454	7.95	ug/L	29
36) ethyl acetate	8.95	45	2115	8.50	ug/L #	1
37) 2,2-dichloropropane	8.98	77	26758	7.05	ug/L	93
38) cis-1,2-dichloroethene	8.97	98	12340	8.47	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158707.D
Acq On : 8 Nov 2015 2:30 pm
Operator : prashans
Sample : IC6930-8
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 09 16:08:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) propionitrile	9.06	54	20599	72.89	ug/L		83
40) bromochloromethane	9.29	130	11775	7.98	ug/L		89
41) tetrahydrofuran	9.32	72	1679	7.01	ug/L	#	80
42) chloroform	9.34	83	31552	7.76	ug/L		92
43) tert-Butyl Formate	9.37	59	13880	6.85	ug/L		93
44) isobutyl alcohol	9.77	41	6311	78.70	ug/L	#	94
47) freon 113	6.55	151	10780	8.47	ug/L		98
48) methacrylonitrile	9.23	67	5506	8.16	ug/L		92
49) 1,1,1-trichloroethane	9.60	97	25940	7.66	ug/L		99
50) Cyclohexane	9.65	84	25608	8.76	ug/L		93
51) 2,2,4-trimethylpentane	10.01	57	60894	8.05	ug/L		99
52) tert-amyl methyl ether	10.05	73	53828	7.16	ug/L		98
54) epichlorohydrin	11.66	57	6872	36.41	ug/L		96
55) n-butyl alcohol	10.53	56	23110	358.17	ug/L		94
56) carbon tetrachloride	9.79	117	21936	6.79	ug/L		99
57) 1,1-dichloropropene	9.76	75	22285	7.54	ug/L		99
58) hexane	7.95	57	17661	6.42	ug/L		94
60) benzene	10.03	78	71164	6.90	ug/L		97
61) heptane	10.18	57	11392	7.10	ug/L		97
62) isopropyl acetate	9.95	61	7695	5.62	ug/L		87
63) 1,2-dichloroethane	10.05	62	21780	6.05	ug/L		98
64) trichloroethene	10.74	95	17137	7.84	ug/L		96
66) 2-nitropropane	11.52	41	5089	5.21	ug/L	#	1
67) 2-chloroethyl vinyl ether	11.53	63	40019	31.91	ug/L		95
68) methyl methacrylate	11.01	69	9298	7.46	ug/L		98
69) 1,2-dichloropropane	11.01	63	18550	7.65	ug/L		97
70) methylcyclohexane	10.96	83	26233	7.61	ug/L		98
72) dibromomethane	11.17	93	10591	7.59	ug/L		90
73) bromodichloromethane	11.30	83	23852	7.06	ug/L		96
74) cis-1,3-dichloropropene	11.75	75	28066	7.16	ug/L		97
76) 4-methyl-2-pentanone	11.84	58	5443	7.13	ug/L		91
77) toluene	12.11	91	69567	7.84	ug/L		99
78) 3-methyl-1-butanol	11.87	70	8192	145.22	ug/L		92
79) trans-1,3-dichloropropene	12.31	75	23970	6.73	ug/L		97
80) ethyl methacrylate	12.29	69	18024	7.38	ug/L		99
81) 1,1,2-trichloroethane	12.52	83	11393	7.39	ug/L		87
82) 2-hexanone	12.69	58	4519	7.31	ug/L		92
84) tetrachloroethene	12.69	166	15459	7.55	ug/L		95
85) 1,3-dichloropropane	12.70	76	22043	7.77	ug/L		97
86) butyl acetate	12.76	56	8615	7.75	ug/L		97
87) dibromochloromethane	12.96	129	15425	6.93	ug/L		97
88) 1,2-dibromoethane	13.12	107	13066	7.88	ug/L		93
89) 3,3-Dimethyl-1-Butanol	12.86	57	14983	79.77	ug/L		96
90) n-butyl ether	13.47	57	74661	8.39	ug/L		99
91) chlorobenzene	13.57	112	41173	7.42	ug/L		92
92) 1,1,1,2-tetrachloroethane	13.63	131	17070	7.57	ug/L		98
93) ethylbenzene	13.62	91	74801	8.12	ug/L		99
94) m,p-xylene	13.72	106	54902	16.41	ug/L		98
95) o-xylene	14.14	91	64315	8.00	ug/L		91
96) styrene	14.15	104	46499	7.78	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158707.D
Acq On : 8 Nov 2015 2:30 pm
Operator : prashans
Sample : IC6930-8
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 09 16:08:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
97) bromoform	14.42	173	10178	6.56 ug/L	95
99) isopropylbenzene	14.48	105	71646	8.90 ug/L	98
102) bromobenzene	14.87	156	18667	7.70 ug/L	86
103) cyclohexanone	14.65	55	18341	110.55 ug/L	96
104) 1,1,2,2-tetrachloroethane	14.79	83	19178	8.88 ug/L	99
105) trans-1,4-dichloro-2-buten	14.83	53	4683	7.47 ug/L	88
106) 1,2,3-trichloropropane	14.87	110	4139	8.33 ug/L	89
107) n-propylbenzene	14.88	91	87889	8.94 ug/L	97
109) 2-chlorotoluene	15.03	126	18124	8.67 ug/L	96
110) 4-chlorotoluene	15.13	91	57979	8.90 ug/L	97
111) 1,3,5-trimethylbenzene	15.03	105	63157	8.63 ug/L	97
112) tert-butylbenzene	15.37	119	48735	8.56 ug/L	95
113) pentachloroethane	15.46	167	11463	7.87 ug/L	92
114) 1,2,4-trimethylbenzene	15.42	105	64328	8.62 ug/L	92
115) sec-butylbenzene	15.58	105	81225	8.93 ug/L	97
116) 1,3-dichlorobenzene	15.78	146	38061	8.02 ug/L	95
117) p-isopropyltoluene	15.70	119	65956	8.35 ug/L	97
118) 1,4-dichlorobenzene	15.86	146	37341	7.94 ug/L	96
119) 1,2-dichlorobenzene	16.25	146	35536	8.13 ug/L	97
120) n-butylbenzene	16.12	92	37750	9.17 ug/L	98
122) 1,2-dibromo-3-chloropropan	17.03	157	3307	7.46 ug/L	85
123) 1,3,5-Trichlorobenzene	17.21	180	31494	7.81 ug/L	99
124) 1,2,4-trichlorobenzene	17.84	180	26050	7.79 ug/L	95
126) hexachlorobutadiene	17.94	225	17175	7.53 ug/L	96
127) naphthalene	18.12	128	47309	7.92 ug/L	98
128) 1,2,3-trichlorobenzene	18.36	180	22300	7.58 ug/L	97
129) hexachloroethane	16.50	119	14356	8.30 ug/L	93
130) Benzyl chloride	15.98	91	37171	8.36 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

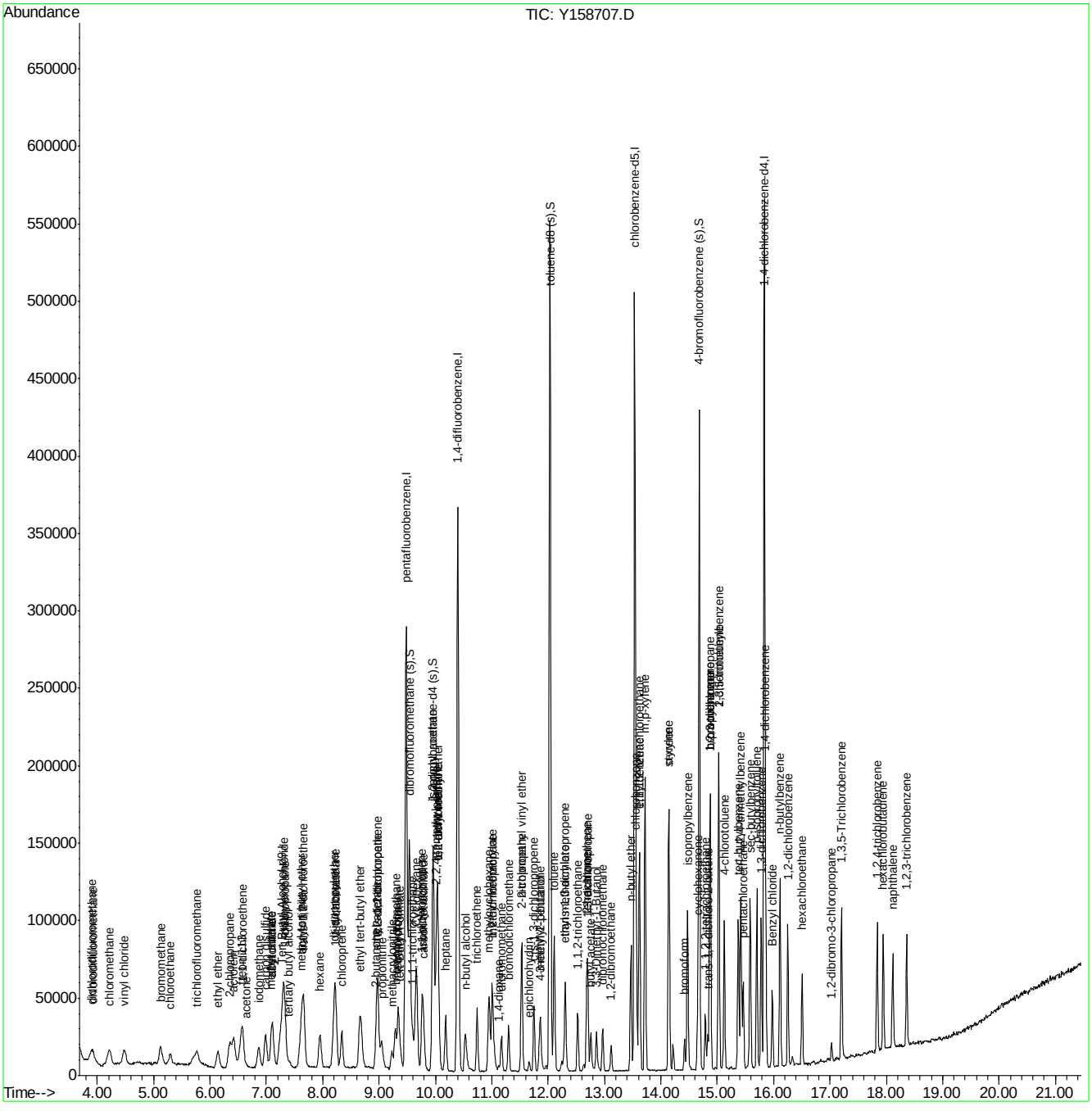
7.7.30

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158707.D
Acq On : 8 Nov 2015 2:30 pm
Operator : prashans
Sample : IC6930-8
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 09 16:08:52 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158708.D
Acq On : 8 Nov 2015 2:59 pm
Operator : prashans
Sample : IC6930-20
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 09 16:09:07 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.27	65	107701	500.00	ug/L	0.00
4) pentafluorobenzene	9.48	168	272093	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.40	114	371734	50.00	ug/L	-0.01
83) chlorobenzene-d5	13.53	117	286402	50.00	ug/L	-0.01
98) 1,4-dichlorobenzene-d4	15.84	152	139256	50.00	ug/L	-0.01

System Monitoring Compounds						
45) dibromofluoromethane (s)	9.54	113	118780	52.06	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 104.12%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	119527	45.26	ug/L	-0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 90.52%			
75) toluene-d8 (s)	12.03	98	417680	46.42	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 92.84%			
100) 4-bromofluorobenzene (s)	14.68	95	153878	56.18	ug/L	-0.01
Spiked Amount 50.000	Range 72 - 130		Recovery = 112.36%			

Target Compounds						Qvalue
2) 1,4-dioxane	11.12	88	12044	587.75	ug/L	94
3) tertiary butyl alcohol	7.40	59	27403	100.03	ug/L	99
6) chlorodifluoromethane	3.92	51	45432	19.61	ug/L	94
7) dichlorodifluoromethane	3.91	85	63009	25.52	ug/L	96
8) chloromethane	4.22	50	70530	17.82	ug/L	96
9) vinyl chloride	4.49	62	62662	22.52	ug/L	95
11) bromomethane	5.13	94	39823	17.80	ug/L	97
12) chloroethane	5.30	64	29975	20.85	ug/L	95
14) trichlorofluoromethane	5.76	101	64120	18.33	ug/L	99
15) ethyl ether	6.14	74	22339	19.60	ug/L	98
16) 2-chloropropane	6.36	63	18825	20.65	ug/L	79
17) acrolein	6.42	56	91710	195.89	ug/L	99
18) 1,1-dichloroethene	6.58	61	65121	19.22	ug/L	96
19) acetone	6.65	58	4168	24.61	ug/L	87
20) allyl chloride	7.11	76	23567	21.67	ug/L	70
21) acetonitrile	7.10	41	115029	175.32	ug/L	96
22) iodomethane	6.87	142	75873	20.07	ug/L	98
23) carbon disulfide	6.99	76	149928	20.63	ug/L	99
24) 1-chloropropane	7.33	42	83096	15.68	ug/L	99
25) methylene chloride	7.31	49	71550	16.54	ug/L	94
26) methyl acetate	7.09	43	27657	19.28	ug/L	98
27) methyl tert butyl ether	7.62	73	129962	17.75	ug/L	97
28) trans-1,2-dichloroethene	7.67	61	66035	19.55	ug/L	98
29) di-isopropyl ether	8.21	45	154758	18.67	ug/L	76
30) ethyl tert-butyl ether	8.66	59	150844	18.88	ug/L	98
31) 2-butanone	8.95	72	4642	22.78	ug/L	87
32) 1,1-dichloroethane	8.24	63	82117	19.18	ug/L	98
33) chloroprene	8.34	53	57951	20.27	ug/L	98
34) acrylonitrile	7.64	53	71497	98.24	ug/L	94
35) vinyl acetate	8.21	86	6823	21.64	ug/L	82
36) ethyl acetate	8.95	45	5260	20.70	ug/L #	13
37) 2,2-dichloropropane	8.97	77	69671	17.96	ug/L	96
38) cis-1,2-dichloroethene	8.97	98	32432	21.78	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158708.D
Acq On : 8 Nov 2015 2:59 pm
Operator : prashans
Sample : IC6930-20
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 09 16:09:07 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) propionitrile	9.05	54	56119	194.41 ug/L	62
40) bromochloromethane	9.29	130	29767	19.74 ug/L	98
41) tetrahydrofuran	9.32	72	5217	21.31 ug/L	87
42) chloroform	9.34	83	79667	19.18 ug/L	97
43) tert-Butyl Formate	9.37	59	37989	18.36 ug/L	96
44) isobutyl alcohol	9.77	41	17018	207.76 ug/L #	94
47) freon 113	6.54	151	28982	22.28 ug/L	88
48) methacrylonitrile	9.23	67	14979	21.74 ug/L	89
49) 1,1,1-trichloroethane	9.59	97	66747	19.30 ug/L	98
50) Cyclohexane	9.66	84	66789	22.38 ug/L	95
51) 2,2,4-trimethylpentane	10.01	57	161072	20.85 ug/L	98
52) tert-amyl methyl ether	10.05	73	137889	17.96 ug/L	99
54) epichlorohydrin	11.66	57	19595	101.69 ug/L	98
55) n-butyl alcohol	10.53	56	68560	1040.78 ug/L	99
56) carbon tetrachloride	9.79	117	58037	17.61 ug/L	98
57) 1,1-dichloropropene	9.76	75	57721	19.13 ug/L	96
58) hexane	7.95	57	46015	16.39 ug/L	95
60) benzene	10.03	78	181351	17.22 ug/L	99
61) heptane	10.18	57	29559	18.03 ug/L	95
62) isopropyl acetate	9.95	61	17747	18.67 ug/L	89
63) 1,2-dichloroethane	10.05	62	56489	15.38 ug/L	99
64) trichloroethene	10.74	95	44380	19.89 ug/L	97
66) 2-nitropropane	11.52	41	13742	13.78 ug/L #	1
67) 2-chloroethyl vinyl ether	11.53	63	108469	84.72 ug/L	97
68) methyl methacrylate	11.00	69	25332	19.92 ug/L	98
69) 1,2-dichloropropane	11.01	63	48214	19.46 ug/L	99
70) methylcyclohexane	10.96	83	69228	19.67 ug/L	97
72) dibromomethane	11.17	93	27195	19.08 ug/L	94
73) bromodichloromethane	11.30	83	62487	18.11 ug/L	99
74) cis-1,3-dichloropropene	11.75	75	74000	18.50 ug/L	93
76) 4-methyl-2-pentanone	11.84	58	15592	20.01 ug/L	88
77) toluene	12.11	91	173747	19.18 ug/L	98
78) 3-methyl-1-butanol	11.86	70	24608	427.30 ug/L	94
79) trans-1,3-dichloropropene	12.31	75	64281	17.68 ug/L	99
80) ethyl methacrylate	12.29	69	48660	19.51 ug/L	96
81) 1,1,2-trichloroethane	12.52	83	30276	19.24 ug/L	98
82) 2-hexanone	12.69	58	13094	20.75 ug/L	93
84) tetrachloroethene	12.69	166	39919	19.15 ug/L	96
85) 1,3-dichloropropane	12.70	76	57160	19.79 ug/L	98
86) butyl acetate	12.75	56	23720	20.94 ug/L	98
87) dibromochloromethane	12.96	129	42108	18.59 ug/L	98
88) 1,2-dibromoethane	13.12	107	35042	20.74 ug/L	100
89) 3,3-Dimethyl-1-Butanol	12.86	57	43376	226.75 ug/L	99
90) n-butyl ether	13.47	57	197503	21.80 ug/L	98
91) chlorobenzene	13.57	112	107375	19.00 ug/L	95
92) 1,1,1,2-tetrachloroethane	13.63	131	45268	19.70 ug/L	97
93) ethylbenzene	13.62	91	190599	20.32 ug/L	99
94) m,p-xylene	13.72	106	140803	41.33 ug/L	97
95) o-xylene	14.14	91	163240	19.93 ug/L	94
96) styrene	14.15	104	119519	19.63 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158708.D
Acq On : 8 Nov 2015 2:59 pm
Operator : prashans
Sample : IC6930-20
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 09 16:09:07 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
97) bromoform	14.42	173	27718	17.55 ug/L	97
99) isopropylbenzene	14.48	105	189573	22.81 ug/L	98
102) bromobenzene	14.88	156	48703	19.46 ug/L	93
103) cyclohexanone	14.65	55	63307	369.71 ug/L	95
104) 1,1,2,2-tetrachloroethane	14.79	83	51669	23.18 ug/L	99
105) trans-1,4-dichloro-2-buten	14.83	53	12992	20.08 ug/L	95
106) 1,2,3-trichloropropane	14.86	110	11090	21.63 ug/L	93
107) n-propylbenzene	14.88	91	226239	22.30 ug/L	97
109) 2-chlorotoluene	15.03	126	46392	21.50 ug/L	94
110) 4-chlorotoluene	15.12	91	149022	22.15 ug/L	96
111) 1,3,5-trimethylbenzene	15.03	105	166839	22.08 ug/L	97
112) tert-butylbenzene	15.37	119	126979	21.61 ug/L	94
113) pentachloroethane	15.46	167	31392	20.89 ug/L	99
114) 1,2,4-trimethylbenzene	15.42	105	169614	22.03 ug/L	95
115) sec-butylbenzene	15.58	105	212032	22.59 ug/L	98
116) 1,3-dichlorobenzene	15.78	146	97592	19.92 ug/L	97
117) p-isopropyltoluene	15.70	119	173492	21.28 ug/L	97
118) 1,4-dichlorobenzene	15.86	146	97184	20.02 ug/L	97
119) 1,2-dichlorobenzene	16.25	146	94431	20.94 ug/L	98
120) n-butylbenzene	16.12	92	101544	23.89 ug/L	98
122) 1,2-dibromo-3-chloropropan	17.03	157	9395	20.53 ug/L	88
123) 1,3,5-Trichlorobenzene	17.21	180	84931	20.40 ug/L	99
124) 1,2,4-trichlorobenzene	17.84	180	72307	20.95 ug/L	98
126) hexachlorobutadiene	17.95	225	45318	19.26 ug/L	100
127) naphthalene	18.12	128	136410	22.12 ug/L	99
128) 1,2,3-trichlorobenzene	18.36	180	65320	21.51 ug/L	99
129) hexachloroethane	16.50	119	36870	20.67 ug/L	97
130) Benzyl chloride	15.98	91	106308	23.17 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

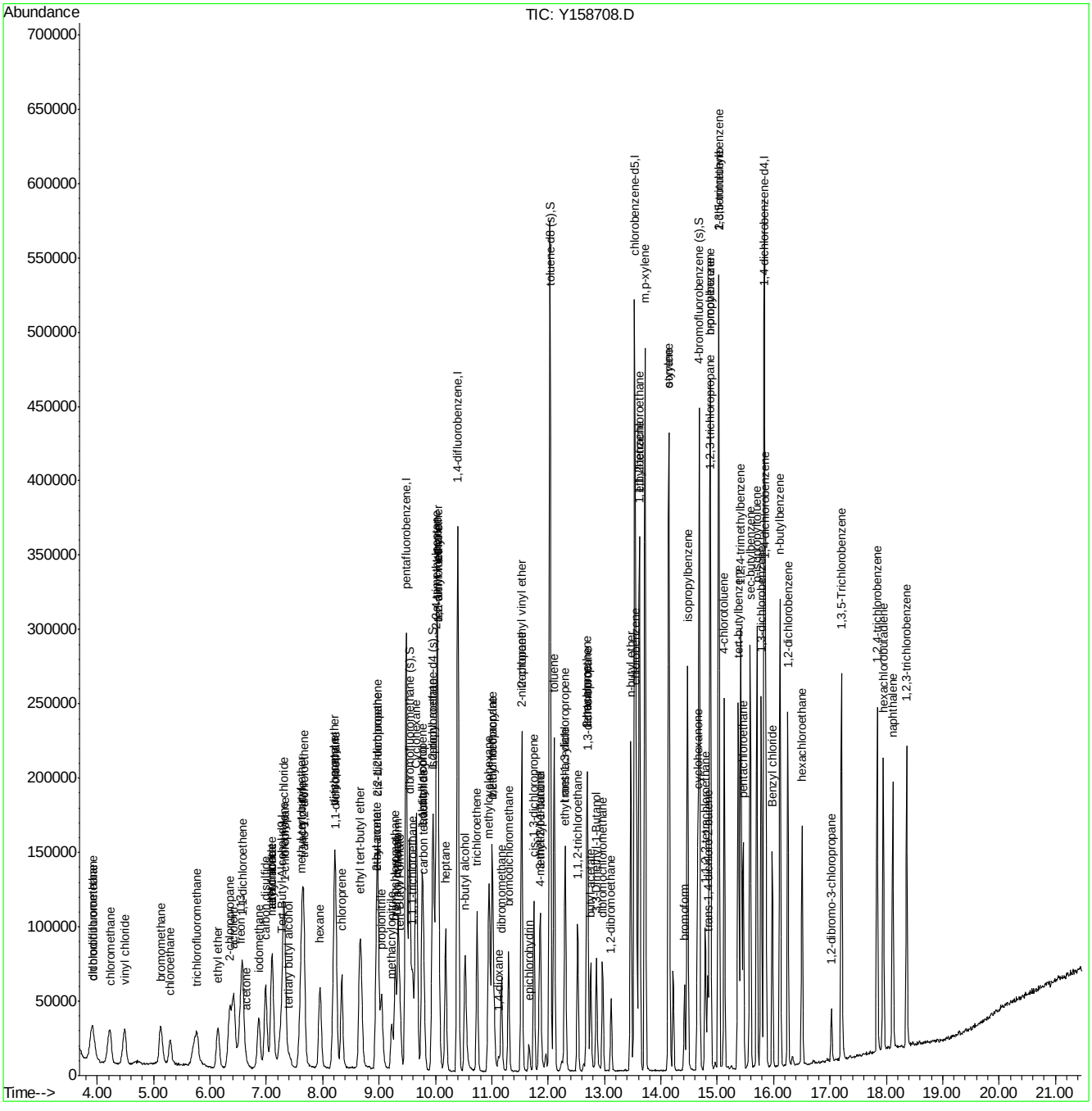
7.7.31

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158708.D
Acq On : 8 Nov 2015 2:59 pm
Operator : prashans
Sample : IC6930-20
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 09 16:09:07 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158709.D
Acq On : 8 Nov 2015 3:27 pm
Operator : prashans
Sample : ICC6930-50
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 09 16:09:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.27	65	98041	500.00	ug/L	0.00
4) pentafluorobenzene	9.48	168	280849	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.40	114	382968	50.00	ug/L	-0.01
83) chlorobenzene-d5	13.53	117	296144	50.00	ug/L	-0.01
98) 1,4-dichlorobenzene-d4	15.83	152	142197	50.00	ug/L	-0.01

System Monitoring Compounds						
45) dibromofluoromethane (s)	9.54	113	121431	51.56	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 103.12%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	119517	43.84	ug/L	-0.01
Spiked Amount 50.000	Range 68 - 124		Recovery = 87.68%			
75) toluene-d8 (s)	12.03	98	430093	46.39	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 92.78%			
100) 4-bromofluorobenzene (s)	14.68	95	158622	56.71	ug/L	-0.01
Spiked Amount 50.000	Range 72 - 130		Recovery = 113.42%			

Target Compounds						Qvalue
2) 1,4-dioxane	11.12	88	29028	1556.16	ug/L	95
3) tertiary butyl alcohol	7.40	59	63367	254.09	ug/L	98
6) chlorodifluoromethane	3.92	51	125191	52.35	ug/L #	92
7) dichlorodifluoromethane	3.89	85	166390	65.29	ug/L	93
8) chloromethane	4.23	50	176191	43.12	ug/L	97
9) vinyl chloride	4.49	62	163494	56.92	ug/L	99
11) bromomethane	5.13	94	99855	43.24	ug/L	98
12) chloroethane	5.30	64	78590	52.95	ug/L	98
14) trichlorofluoromethane	5.76	101	170389	47.18	ug/L	96
15) ethyl ether	6.14	74	57136	48.57	ug/L	97
16) 2-chloropropane	6.35	63	50367	53.53	ug/L	83
17) acrolein	6.42	56	219374	453.97	ug/L	98
18) 1,1-dichloroethene	6.58	61	171061	48.93	ug/L	96
19) acetone	6.63	58	9077	51.93	ug/L	98
20) allyl chloride	7.11	76	62560	55.72	ug/L	70
21) acetonitrile	7.10	41	288463	425.95	ug/L	95
22) iodomethane	6.86	142	201103	51.55	ug/L	98
23) carbon disulfide	6.99	76	394787	52.62	ug/L	100
24) 1-chloropropane	7.33	42	203011	44.46	ug/L	99
25) methylene chloride	7.30	49	181284	40.60	ug/L	92
26) methyl acetate	7.09	43	64564	43.61	ug/L	92
27) methyl tert butyl ether	7.62	73	327989	43.41	ug/L	99
28) trans-1,2-dichloroethene	7.67	61	174489	50.05	ug/L	97
29) di-isopropyl ether	8.20	45	399538	46.70	ug/L	81
30) ethyl tert-butyl ether	8.67	59	384594	46.63	ug/L	99
31) 2-butanone	8.94	72	10802	51.35	ug/L #	97
32) 1,1-dichloroethane	8.24	63	215223	48.70	ug/L	99
33) chloroprene	8.34	53	152008	51.51	ug/L	96
34) acrylonitrile	7.63	53	173134	230.47	ug/L	95
35) vinyl acetate	8.21	86	16887	51.90	ug/L	79
36) ethyl acetate	8.95	45	12448	47.45	ug/L #	1
37) 2,2-dichloropropane	8.98	77	183565	45.85	ug/L	97
38) cis-1,2-dichloroethene	8.97	98	85110	55.38	ug/L	92

ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158709.D
Acq On : 8 Nov 2015 3:27 pm
Operator : prashans
Sample : ICC6930-50
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 09 16:09:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) propionitrile	9.05	54	135058	453.29	ug/L		67
40) bromochloromethane	9.29	130	77360	49.71	ug/L		93
41) tetrahydrofuran	9.32	72	12692	50.24	ug/L	#	79
42) chloroform	9.34	83	210130	49.01	ug/L		97
43) tert-Butyl Formate	9.37	59	93835	43.94	ug/L		97
44) isobutyl alcohol	9.78	41	35368	418.32	ug/L	#	95
47) freon 113	6.55	151	75836	56.49	ug/L		90
48) methacrylonitrile	9.22	67	37534	52.77	ug/L		88
49) 1,1,1-trichloroethane	9.59	97	175770	49.24	ug/L		99
50) Cyclohexane	9.66	84	175095	56.84	ug/L		95
51) 2,2,4-trimethylpentane	10.01	57	424670	53.25	ug/L		99
52) tert-amyl methyl ether	10.05	73	349099	44.04	ug/L		99
54) epichlorohydrin	11.66	57	45620	229.80	ug/L		95
55) n-butyl alcohol	10.52	56	160718	2368.23	ug/L		98
56) carbon tetrachloride	9.79	117	154440	45.48	ug/L		98
57) 1,1-dichloropropene	9.76	75	150899	48.54	ug/L		98
58) hexane	7.95	57	119551	41.35	ug/L		100
60) benzene	10.03	78	467197	43.07	ug/L		97
61) heptane	10.18	57	80725	47.81	ug/L		97
62) isopropyl acetate	9.95	61	40067	46.56	ug/L		97
63) 1,2-dichloroethane	10.05	62	143064	37.80	ug/L		98
64) trichloroethene	10.74	95	119443	51.96	ug/L		97
66) 2-nitropropane	11.53	41	32240	31.37	ug/L	#	1
67) 2-chloroethyl vinyl ether	11.53	63	271633	205.94	ug/L		97
68) methyl methacrylate	11.00	69	62395	47.62	ug/L		98
69) 1,2-dichloropropane	11.01	63	125050	49.00	ug/L		98
70) methylcyclohexane	10.95	83	180577	49.81	ug/L		96
72) dibromomethane	11.17	93	70045	47.71	ug/L		96
73) bromodichloromethane	11.29	83	162581	45.74	ug/L		100
74) cis-1,3-dichloropropene	11.75	75	189096	45.88	ug/L		95
76) 4-methyl-2-pentanone	11.84	58	37729	47.01	ug/L		93
77) toluene	12.11	91	455594	48.83	ug/L		98
78) 3-methyl-1-butanol	11.86	70	58536	986.61	ug/L		95
79) trans-1,3-dichloropropene	12.31	75	163631	43.69	ug/L		99
80) ethyl methacrylate	12.29	69	123293	47.99	ug/L		96
81) 1,1,2-trichloroethane	12.52	83	77312	47.68	ug/L		98
82) 2-hexanone	12.69	58	31182	47.97	ug/L		94
84) tetrachloroethene	12.69	166	106652	49.48	ug/L		96
85) 1,3-dichloropropane	12.70	76	146165	48.94	ug/L		99
86) butyl acetate	12.75	56	57486	49.08	ug/L		98
87) dibromochloromethane	12.97	129	108692	46.40	ug/L		100
88) 1,2-dibromoethane	13.12	107	88097	50.42	ug/L		98
89) 3,3-Dimethyl-1-Butanol	12.86	57	102780	519.61	ug/L		99
90) n-butyl ether	13.47	57	511923	54.64	ug/L		99
91) chlorobenzene	13.56	112	283309	48.47	ug/L		93
92) 1,1,1,2-tetrachloroethane	13.63	131	116052	48.84	ug/L		98
93) ethylbenzene	13.62	91	503309	51.89	ug/L		99
94) m,p-xylene	13.72	106	371329	105.42	ug/L		100
95) o-xylene	14.13	91	431945	51.00	ug/L		94
96) styrene	14.15	104	316422	50.27	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158709.D
Acq On : 8 Nov 2015 3:27 pm
Operator : prashans
Sample : ICC6930-50
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 09 16:09:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
97) bromoform	14.42	173	71175	43.58 ug/L	99
99) isopropylbenzene	14.47	105	501193	59.06 ug/L	98
102) bromobenzene	14.88	156	126099	49.33 ug/L	95
103) cyclohexanone	14.65	55	133875	765.65 ug/L	97
104) 1,1,2,2-tetrachloroethane	14.79	83	128707	56.55 ug/L	97
105) trans-1,4-dichloro-2-buten	14.83	53	32468	49.15 ug/L	96
106) 1,2,3-trichloropropane	14.86	110	27307	52.15 ug/L	97
107) n-propylbenzene	14.88	91	586681	56.64 ug/L	98
109) 2-chlorotoluene	15.03	126	122577	55.63 ug/L	93
110) 4-chlorotoluene	15.13	91	387093	56.35 ug/L	99
111) 1,3,5-trimethylbenzene	15.03	105	440028	57.03 ug/L	97
112) tert-butylbenzene	15.37	119	341658	56.95 ug/L	92
113) pentachloroethane	15.46	167	83524	54.44 ug/L	98
114) 1,2,4-trimethylbenzene	15.42	105	447097	56.87 ug/L	97
115) sec-butylbenzene	15.58	105	563427	58.78 ug/L	98
116) 1,3-dichlorobenzene	15.78	146	256332	51.23 ug/L	99
117) p-isopropyltoluene	15.70	119	462530	55.56 ug/L	97
118) 1,4-dichlorobenzene	15.86	146	254422	51.32 ug/L	98
119) 1,2-dichlorobenzene	16.25	146	244568	53.12 ug/L	98
120) n-butylbenzene	16.12	92	265675	61.20 ug/L	99
122) 1,2-dibromo-3-chloropropan	17.03	157	23756	50.83 ug/L	89
123) 1,3,5-Trichlorobenzene	17.21	180	228755	53.80 ug/L	99
124) 1,2,4-trichlorobenzene	17.84	180	194809	55.28 ug/L	98
126) hexachlorobutadiene	17.95	225	124322	51.75 ug/L	100
127) naphthalene	18.12	128	352113	55.93 ug/L	99
128) 1,2,3-trichlorobenzene	18.36	180	172980	55.78 ug/L	98
129) hexachloroethane	16.50	119	98251	53.93 ug/L	96
130) Benzyl chloride	15.98	91	262570	56.04 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

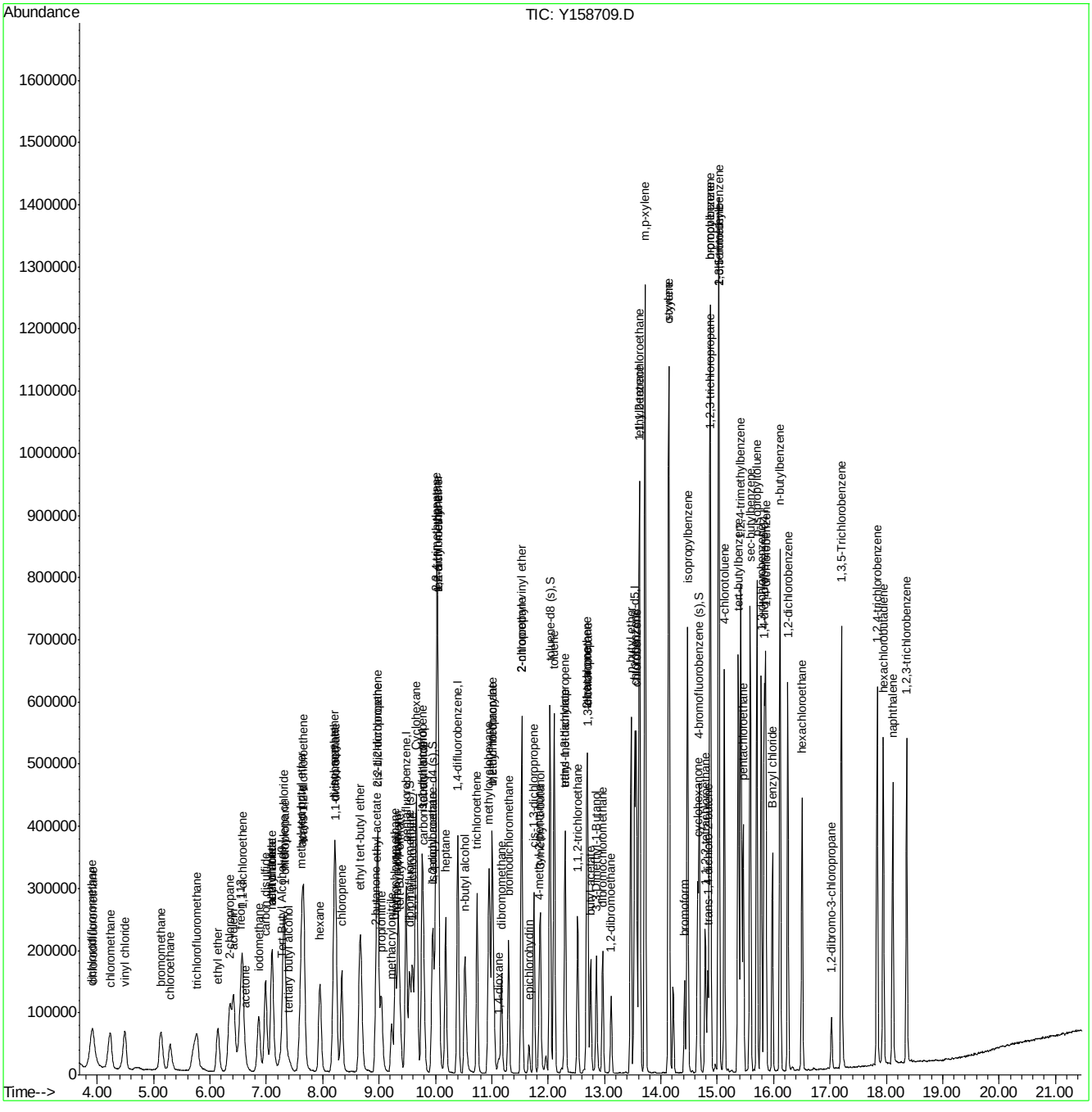
7.7.32

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158709.D
Acq On : 8 Nov 2015 3:27 pm
Operator : prashans
Sample : ICC6930-50
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 09 16:09:24 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158710.D
Acq On : 8 Nov 2015 3:55 pm
Operator : prashans
Sample : IC6930-100
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 09 16:09:44 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.28	65	103785	500.00	ug/L	0.00
4) pentafluorobenzene	9.48	168	281303	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.40	114	388774	50.00	ug/L	-0.01
83) chlorobenzene-d5	13.53	117	301420	50.00	ug/L	-0.01
98) 1,4-dichlorobenzene-d4	15.84	152	145352	50.00	ug/L	-0.01

System Monitoring Compounds

45) dibromofluoromethane (s)	9.54	113	125020	53.00	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 106.00%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	121914	44.65	ug/L	-0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 89.30%			
75) toluene-d8 (s)	12.03	98	439443	46.69	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 93.38%			
100) 4-bromofluorobenzene (s)	14.68	95	161902	56.63	ug/L	-0.01
Spiked Amount 50.000	Range 72 - 130		Recovery = 113.26%			

Target Compounds						Qvalue
2) 1,4-dioxane	11.12	88	63967	3239.41	ug/L	99
3) tertiary butyl alcohol	7.39	59	135143	511.91	ug/L	94
6) chlorodifluoromethane	3.92	51	203623	85.00	ug/L	95
7) dichlorodifluoromethane	3.89	85	300584	117.75	ug/L	96
8) chloromethane	4.24	50	349214	85.34	ug/L	99
9) vinyl chloride	4.49	62	322075	111.95	ug/L	100
11) bromomethane	5.13	94	183768	79.46	ug/L	97
12) chloroethane	5.29	64	152022	102.26	ug/L	99
14) trichlorofluoromethane	5.76	101	343866	95.06	ug/L	97
15) ethyl ether	6.14	74	117839	100.01	ug/L	96
16) 2-chloropropane	6.35	63	98903	104.93	ug/L	85
18) 1,1-dichloroethene	6.58	61	340543	97.24	ug/L	95
19) acetone	6.64	58	18402	105.10	ug/L	95
20) allyl chloride	7.10	76	123272	109.61	ug/L	73
21) acetonitrile	7.11	41	582144	858.22	ug/L	94
22) iodomethane	6.87	142	415900	106.43	ug/L	98
23) carbon disulfide	6.99	76	792497	105.46	ug/L	99
24) 1-chloropropane	7.33	42	392168	90.73	ug/L	98
25) methylene chloride	7.30	49	365231	81.66	ug/L	92
26) methyl acetate	7.09	43	131303	88.55	ug/L	92
27) methyl tert butyl ether	7.62	73	681820	90.09	ug/L	97
28) trans-1,2-dichloroethene	7.67	61	344843	98.75	ug/L	96
29) di-isopropyl ether	8.20	45	813805	94.98	ug/L	77
30) ethyl tert-butyl ether	8.67	59	800709	96.92	ug/L	98
31) 2-butanone	8.94	72	23127	109.77	ug/L	99
32) 1,1-dichloroethane	8.24	63	428875	96.88	ug/L	99
33) chloroprene	8.33	53	302939	102.48	ug/L	98
34) acrylonitrile	7.63	53	359102	477.25	ug/L	98
35) vinyl acetate	8.22	86	36708	112.63	ug/L	59
36) ethyl acetate	8.95	45	25365	96.53	ug/L #	1
37) 2,2-dichloropropane	8.98	77	366095	91.30	ug/L	99
38) cis-1,2-dichloroethene	8.97	98	172059	111.77	ug/L	93
39) propionitrile	9.05	54	281368	942.83	ug/L	72

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158710.D
Acq On : 8 Nov 2015 3:55 pm
Operator : prashans
Sample : IC6930-100
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 09 16:09:44 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
40) bromochloromethane	9.29	130	161991	103.92 ug/L	92
41) tetrahydrofuran	9.32	72	26330	104.05 ug/L	87
42) chloroform	9.34	83	426838	99.39 ug/L	96
43) tert-Butyl Formate	9.37	59	198945	93.00 ug/L	97
44) isobutyl alcohol	9.77	41	76501	903.36 ug/L #	91
47) freon 113	6.55	151	154984	115.26 ug/L	89
48) methacrylonitrile	9.22	67	78498	110.18 ug/L	92
49) 1,1,1-trichloroethane	9.59	97	356392	99.68 ug/L	100
50) Cyclohexane	9.66	84	349613	113.31 ug/L	94
51) 2,2,4-trimethylpentane	10.01	57	843292	105.58 ug/L	98
52) tert-amyl methyl ether	10.05	73	719776	90.66 ug/L	100
54) epichlorohydrin	11.66	57	96552	479.10 ug/L	96
55) n-butyl alcohol	10.52	56	347360	5042.01 ug/L	97
56) carbon tetrachloride	9.79	117	313261	90.88 ug/L	98
57) 1,1-dichloropropene	9.76	75	300365	95.18 ug/L	99
58) hexane	7.95	57	234176	79.78 ug/L	97
60) benzene	10.03	78	939691	85.34 ug/L	98
61) heptane	10.18	57	157711	92.00 ug/L	96
62) isopropyl acetate	9.95	61	81565	98.13 ug/L	99
63) 1,2-dichloroethane	10.05	62	296447	77.16 ug/L	98
64) trichloroethene	10.74	95	240968	103.27 ug/L	96
66) 2-nitropropane	11.52	41	68189	65.37 ug/L #	1
67) 2-chloroethyl vinyl ether	11.53	63	562322	419.96 ug/L	97
68) methyl methacrylate	11.00	69	136412	102.54 ug/L	98
69) 1,2-dichloropropane	11.01	63	254608	98.28 ug/L	98
70) methylcyclohexane	10.96	83	363198	98.68 ug/L	97
72) dibromomethane	11.17	93	145636	97.71 ug/L	96
73) bromodichloromethane	11.30	83	341940	94.76 ug/L	97
74) cis-1,3-dichloropropene	11.75	75	395769	94.60 ug/L	96
76) 4-methyl-2-pentanone	11.84	58	79075	97.05 ug/L	98
77) toluene	12.11	91	927583	97.93 ug/L	99
78) 3-methyl-1-butanol	11.86	70	125358	2081.32 ug/L	92
79) trans-1,3-dichloropropene	12.31	75	341472	89.80 ug/L	98
80) ethyl methacrylate	12.29	69	258805	99.24 ug/L	97
81) 1,1,2-trichloroethane	12.52	83	161875	98.34 ug/L	97
82) 2-hexanone	12.69	58	66832	101.28 ug/L	94
84) tetrachloroethene	12.69	166	217219	99.01 ug/L	96
85) 1,3-dichloropropane	12.70	76	303691	99.91 ug/L	100
86) butyl acetate	12.75	56	119189	99.97 ug/L	99
87) dibromochloromethane	12.97	129	234459	98.34 ug/L	100
88) 1,2-dibromoethane	13.12	107	187709	105.56 ug/L	100
89) 3,3-Dimethyl-1-Butanol	12.85	57	228486	1134.90 ug/L	98
90) n-butyl ether	13.47	57	1039816	109.05 ug/L	99
91) chlorobenzene	13.57	112	582002	97.83 ug/L	94
92) 1,1,1,2-tetrachloroethane	13.63	131	241361	99.80 ug/L	98
93) ethylbenzene	13.62	91	1011812	102.49 ug/L	99
94) m,p-xylene	13.72	106	741080	206.70 ug/L	96
95) o-xylene	14.14	91	878304	101.89 ug/L	94
96) styrene	14.15	104	644677	100.62 ug/L	96
97) bromoform	14.42	173	153611	92.41 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158710.D
Acq On : 8 Nov 2015 3:55 pm
Operator : prashans
Sample : IC6930-100
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 09 16:09:44 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
99) isopropylbenzene	14.48	105	1013658	116.86 ug/L	99
102) bromobenzene	14.87	156	258462	98.92 ug/L	91
103) cyclohexanone	14.65	55	270340	1512.56 ug/L	96
104) 1,1,2,2-tetrachloroethane	14.79	83	266171	114.42 ug/L	99
105) trans-1,4-dichloro-2-buten	14.83	53	66846	99.00 ug/L	98
106) 1,2,3-trichloropropane	14.86	110	56251	105.09 ug/L	98
107) n-propylbenzene	14.88	91	1160447	109.60 ug/L	99
109) 2-chlorotoluene	15.03	126	246120	109.27 ug/L	90
110) 4-chlorotoluene	15.12	91	789183	112.39 ug/L	97
111) 1,3,5-trimethylbenzene	15.03	105	892861	113.21 ug/L	97
112) tert-butylbenzene	15.37	119	699998	114.15 ug/L	93
113) pentachloroethane	15.46	167	175593	111.96 ug/L	99
114) 1,2,4-trimethylbenzene	15.42	105	911332	113.41 ug/L	96
115) sec-butylbenzene	15.58	105	1131908	115.52 ug/L	98
116) 1,3-dichlorobenzene	15.78	146	523699	102.40 ug/L	98
117) p-isopropyltoluene	15.70	119	936796	110.10 ug/L	97
118) 1,4-dichlorobenzene	15.86	146	522411	103.08 ug/L	98
119) 1,2-dichlorobenzene	16.25	146	503133	106.91 ug/L	98
120) n-butylbenzene	16.12	92	528862	119.19 ug/L	99
122) 1,2-dibromo-3-chloropropan	17.03	157	49900	104.45 ug/L	86
123) 1,3,5-Trichlorobenzene	17.21	180	467613	107.59 ug/L	99
124) 1,2,4-trichlorobenzene	17.84	180	409493	113.69 ug/L	98
126) hexachlorobutadiene	17.95	225	250156	101.87 ug/L	99
127) naphthalene	18.12	128	735819	114.34 ug/L	100
128) 1,2,3-trichlorobenzene	18.36	180	364679	115.04 ug/L	99
129) hexachloroethane	16.50	119	203620	109.34 ug/L	98
130) Benzyl chloride	15.98	91	545535	113.91 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

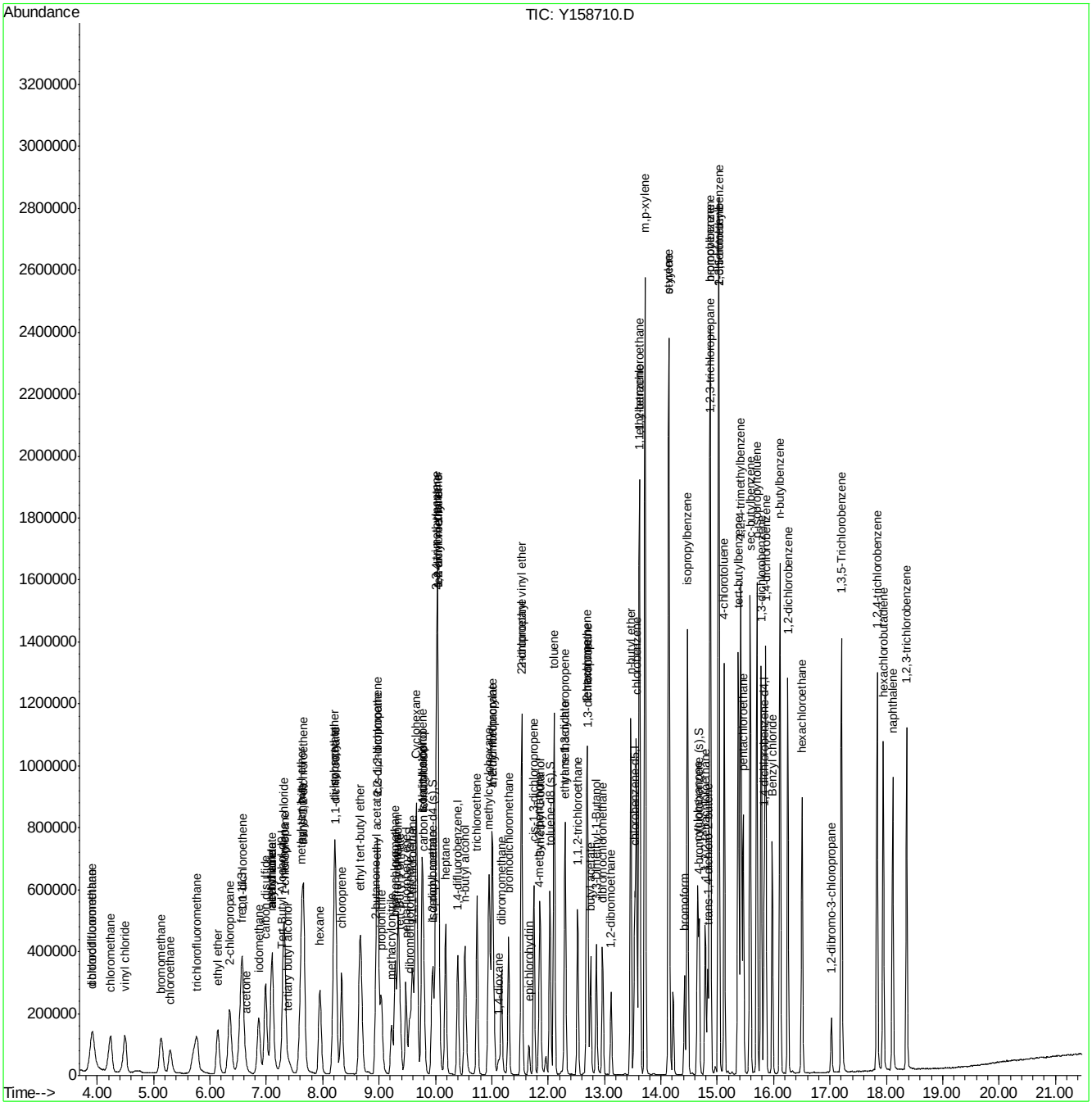
7.7.33

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158710.D
Acq On : 8 Nov 2015 3:55 pm
Operator : prashans
Sample : IC6930-100
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 09 16:09:44 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration



MYS6930.M Tue Nov 10 11:10:53 2015 RPT1 Page: 4

ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158711.D
Acq On : 8 Nov 2015 4:23 pm
Operator : prashans
Sample : IC6930-200
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 09 16:09:59 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.29	65	115533	500.00	ug/L	0.02
4) pentafluorobenzene	9.47	168	297185	50.00	ug/L	-0.01
53) 1,4-difluorobenzene	10.40	114	411426	50.00	ug/L	-0.01
83) chlorobenzene-d5	13.53	117	314168	50.00	ug/L	-0.01
98) 1,4-dichlorobenzene-d4	15.83	152	151992	50.00	ug/L	-0.01

System Monitoring Compounds						
45) dibromofluoromethane (s)	9.54	113	129881	52.12	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 122		Recovery = 104.24%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	126545	43.87	ug/L	-0.01
Spiked Amount 50.000	Range 68 - 124		Recovery = 87.74%			
75) toluene-d8 (s)	12.03	98	465555	46.74	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 93.48%			
100) 4-bromofluorobenzene (s)	14.68	95	167117	55.90	ug/L	-0.01
Spiked Amount 50.000	Range 72 - 130		Recovery = 111.80%			

Target Compounds						Qvalue
2) 1,4-dioxane	11.12	88	124014	5641.69	ug/L	97
3) tertiary butyl alcohol	7.40	59	270112	919.13	ug/L	99
6) chlorodifluoromethane	3.92	51	419066	165.59	ug/L	94
7) dichlorodifluoromethane	3.89	85	592995	219.89	ug/L	96
8) chloromethane	4.24	50	680381	157.38	ug/L	99
9) vinyl chloride	4.50	62	627242	206.37	ug/L	99
12) chloroethane	5.29	64	274193	174.58	ug/L	99
14) trichlorofluoromethane	5.76	101	688464	180.15	ug/L	97
15) ethyl ether	6.14	74	232716	186.96	ug/L	98
16) 2-chloropropane	6.35	63	194926	195.76	ug/L	84
18) 1,1-dichloroethene	6.57	61	657530	177.72	ug/L	95
19) acetone	6.63	58	36356	196.55	ug/L	94
20) allyl chloride	7.10	76	239212	201.34	ug/L	64
21) acetonitrile	7.10	41	1123175	1567.34	ug/L	93
22) iodomethane	6.86	142	833147	201.81	ug/L	100
23) carbon disulfide	6.99	76	1547949	194.98	ug/L	99
24) 1-chloropropane	7.33	42	734906	165.09	ug/L	98
25) methylene chloride	7.30	49	707881	149.80	ug/L	91
26) methyl acetate	7.08	43	255129	162.87	ug/L	93
27) methyl tert butyl ether	7.62	73	1375872	172.08	ug/L	97
28) trans-1,2-dichloroethene	7.67	61	660467	179.02	ug/L	96
29) di-isopropyl ether	8.20	45	1595394	176.24	ug/L #	71
30) ethyl tert-butyl ether	8.67	59	1614753	185.02	ug/L	97
31) 2-butanone	8.93	72	46052	206.90	ug/L	98
32) 1,1-dichloroethane	8.24	63	831660	177.83	ug/L	99
33) chloroprene	8.33	53	580169	185.78	ug/L	97
34) acrylonitrile	7.63	53	698438	878.63	ug/L	97
35) vinyl acetate	8.21	86	73530	213.56	ug/L	75
36) ethyl acetate	8.94	45	48413	174.40	ug/L #	47
37) 2,2-dichloropropane	8.98	77	717641	169.41	ug/L	98
38) cis-1,2-dichloroethene	8.97	98	334042	205.40	ug/L	95
39) propionitrile	9.05	54	550803	1747.03	ug/L	76
40) bromochloromethane	9.28	130	320726	194.75	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158711.D
Acq On : 8 Nov 2015 4:23 pm
Operator : prashans
Sample : IC6930-200
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 09 16:09:59 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) tetrahydrofuran	9.31	72	53325	199.46 ug/L #	85
42) chloroform	9.34	83	834079	183.83 ug/L	97
43) tert-Butyl Formate	9.37	59	399228	176.65 ug/L	94
44) isobutyl alcohol	9.77	41	151590	1694.38 ug/L #	95
47) freon 113	6.55	151	311192	219.06 ug/L	95
48) methacrylonitrile	9.22	67	156409	207.80 ug/L	89
49) 1,1,1-trichloroethane	9.59	97	709750	187.91 ug/L	98
50) Cyclohexane	9.66	84	676094	207.41 ug/L	92
51) 2,2,4-trimethylpentane	10.01	57	1641963	194.59 ug/L	99
52) tert-amyl methyl ether	10.05	73	1434321	171.01 ug/L	100
54) epichlorohydrin	11.66	57	191846	899.54 ug/L	95
55) n-butyl alcohol	10.52	56	689816	9461.56 ug/L	97
56) carbon tetrachloride	9.79	117	625294	171.41 ug/L	99
57) 1,1-dichloropropene	9.76	75	576911	172.74 ug/L	97
58) hexane	7.95	57	443457	142.76 ug/L	99
60) benzene	10.02	78	1775997	152.41 ug/L	98
61) heptane	10.18	57	304144	167.66 ug/L	97
62) isopropyl acetate	9.94	61	160668	186.73 ug/L	95
63) 1,2-dichloroethane	10.05	62	577594	142.06 ug/L	99
64) trichloroethene	10.74	95	470730	190.63 ug/L	97
66) 2-nitropropane	11.52	41	131606	119.22 ug/L #	1
67) 2-chloroethyl vinyl ether	11.53	63	1093937	772.01 ug/L	97
68) methyl methacrylate	11.00	69	270864	192.41 ug/L	98
69) 1,2-dichloropropane	11.01	63	493197	179.89 ug/L	97
70) methylcyclohexane	10.95	83	712364	182.89 ug/L	98
72) dibromomethane	11.17	93	290971	184.47 ug/L	97
73) bromodichloromethane	11.30	83	680787	178.27 ug/L	99
74) cis-1,3-dichloropropene	11.75	75	785195	177.34 ug/L	95
76) 4-methyl-2-pentanone	11.84	58	157773	182.97 ug/L	98
77) toluene	12.11	91	1799267	179.50 ug/L	98
78) 3-methyl-1-butanol	11.86	70	251917	3952.30 ug/L	93
79) trans-1,3-dichloropropene	12.31	75	671308	166.83 ug/L	98
80) ethyl methacrylate	12.29	69	510830	185.09 ug/L	97
81) 1,1,2-trichloroethane	12.52	83	319730	183.55 ug/L	99
82) 2-hexanone	12.69	58	129890	186.01 ug/L	95
84) tetrachloroethene	12.69	166	425927	186.27 ug/L	96
85) 1,3-dichloropropane	12.70	76	593356	187.29 ug/L	100
86) butyl acetate	12.75	56	232323	186.96 ug/L	99
87) dibromochloromethane	12.97	129	474701	191.02 ug/L	99
88) 1,2-dibromoethane	13.12	107	373959	201.76 ug/L	99
89) 3,3-Dimethyl-1-Butanol	12.85	57	458833	2186.57 ug/L	99
90) n-butyl ether	13.47	57	1977347	198.96 ug/L	100
91) chlorobenzene	13.56	112	1131559	182.49 ug/L	93
92) 1,1,1,2-tetrachloroethane	13.63	131	481084	190.85 ug/L	97
93) ethylbenzene	13.62	91	1902864	184.93 ug/L	99
94) m,p-xylene	13.72	106	1390411	372.08 ug/L	96
95) o-xylene	14.14	91	1669286	185.80 ug/L	93
96) styrene	14.15	104	1211392	181.40 ug/L	97
97) bromoform	14.42	173	311677	179.89 ug/L	99
99) isopropylbenzene	14.48	105	1949415	214.93 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158711.D
Acq On : 8 Nov 2015 4:23 pm
Operator : prashans
Sample : IC6930-200
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 09 16:09:59 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
102) bromobenzene	14.88	156	493023	180.45 ug/L	99
103) cyclohexanone	14.65	55	546340	2923.25 ug/L	96
104) 1,1,2,2-tetrachloroethane	14.79	83	524406	215.58 ug/L	98
105) trans-1,4-dichloro-2-buten	14.83	53	131803	186.68 ug/L	96
106) 1,2,3-trichloropropane	14.86	110	110306	197.07 ug/L	98
107) n-propylbenzene	14.88	91	2152374	194.40 ug/L	99
109) 2-chlorotoluene	15.03	126	465837	197.78 ug/L	91
110) 4-chlorotoluene	15.13	91	1513549	206.14 ug/L	99
111) 1,3,5-trimethylbenzene	15.03	105	1676807	203.32 ug/L	98
112) tert-butylbenzene	15.37	119	1394051	217.41 ug/L	93
113) pentachloroethane	15.46	167	354098	215.91 ug/L	99
114) 1,2,4-trimethylbenzene	15.42	105	1737846	206.82 ug/L	98
115) sec-butylbenzene	15.58	105	2164203	211.23 ug/L	98
116) 1,3-dichlorobenzene	15.78	146	1018792	190.50 ug/L	99
117) p-isopropyltoluene	15.70	119	1804943	202.86 ug/L	97
118) 1,4-dichlorobenzene	15.86	146	1009446	190.48 ug/L	97
119) 1,2-dichlorobenzene	16.25	146	985163	200.20 ug/L	97
120) n-butylbenzene	16.12	92	998855	215.27 ug/L	98
122) 1,2-dibromo-3-chloropropan	17.03	157	101780	203.73 ug/L	88
123) 1,3,5-Trichlorobenzene	17.21	180	909476	200.11 ug/L	99
124) 1,2,4-trichlorobenzene	17.84	180	813210	215.91 ug/L	97
126) hexachlorobutadiene	17.95	225	495117	192.82 ug/L	100
127) naphthalene	18.12	128	1484125	220.54 ug/L	100
128) 1,2,3-trichlorobenzene	18.36	180	734867	221.69 ug/L	99
129) hexachloroethane	16.50	119	405441	208.21 ug/L	97
130) Benzyl chloride	15.98	91	1068909	213.45 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

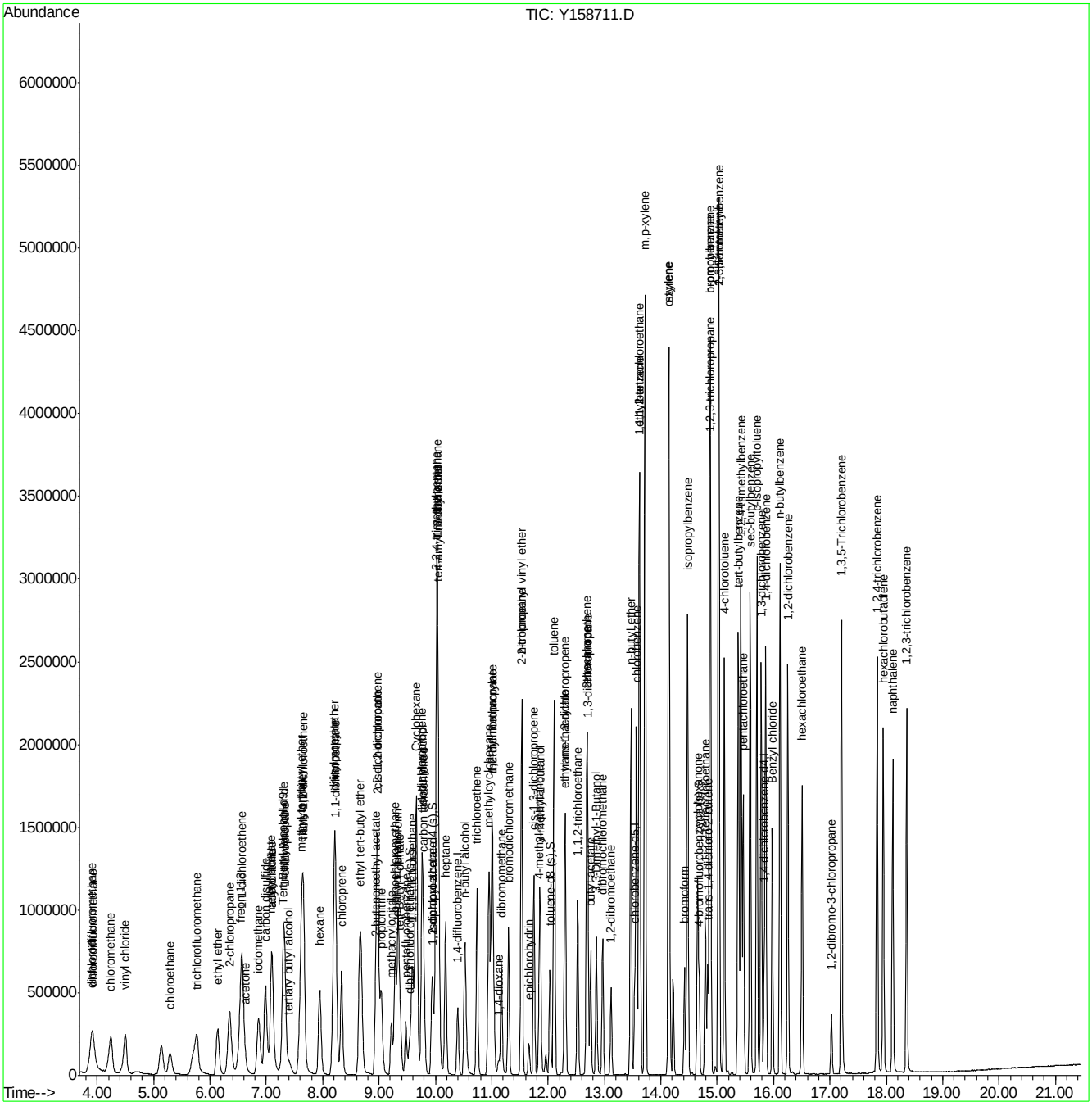
7.7.34

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158711.D
Acq On : 8 Nov 2015 4:23 pm
Operator : prashans
Sample : IC6930-200
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 09 16:09:59 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Oct 14 17:43:57 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158714.D
Acq On : 8 Nov 2015 5:48 pm
Operator : prashans
Sample : ICV6930-50
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 10 11:05:54 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.27	65	105770	500.00	ug/L	0.00
4) pentafluorobenzene	9.48	168	289468	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.40	114	392905	50.00	ug/L	0.00
83) chlorobenzene-d5	13.53	117	300097	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	15.83	152	144302	50.00	ug/L	0.00

System Monitoring Compounds

45) dibromofluoromethane (s)	9.54	113	124141	49.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 122		Recovery = 98.96%			
46) 1,2-dichloroethane-d4 (s)	9.96	65	129657	52.36	ug/L	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 104.72%			
75) toluene-d8 (s)	12.03	98	443896	50.04	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 100.08%			
100) 4-bromofluorobenzene (s)	14.68	95	159725	49.91	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 99.82%			

Target Compounds

						Qvalue
2) 1,4-dioxane	11.13	88	33197	1423.25	ug/L	99
3) tertiary butyl alcohol	7.39	59	71023	258.78	ug/L	98
6) chlorodifluoromethane	3.92	51	99946	41.19	ug/L	97
7) dichlorodifluoromethane	3.89	85	150322	45.60	ug/L	95
8) chloromethane	4.22	50	167604	43.79	ug/L	97
9) vinyl chloride	4.49	62	152042	45.82	ug/L	100
11) bromomethane	5.12	94	92036	42.60	ug/L	98
12) chloroethane	5.29	64	72542	46.67	ug/L	99
14) trichlorofluoromethane	5.76	101	156825	44.88	ug/L	96
15) ethyl ether	6.14	74	59042	49.08	ug/L	100
16) 2-chloropropane	6.35	63	46486	46.96	ug/L	95
17) acrolein	6.42	56	227385	465.86	ug/L	100
18) 1,1-dichloroethene	6.57	61	155888	43.62	ug/L	99
19) acetone	6.62	58	9365	47.40	ug/L	92
20) allyl chloride	7.10	76	58608	45.92	ug/L	91
21) acetonitrile	7.11	41	295952	484.48	ug/L	98
22) iodomethane	6.86	142	192332	46.41	ug/L	98
23) carbon disulfide	6.99	76	362494	42.91	ug/L	100
24) 1-chloropropane	7.33	42	191629	48.08	ug/L	100
25) methylene chloride	7.30	49	176824	44.89	ug/L	97
26) methyl acetate	7.08	43	77509	54.12	ug/L	97
27) methyl tert butyl ether	7.61	73	690641	96.63	ug/L	95
28) trans-1,2-dichloroethene	7.67	61	163320	44.94	ug/L	99
29) di-isopropyl ether	8.20	45	423962	49.88	ug/L	96
30) ethyl tert-butyl ether	8.66	59	410784	51.51	ug/L	99
31) 2-butanone	8.94	72	11671	51.28	ug/L	92
32) 1,1-dichloroethane	8.24	63	208403	46.04	ug/L	98
33) chloroprene	8.34	53	149804	48.47	ug/L	98
34) acrylonitrile	7.63	53	188100	259.09	ug/L	97
35) vinyl acetate	8.22	86	19680	56.47	ug/L	78
36) ethyl acetate	8.94	45	15361	58.02	ug/L #	39
37) 2,2-dichloropropane	8.97	77	169194	42.23	ug/L	98
38) cis-1,2-dichloroethene	8.97	98	82805	48.76	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158714.D
Acq On : 8 Nov 2015 5:48 pm
Operator : prashans
Sample : ICV6930-50
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 10 11:05:54 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) propionitrile	9.05	54	146079	531.90 ug/L	97
40) bromochloromethane	9.28	130	78869	51.00 ug/L	99
41) tetrahydrofuran	9.32	72	13642	54.35 ug/L	99
42) chloroform	9.34	83	205511	45.96 ug/L	99
43) tert-Butyl Formate	9.37	59	101390	52.15 ug/L	98
44) isobutyl alcohol	9.78	41	38850	473.20 ug/L	96
47) freon 113	6.54	151	78158	52.64 ug/L	88
48) methacrylonitrile	9.22	67	39955	51.46 ug/L	98
49) 1,1,1-trichloroethane	9.59	97	164467	43.80 ug/L	96
50) Cyclohexane	9.66	84	161423	44.03 ug/L	97
51) 2,2,4-trimethylpentane	10.01	57	401894	46.00 ug/L	100
52) tert-amyl methyl ether	10.05	73	371936	51.07 ug/L	98
54) epichlorohydrin	11.66	57	51132	265.30 ug/L	97
55) n-butyl alcohol	10.53	56	185155	2676.47 ug/L	99
56) carbon tetrachloride	9.79	117	143082	44.87 ug/L	99
57) 1,1-dichloropropene	9.76	75	139940	43.41 ug/L	98
58) hexane	7.95	57	111780	45.63 ug/L	100
60) benzene	10.02	78	450864	43.56 ug/L	99
61) heptane	10.18	57	79636	49.96 ug/L	98
62) isopropyl acetate	9.95	61	44358	54.16 ug/L	94
63) 1,2-dichloroethane	10.05	62	146615	49.43 ug/L	98
64) trichloroethene	10.74	95	111953	45.25 ug/L	98
66) 2-nitropropane	11.53	41	35361	50.63 ug/L	93
67) 2-chloroethyl vinyl ether	11.53	63	311193	282.46 ug/L	99
68) methyl methacrylate	11.00	69	69696	52.75 ug/L	94
69) 1,2-dichloropropane	11.01	63	124269	48.53 ug/L	100
70) methylcyclohexane	10.95	83	178451	47.46 ug/L	98
72) dibromomethane	11.17	93	71820	49.95 ug/L	98
73) bromodichloromethane	11.30	83	164076	50.30 ug/L	98
74) cis-1,3-dichloropropene	11.75	75	191674	49.05 ug/L	99
76) 4-methyl-2-pentanone	11.84	58	40775	52.58 ug/L	95
77) toluene	12.11	91	441045	44.78 ug/L	99
78) 3-methyl-1-butanol	11.86	70	67042	1095.39 ug/L	99
79) trans-1,3-dichloropropene	12.31	75	168442	49.66 ug/L	97
80) ethyl methacrylate	12.29	69	130679	52.64 ug/L	99
81) 1,1,2-trichloroethane	12.52	83	80534	50.68 ug/L	98
82) 2-hexanone	12.69	58	34600	53.10 ug/L	98
84) tetrachloroethene	12.69	166	100009	46.68 ug/L	99
85) 1,3-dichloropropane	12.70	76	151304	50.49 ug/L	99
86) butyl acetate	12.75	56	65585	55.13 ug/L	97
87) dibromochloromethane	12.96	129	112727	51.27 ug/L	100
88) 1,2-dibromoethane	13.12	107	92041	51.83 ug/L	100
89) 3,3-Dimethyl-1-Butanol	12.85	57	120715	550.05 ug/L	99
90) n-butyl ether	13.47	57	500276	47.60 ug/L	100
91) chlorobenzene	13.57	112	278634	47.77 ug/L	99
92) 1,1,1,2-tetrachloroethane	13.63	131	114918	49.86 ug/L	99
93) ethylbenzene	13.62	91	477988	44.57 ug/L	100
94) m,p-xylene	13.72	106	352611	91.24 ug/L	97
95) o-xylene	14.14	91	419040	44.78 ug/L	99
96) styrene	14.15	104	312421	48.51 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158714.D
Acq On : 8 Nov 2015 5:48 pm
Operator : prashans
Sample : ICV6930-50
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 10 11:05:54 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration

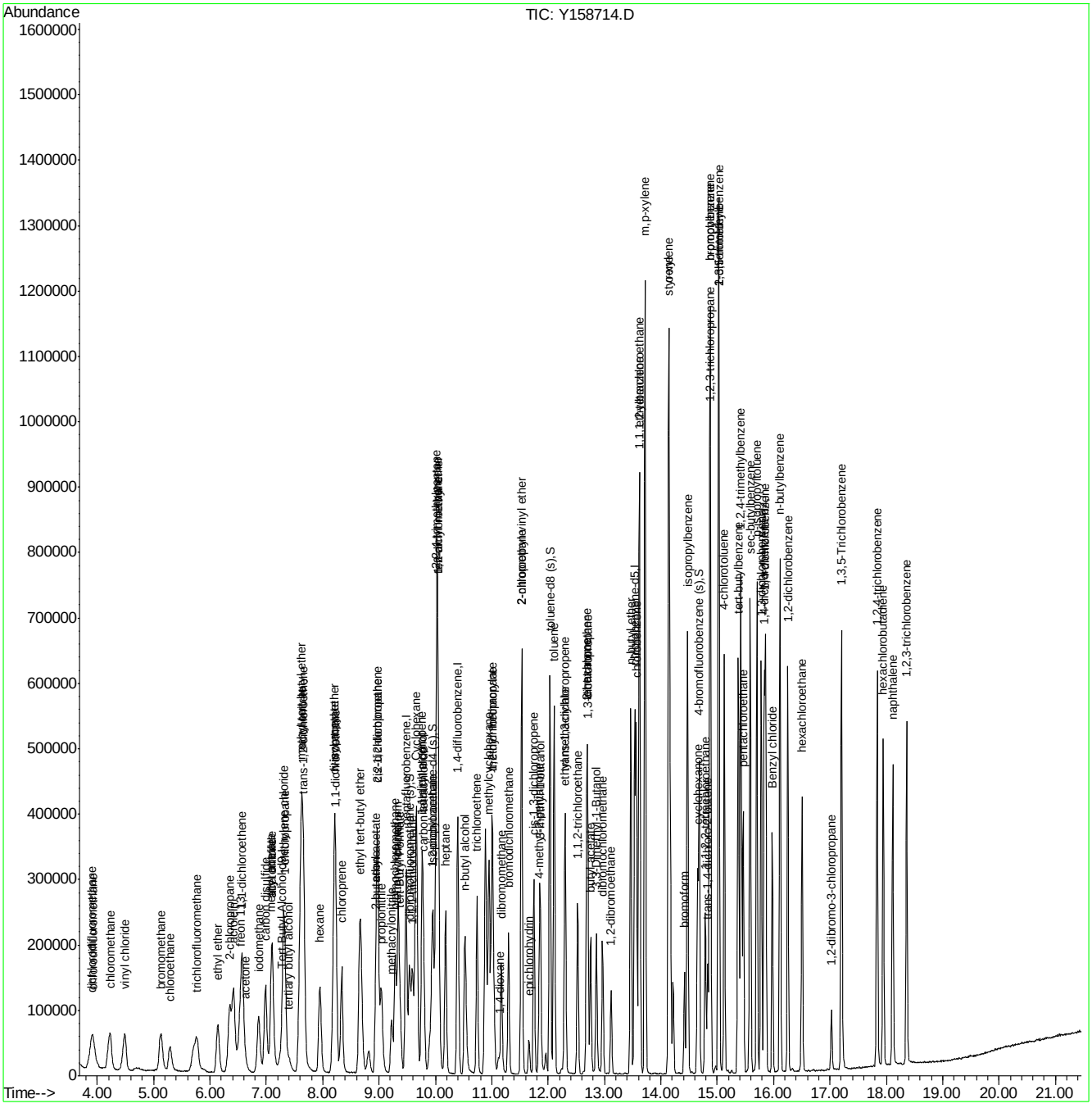
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
97) bromoform	14.42	173	73929	53.67 ug/L	98
99) isopropylbenzene	14.48	105	472315	45.29 ug/L	99
102) bromobenzene	14.87	156	126075	48.19 ug/L	95
103) cyclohexanone	14.65	55	141641	493.47 ug/L	98
104) 1,1,2,2-tetrachloroethane	14.79	83	135581	51.32 ug/L	97
105) trans-1,4-dichloro-2-buten	14.83	53	33785	52.34 ug/L	93
106) 1,2,3-trichloropropane	14.86	110	29298	51.38 ug/L	97
107) n-propylbenzene	14.88	91	552882	45.16 ug/L	99
109) 2-chlorotoluene	15.03	126	118652	47.32 ug/L	98
110) 4-chlorotoluene	15.12	91	378098	45.48 ug/L	98
111) 1,3,5-trimethylbenzene	15.02	105	423715	47.01 ug/L	98
112) tert-butylbenzene	15.37	119	332123	47.35 ug/L	98
113) pentachloroethane	15.46	167	83584	50.87 ug/L	99
114) 1,2,4-trimethylbenzene	15.42	105	431033	46.70 ug/L	98
115) sec-butylbenzene	15.58	105	532517	45.88 ug/L	100
116) 1,3-dichlorobenzene	15.78	146	251964	47.42 ug/L	99
117) p-isopropyltoluene	15.70	119	436511	45.87 ug/L	99
118) 1,4-dichlorobenzene	15.86	146	248973	47.18 ug/L	99
119) 1,2-dichlorobenzene	16.25	146	245341	48.81 ug/L	99
120) n-butylbenzene	16.12	92	250114	46.42 ug/L	98
122) 1,2-dibromo-3-chloropropan	17.03	157	25019	54.39 ug/L	96
123) 1,3,5-Trichlorobenzene	17.21	180	220156	48.46 ug/L	99
124) 1,2,4-trichlorobenzene	17.84	180	191649	51.01 ug/L	98
126) hexachlorobutadiene	17.95	225	118133	46.86 ug/L	98
127) naphthalene	18.12	128	363447	53.29 ug/L	100
128) 1,2,3-trichlorobenzene	18.36	180	172378	51.52 ug/L	100
129) hexachloroethane	16.50	119	95225	46.18 ug/L	99
130) Benzyl chloride	15.98	91	271328	50.16 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y158714.D
Acq On : 8 Nov 2015 5:48 pm
Operator : prashans
Sample : ICV6930-50
Misc : MS94020,VY6930,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 10 11:05:54 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y159821.D
Acq On : 20 Dec 2015 10:59 am
Operator : prashans
Sample : CC6930-20
Misc : MS96302,VY6974,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 15:37:56 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.24	65	97089	500.00	ug/L	-0.03
4) pentafluorobenzene	9.46	168	192694	50.00	ug/L	-0.02
53) 1,4-difluorobenzene	10.38	114	242435	50.00	ug/L	-0.02
83) chlorobenzene-d5	13.52	117	195625	50.00	ug/L	-0.01
98) 1,4-dichlorobenzene-d4	15.83	152	106997	50.00	ug/L	0.00

System Monitoring Compounds

45) dibromofluoromethane (s)	9.52	113	82869	49.62	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 122		Recovery = 99.24%			
46) 1,2-dichloroethane-d4 (s)	9.94	65	86944	52.74	ug/L	-0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 105.48%			
75) toluene-d8 (s)	12.02	98	287266	52.48	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.96%			
100) 4-bromofluorobenzene (s)	14.67	95	112534	47.43	ug/L	0.00
Spiked Amount 50.000	Range 72 - 130		Recovery = 94.86%			

Target Compounds

						Qvalue
2) 1,4-dioxane	11.11	88	9365	437.40	ug/L	96
3) tertiary butyl alcohol	7.35	59	24913	98.89	ug/L	77
6) chlorodifluoromethane	3.90	51	40061	24.80	ug/L	98
7) dichlorodifluoromethane	3.89	85	46723	21.29	ug/L	94
8) chloromethane	4.18	50	54543	21.41	ug/L	96
9) vinyl chloride	4.46	62	46589	21.09	ug/L	95
11) bromomethane	5.10	94	31186	21.68	ug/L	96
12) chloroethane	5.28	64	22589	21.83	ug/L	99
14) trichlorofluoromethane	5.71	101	48296	20.76	ug/L	92
15) ethyl ether	6.12	74	17312	21.62	ug/L	95
16) 2-chloropropane	6.33	63	13798	20.94	ug/L	91
17) acrolein	6.39	56	77173	237.51	ug/L	95
18) 1,1-dichloroethene	6.55	61	48653	20.45	ug/L	94
19) acetone	6.60	58	2880	21.90	ug/L #	72
20) allyl chloride	7.09	76	18234	21.46	ug/L	87
21) acetonitrile	7.08	41	106466	261.81	ug/L	94
22) iodomethane	6.84	142	57184	20.73	ug/L	99
23) carbon disulfide	6.96	76	114463	20.36	ug/L	97
24) 1-chloropropane	7.30	42	63540	21.00	ug/L #	96
25) methylene chloride	7.28	49	61151	23.32	ug/L	88
26) methyl acetate	7.06	43	23806	24.97	ug/L	94
27) methyl tert butyl ether	7.60	73	112831	23.72	ug/L	96
28) trans-1,2-dichloroethene	7.64	61	51183	21.16	ug/L	97
29) di-isopropyl ether	8.19	45	135321	23.91	ug/L	96
30) ethyl tert-butyl ether	8.65	59	126146	23.76	ug/L	96
31) 2-butanone	8.93	72	3152	20.80	ug/L #	38
32) 1,1-dichloroethane	8.21	63	63606	21.11	ug/L	96
33) chloroprene	8.31	53	45170	21.96	ug/L	91
34) acrylonitrile	7.61	53	62753	129.84	ug/L	98
35) vinyl acetate	8.20	86	4580	19.74	ug/L	97
36) ethyl acetate	8.93	45	4153	23.56	ug/L	93
37) 2,2-dichloropropane	8.96	77	56926	21.34	ug/L	97
38) cis-1,2-dichloroethene	8.95	98	23717	20.98	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y159821.D
Acq On : 20 Dec 2015 10:59 am
Operator : prashans
Sample : CC6930-20
Misc : MS96302,VY6974,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 15:37:56 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) propionitrile	9.03	54	48888	267.41 ug/L	94
40) bromochloromethane	9.27	130	22022	21.39 ug/L	87
41) tetrahydrofuran	9.30	72	3938	23.57 ug/L	88
42) chloroform	9.32	83	60723	20.40 ug/L	96
43) tert-Butyl Formate	9.35	59	31876	24.63 ug/L	95
44) isobutyl alcohol	9.76	41	13844	253.31 ug/L #	96
47) freon 113	6.52	151	24671	24.96 ug/L	78
48) methacrylonitrile	9.20	67	11755	22.74 ug/L #	76
49) 1,1,1-trichloroethane	9.57	97	53973	21.59 ug/L	98
50) Cyclohexane	9.64	84	50517	20.70 ug/L	93
51) 2,2,4-trimethylpentane	9.99	57	116294	19.99 ug/L	99
52) tert-amyl methyl ether	10.03	73	110356	22.76 ug/L	96
54) epichlorohydrin	11.65	57	13960	117.39 ug/L	93
55) n-butyl alcohol	10.51	56	54036	1265.91 ug/L	90
56) carbon tetrachloride	9.77	117	47755	24.27 ug/L	98
57) 1,1-dichloropropene	9.75	75	39253	19.73 ug/L	95
58) hexane	7.93	57	36005	23.82 ug/L	97
60) benzene	10.01	78	131027	20.52 ug/L	97
61) heptane	10.17	57	21519	21.88 ug/L	97
62) isopropyl acetate	9.93	61	13933	25.46 ug/L	93
63) 1,2-dichloroethane	10.03	62	43866	23.97 ug/L	99
64) trichloroethene	10.72	95	31650	20.73 ug/L	97
66) 2-nitropropane	11.50	41	9987	23.18 ug/L #	40
67) 2-chloroethyl vinyl ether	11.51	63	66798	98.26 ug/L	99
68) methyl methacrylate	10.99	69	18730	22.97 ug/L	96
69) 1,2-dichloropropane	11.00	63	36412	23.05 ug/L	98
70) methylcyclohexane	10.94	83	54097	23.32 ug/L	97
72) dibromomethane	11.15	93	20216	22.79 ug/L	98
73) bromodichloromethane	11.28	83	45898	22.80 ug/L	96
74) cis-1,3-dichloropropene	11.73	75	51063	21.18 ug/L	96
76) 4-methyl-2-pentanone	11.83	58	12290	25.69 ug/L	94
77) toluene	12.10	91	120991	19.91 ug/L	100
78) 3-methyl-1-butanol	11.85	70	18389	486.94 ug/L	96
79) trans-1,3-dichloropropene	12.30	75	45807	21.89 ug/L	98
80) ethyl methacrylate	12.28	69	35947	23.47 ug/L	92
81) 1,1,2-trichloroethane	12.51	83	22397	22.84 ug/L	95
82) 2-hexanone	12.68	58	9578	23.82 ug/L	89
84) tetrachloroethene	12.68	166	29408	21.06 ug/L	97
85) 1,3-dichloropropane	12.69	76	41534	21.26 ug/L	99
86) butyl acetate	12.75	56	17459	22.51 ug/L	95
87) dibromochloromethane	12.95	129	31765	22.16 ug/L	96
88) 1,2-dibromoethane	13.10	107	25541	22.07 ug/L	95
89) 3,3-Dimethyl-1-Butanol	12.84	57	33411	233.54 ug/L	99
90) n-butyl ether	13.46	57	135293	19.75 ug/L	99
91) chlorobenzene	13.56	112	77662	20.43 ug/L	95
92) 1,1,1,2-tetrachloroethane	13.62	131	35570	23.67 ug/L	99
93) ethylbenzene	13.61	91	135547	19.39 ug/L	98
94) m,p-xylene	13.72	106	102630	40.74 ug/L	97
95) o-xylene	14.13	91	120477	19.75 ug/L	98
96) styrene	14.14	104	88124	20.99 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y159821.D
Acq On : 20 Dec 2015 10:59 am
Operator : prashans
Sample : CC6930-20
Misc : MS96302,VY6974,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 15:37:56 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration

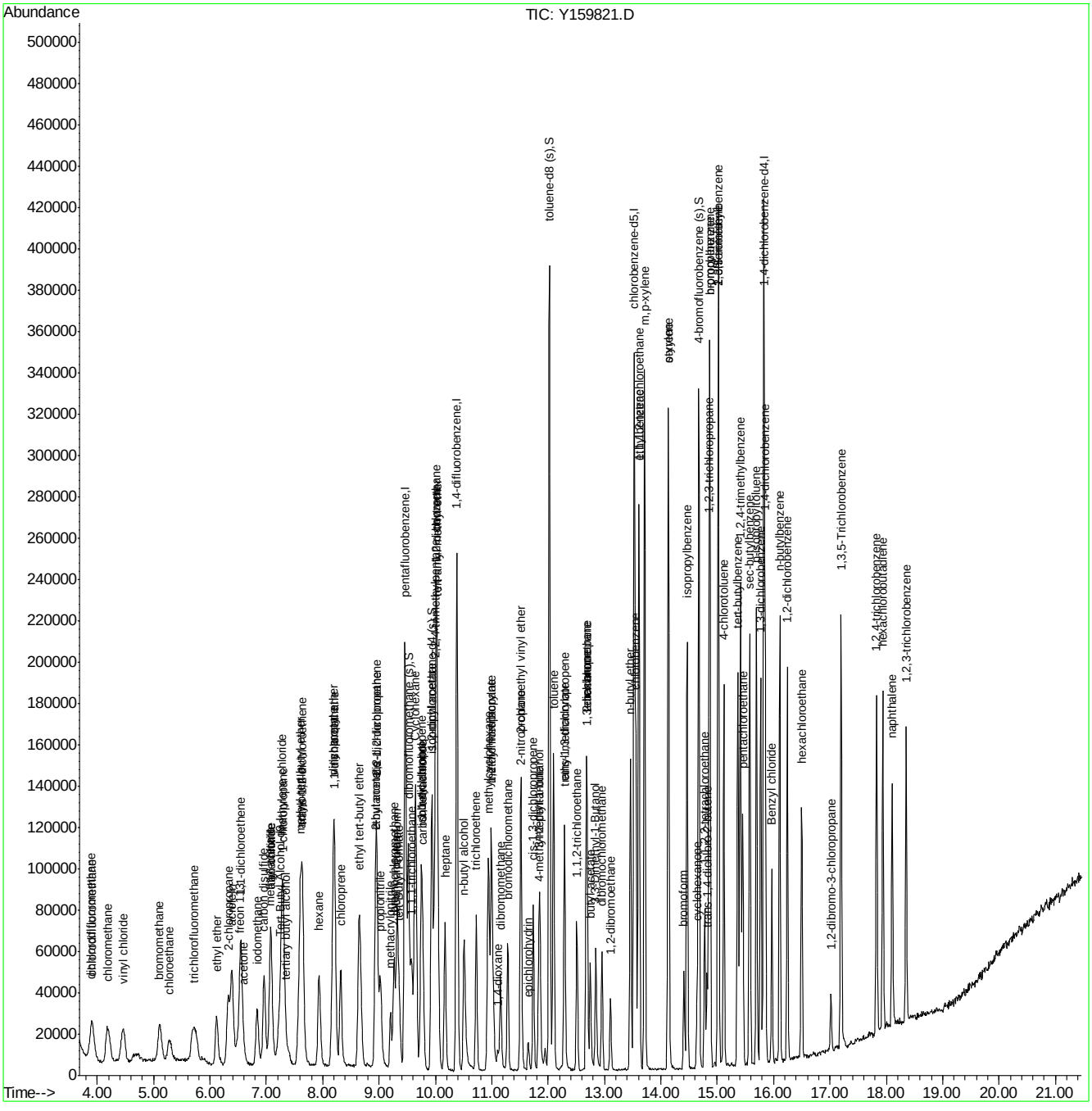
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
97) bromoform	14.41	173	23386	26.04 ug/L	93
99) isopropylbenzene	14.46	105	140983	18.23 ug/L	98
102) bromobenzene	14.87	156	39750	20.49 ug/L	93
103) cyclohexanone	14.64	55	15592	73.26 ug/L	97
104) 1,1,2,2-tetrachloroethane	14.78	83	38747	19.78 ug/L	97
105) trans-1,4-dichloro-2-buten	14.81	53	9420	19.68 ug/L	87
106) 1,2,3-trichloropropane	14.85	110	9338	22.09 ug/L	94
107) n-propylbenzene	14.87	91	164501	18.12 ug/L	98
109) 2-chlorotoluene	15.02	126	36575	19.67 ug/L	99
110) 4-chlorotoluene	15.12	91	110283	17.89 ug/L	99
111) 1,3,5-trimethylbenzene	15.02	105	128365	19.21 ug/L	99
112) tert-butylbenzene	15.36	119	96941	18.64 ug/L	95
113) pentachloroethane	15.45	167	26686	21.90 ug/L	96
114) 1,2,4-trimethylbenzene	15.41	105	132045	19.29 ug/L	96
115) sec-butylbenzene	15.58	105	156666	18.20 ug/L	97
116) 1,3-dichlorobenzene	15.77	146	80097	20.33 ug/L	97
117) p-isopropyltoluene	15.70	119	132431	18.77 ug/L	98
118) 1,4-dichlorobenzene	15.85	146	77674	19.85 ug/L	97
119) 1,2-dichlorobenzene	16.25	146	79472	21.32 ug/L	98
120) n-butylbenzene	16.11	92	69064	17.29 ug/L	96
122) 1,2-dibromo-3-chloropropan	17.02	157	8253	24.20 ug/L	95
123) 1,3,5-Trichlorobenzene	17.19	180	70340	20.88 ug/L	99
124) 1,2,4-trichlorobenzene	17.83	180	53479	19.20 ug/L	98
126) hexachlorobutadiene	17.94	225	40111	21.46 ug/L	96
127) naphthalene	18.10	128	91198	18.03 ug/L	99
128) 1,2,3-trichlorobenzene	18.35	180	48951	19.73 ug/L	98
129) hexachloroethane	16.50	119	27456	17.96 ug/L	89
130) Benzyl chloride	15.97	91	66698	16.63 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y159821.D
Acq On : 20 Dec 2015 10:59 am
Operator : prashans
Sample : CC6930-20
Misc : MS96302,VY6974,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 15:37:56 2015
Quant Method : C:\MSDCHEM\1\METHODS\MYS6930.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Nov 10 11:05:21 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC10922

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VU9209

Print Analyst Name: Nicole Horwath

Date: 10/22/15

Analyst Signature: [signature]

Columns: ZB624 (60m x 0.25mm x 1.4)

Method V8260C

Initial Cal. Method MU9209

Standard Data

Lot #	Description	Conc.
V015219	142.2 Ext A	100ppm
V015219	139.2 Ext B	100ppm
V015219	135.1 Ext C	100ppm
V015219	124.5 Acrolein	1000ppm
V015219	131.1 Hexane	100ppm

Standard Data

Lot #	Description	Conc.
V015219	139.0 Std A	100ppm
V015219	147.8 Std B	100ppm
V015219	149.2 Std C	100ppm
V015219	95.7 Acrolein	1000ppm
V015219	143 IS	25ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] **Date:** 10/23/15

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	U199947	BFB											OK		
	199948	IC9209-0.2	8260 initial	AQ			5		1x		✓	✓	OK	0.2ul Std ABC ACR → 100mL	
	199949	IC9209-0.5	✓	AQ			5		1x		✓	✓	OK	0.5ul Std ABC ACR → 100mL	
	199950	IC9209-1	✓	AQ			5		1x		✓	✓	OK	1ul Std ABC ACR → 100mL	
	199951	IC9209-2	✓	AQ			5		1x		✓	✓	OK	2ul Std ABC ACR → 100mL	
	199952	IC9209-5	✓	AQ			5		1x		✓	✓	OK	5ul Std ABC ACR → 100mL	
	199953	IC9209-10	✓	AQ			5		1x		✓	✓	OK	10ul Std ABC ACR → 100mL	
	199954	IC9209-20	✓	AQ			5		1x		✓	✓	OK	20ul Std ABC ACR → 100mL	
	199955	IC9209-50	✓	AQ			5		1x		✓	✓	OK	50ul Std ABC ACR → 100mL	
	199956	IC9209-100	✓	AQ			5		1x		✓	✓	OK	100ul Std ABC ACR → 100mL	
	199957	IC9209-200	✓	AQ			5		1x		✓	✓	OK	200ul Std ABC ACR → 100mL	
	199958	IB					5		1x						
	199959	IB					5		1x						
	199960	ICV9209-50	✓	AQ			5		1x		✓	✓	OK	50ul Ext ABC ACR Hex → 100mL	
	199961	IB.													

HJJ 10/23/15

MTX = Matrix Designate W for water, S for soil, O for oil. ~~L+ = Library Search.~~ IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VU9293

Print Analyst Name: Nicole Horvath

Analyst Signature: Nicole H

Columns: ZB624 (60m x 0.25mm x 1.4um)

Method V8260C

Initial Cal. Method MU9209

Date: 12/22/15

pH paper 212713 exp 5/01/16

Standard Data

Lot #	Description	Conc.
V0152213	128.6 Ext A	100ppm
V0152213	120.17 Ext B	100ppm
V0152213	122.8 Ext C	100ppm
V0152213	116.8 Acrolein	1000ppm
V0152213	124.2 Hexane	100ppm

Standard Data

Lot #	Description	Conc.
V0152213	101.18 Std A	100ppm
V0152213	125.15 Std B	100ppm
V0152213	132.4 Std C	100ppm
V0152213	71.11 Acrolein	1000ppm
V0152213	123 IS	250/2500ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: HS Date: 12/23/15

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	U 201917	BFB											OC	7:48pm	
	201918	CC9209-50									/	/	CC	25ul Std ABC, ACR → 50mL 4U	
	201919	IB									/	/			
	201920	MB									/	/	CC		
	201921	BS									/	/	CC	25ul Ext ABC, ACR, Hex → 50mL	
	201922	JC10827-1 MS	96224 TCL20+ TBA	GW	2		2/50		25X		/	/	CC	25ul Ext ABC ACR Hex → 50mL	✓
	201923	JC10827-1 MSD	↓	GW	2		2/50		25X		/	/	CC		✓
	201924	IB					5		1X		/	/			
	201925	JC10827-1	↓	GW	2		2/50		25X		/	/	CC		✓
FD	201926	JC10827-1	↓	GW	2		0.2/50		250X		/	/	CC	+"U201925"	✓
	201927	JC10926-3	96348 PDTCL42+MP+ TRAWADDAY	WTB	1		5		1X		/	/	CC		✓
	201928	JC10922-7	96305 TCL20	STB	1		5		1X		/	/	CC		✓
	201929	JC10929-5	TCL20+	STB	2		5		1X		/	/	CC		✓
	201930	JC10943-5	↓	STB	11		5		1X		/	/	CC		✓
	201931	JC10943-6	↓	STB	1		5		1X		/	/	CC		✓
	201932	JC10948-4	TCE, VC	GW	2		5		1X		/	/	CC		✓
	201933	JC10947-1	96296 PDTCL42 124TMB 135TMB NAP	GW	2		5		1X		/	/	CC		✓

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VU9293

Print Analyst Name: Nicole Horvath

Analyst Signature: [signature]

Columns: ZB624 (60m×0.25mm×1.4um)

Method V8260C

Initial Cal. Method MU9209

Date: 12/27/15

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See PG 163	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] **Date:** 12/23/15

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	~~Secondary~~ dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	4 201934	JC10947-2	96296 PPTCL42	GW	2		5		1X		✓	✓	~~RP~~ ~~RR~~	NP 12/22 matrix c/o	✓
	201935	JC10947-3	124TMB, 135 TMB, NAP ✓	GW	2		5		1X		✓	✓	CC		✓
	201936	JC10947-4	✓	GW	2		5		1X		✓	✓	FD	5X	✓
	201937	JC11054-1	96404 TCL201	GW	1		5		1X		✓	✓	CC		✓
	201938	JC11026-1	96348 PPTCL42+	EF	3		5		1X		✓	✓	CC		✓
FD	201939	JC11026-1	mpxyl, nap oxyl, TBA ✓	EF	3		5/50		10X		✓	✓	CC	+"U201938" 6:32am	✓

NP 12/22

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VV6633

Date: 10/28/2015

Print Analyst Name: AUSTIN PARK

Analyst Signature: [signature]

Columns: ZB624 (60mx0.25mmx1.4um)

Method V8260C

Initial Cal. Method MVS6633

Standard Data

Lot #	Description	Conc.
015-2179-132.6	A	100ppm
015-2179-147.5	B	100ppm
015-2213-03.3	C	100ppm
015-2179-123	I/S	200/200ppm
015-2179-130.14	ACROLEIN	10000ppm

Standard Data

Lot #	Description	Conc.
015-2179-142.1	EXT-A	100ppm
015-2179-132.32	EXT-B	100ppm
015-2218-03.4	EXT-C	100ppm
015-2179-150.3	EXT-ACROLEIN	10000ppm
015-2179-148.9	EXT-HEXANE	100ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] **Date:** 10/29/15

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	V156927	BFB				1							ok	time 1702	
	156928	IC6633-0.2	8260 Initial calibration	SO		2	5						not used	0.2ml STD. ABC ACROLEIN / 100ml D.I. H2O.	
	156929	IC6633-0.5	✓	SO		3	5				✓	✓	ok	0.5ml STD. ABC ACROLEIN / 100ml D.I. H2O	
	156930	IC6633-1	✓	SO		4	5				✓	✓	ok	1ml STD. ABC ACROLEIN / 100ml D.I. H2O	
	156931	IC6633-2	✓	SO		5	5				✓	✓	ok	2ml STD. ABC ACROLEIN / 100ml D.I. H2O	
	156932	IC6633-4	✓	SO		6	5				✓	✓	ok	4ml STD. ABC ACROLEIN / 100ml D.I. H2O	
	156933	IC6633-8	✓	SO		7	5				✓	✓	ok	8ml STD. ABC ACROLEIN / 100ml D.I. H2O	
	156934	IC6633-20	✓	SO		8	5				✓	✓	ok	20ml STD. ABC ACROLEIN / 100ml D.I. H2O	
	156935	IC6633-50	✓	SO		9	5				✓	✓	ok	50ml STD. ABC ACROLEIN / 100ml D.I. H2O	
	156936	IC6633-100	✓	SO		10	5				✓	✓	ok	100ml STD. ABC ACROLEIN / 100ml D.I. H2O	
	156937	IC6633-200	✓	SO		11	5				✓	✓	ok	200ml STD. ABC ACROLEIN / 100ml D.I. H2O	
	156938	IB				12							c/o		
	156939	IB				13							c/o		
	156940	ICV6633-50	✓	SO		14	5				✓	✓	ok	50ml EXT. ABC + HEX / 100ml D.I. H2O EXT. ACROLEIN	
	156941	IB				15							c/o		

10/29/15

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: ~~VV6~~ VV6686 (BM 12/18)

Print Analyst Name: Ben Mandu

Analyst Signature: BM

Columns: ZB624

Method V8260C

Initial Cal. Method MVS6633

Date: 12/18/15 (Fri)

Standard Data

Lot #	Description	Conc.
	see page 273	

Standard Data

Lot #	Description	Conc.
	see page 273	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ Date: 12/30/2015

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	V158446	DC10944-5	96244 TCL20	S	5	18	5.1				✓		OK		
	158447	DC10944-6	✓	S	5	19	4.9				✓		OK		
	158448	DC10944-9	✓	S	5	20	4.3				✓		OK		
	158449	DC10944-14	✓	S	5	21	4.6				✓		OK		
	158450	DC10922-1	96266 TCL20	S	4	22	6.0				✓		OK		
	158451	DC10922-2	✓	S	4	23	6.2				✓		OK	6:44 p.m	
	158452	BFB2				24							OK	7:12 p.m.	
	158453	CL 6633-50				25					✓		OK	50µl AVG conc / 100µl HSL	
	158454	IB				26							—		
	158455	MB2				27					✓		OK		
	158456	DC10922-3	96266 TCL20	S	4	28	4.9				✓		OK		
	158457	DC10922-4	✓	S	4	29	4.1				✓		OK		
	158458	DC10922-5	✓	S	4	30	6.2				✓		OK		
	158459	DC10922-6	✓	S	4	31	4.9				✓		RR	12/20 Y-CORE	
	158460	DC10943-1	96248 TCL20	S	4	32	5.8				✓		OK		
	158461	DC10943-2	✓	S	4	33	5.8				✓		OK	11:28 PM	
	158462	IB				34							40		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate. Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result. All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VY 6930

Print Analyst Name: Prashant B Shukla

Analyst Signature:

Columns: 28 6m (60mX0.25mmX1.4µm)

Method V 8260

Initial Cal. Method MYS 6930

Date: 11/8/15

Standard Data

Lot #	Description	Conc.
2179-139	Std A	100 PPM
2179-147	Std B	100 PPM
2213-30	Std C	100 PPM
2213-11	Acrolein	1000 PPM
2213-29	Int Surr.	250 PPM

Standard Data

Lot #	Description	Conc.
2179-142	Ext A	100 PPM
2213-24	Ext B	100 PPM
2213-18	Ext C	100 PPM
2213-26	Ext Naphthalene	100 PPM
2213-15	Ext Acrolein	1000 PPM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: **Date:** 11/9/15

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	158701	BFB	TUNE	S		1	5.0						OK	11.33 AM	
	158702	IC6930-0.2	IC 8260	S		2	5.0						OK	1ml STD A,B,C,AC / 500ml DI H2O	
	158703	IC6930-0.5	IC 8260	S		3	5.0						OK	1ml STD A,B,C,AC / 200ml DI H2O	
	158704	IC6930-1	IC 8260	S		4	5.0						OK	1ml STD A,B,C, 200ml AC / 100ml DI H2O	
	158705	IC6930-2	IC 8260	S		5	5.0						OK	2ml STD A,B,C, 100ml AC / 100ml DI H2O	
	158706	IC6930-4	IC 8260	S		6	5.0						OK	4ml STD A,B,C,AC / 100ml DI H2O	
	158707	IC6930-8	IC 8260	S		7	5.0						OK	8ml STD A,B,C,AC / 50ml DI H2O	
	158708	IC6930-20	IC 8260	S		8	5.0						OK	10ml STD A,B,C,AC / 50ml DI H2O	
	158709	IC6930-50	IC 8260	S		9	5.0						OK	20ml STD A,B,C,AC / 50ml DI H2O	
	158710	IC6930-100	IC 8260	S		10	5.0						OK	50ml STD A,B,C, 0.5ml AC / 50ml DI H2O	
	158711	IC6930-200	IC 8260	S		11	5.0						OK	100ml STD A,B,C, 1ml AC / 50ml DI H2O	
	158712	IB		S		12	5.0						—		
	158713	IB		S		13	5.0						—		
	158714	ICV 6930-50	ICV 8260	S		14	5.0						OK	20ml Ext A,B,C,AC, Nap / 50ml DI H2O	
	158715	IB		S		15	5.0						—		

11/8/15

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VY6974

Print Analyst Name: Prashant B Shukla

Analyst Signature:

Columns: ZB624 (60mx0.25mmx1.4um)

Method V8260C

Initial Cal. Method MVS6930

Date: 12/20/15

Standard Data

Lot #	Description	Conc.
015-2213-101	(11) STD A	100 PPM
015-2213-125	(12) STD B	100 PPM
015-2213-126	(13) STD C	100 PPM
015-2213-71	(63) Acrolein	1000 PPM
015-2213-123	Int Stdy.	25000 PPM

Standard Data

Lot #	Description	Conc.
015-2213-87	(10) EPA A	100 PPM
015-2213-120	(9) EPA B	100 PPM
015-2213-122	(6) EPA C	100 PPM
015-2213-124	(7) EPA Haz.	100 PPM
015-2213-116	(8) EPA Acrolein	1000 PPM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ **Date:** 12/21/15

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	159818	BFB				1							Not used	9.02 AM	
	159819	CC6930-20				2							NC	10ul std A,B,C,AC / 50ml DI H2O	
	159820	BFB				1	5						OK	10.26 AM	
	159821	CC6930-20				2	5				✓		OK	10ul std A,B,C,AC / 50ml DI H2O	
	159822	IB				3							OK		
	159823	MB				4	5				✓		OK		
	159824	BS				5	5				✓		OK	20ul EPA A,B,C,AC,Haz / 50ml DI H2O	
	159825	JC10993-1 MS HB	MS96209 TCL20, NAP	SO	2	6	4.5				✓		OK	20ul EPA A,B,C,AC, Haze in sample	
	159826	JC10993-1 MSD	✓	SO	2	7	4.5				✓		OK	↓	
	159827	IB				8							OK		
	159828	JC10993-1	✓	SO	2	9	4.8				✓		OK		
R	159829	JC10850-3	MS96173 TCL20+	SOIL	7	10	5.1				✓		OK		
R	159830	JC10922-6	MS96266 TCL20	SOIL	5	11	4.6				✓	↓	OK	Comb with 'V'	
R	159831	JC10943-3	MS96245 TCL20+	SOIL	5	12	4.7				✓		OK		
	159832	JC10943-4	✓	SOIL	4	13	5.5				✓		OK		
	159833	JC10959-1	MS96302 NSPTCL11+	SOIL	5	14	5.7				✓		RC	Lot # 70	3V 1121
	159834	JC10959-3	✓	SOIL	5	15	6.4				✓		RC	Lot # 70	↓

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VY6974

Print Analyst Name: Prashant B Shukla

Analyst Signature:

Date: 12/20/15

Columns: 28/624 (60m x 0.25mm x 1.4 µm)

Method V 8260C

Initial Cal. Method MYS6930

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
Prep	# 24	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ **Date:** 12/21/15

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	159835	JC10959-4	MS96302 NOPTCLIST	S L	5	16	6.1				✓		DL	SME in blank	
	159836	JC10959-6	✓	S L	5	17	4.4				✓		RR	hit of #70	
	159837	JC10959-8	✓	S L	5	18	5.8				✓		RR	hit of #70	
	159838	JC10959-9	✓	S L	5	19	6.1				✓		RR	hit of #76	
	159839	JC10959-10	✓	S L	5	20	4.5				✓		RR	hit of #70, 76	
	159840	JC10993-3	MS96309 TCLEO, NAP	S O	2	21	4.9				✓		ok		
	159841	JC10993-4	✓	S O	2	22	4.9				✓		ok		
	159842	JC10993-5	✓	S O	2	23	4.8				✓		ok		
	159843	JC10993-6	✓	S O	2	24	4.5				✓		ok		
	159844	JC10993-7	✓	S O	2	25	4.7				✓		ok	10:01 pm	
	159845	IB				26							No		
	159846	BFB 2				27							OK	10:58 pm	
	159847	CC 6930-50				28							OK	1ml std A,B,C,D / 10ml H2O	
	159848	IB				29							No		
	159849	MB 2				30					✓		OK		
	159850	JC10621-11	MS96185 BENZ	S L	4	31	4.4				✓		OK		
	159851	JC10621-12	✓	S L	4	32	4.3				✓		ok		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VY6974

Print Analyst Name: Prashant B Shukla

Analyst Signature: [signature]

Columns: 2B 624/60m X 0.25mm X 1.4µm)

Method V 8260 C

Initial Cal. Method MYS6930

Date: 12/20/15

Standard Data		
Lot #	Description	Conc.
	See	

Standard Data		
Lot #	Description	Conc.
	Page # 2h7	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 12/21/15

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	Y														
	159852	R10621-13	MS 96185 BENZ	W	h	33	4.8				W		ok		
	159853	13				34									

12/20/15

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike-outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

New Jersey

ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JC10922
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: JC10922-1 **Analyzed:** 18-DEC-15 by KP **Method:** SM2540 G-97
ClientID: SB-10 (0'-2')

Wet Weight (Total)	26.82	g
Tare Weight	18.91	g
Dry Weight (Total)	25.72	g
Solids, Percent	86.1	%

Sample: JC10922-2 **Analyzed:** 18-DEC-15 by KP **Method:** SM2540 G-97
ClientID: SB-11 (0'-2')

Wet Weight (Total)	31.84	g
Tare Weight	25.56	g
Dry Weight (Total)	30.75	g
Solids, Percent	82.6	%

Sample: JC10922-3 **Analyzed:** 18-DEC-15 by KP **Method:** SM2540 G-97
ClientID: SB-12 (0'-2')

Wet Weight (Total)	27.82	g
Tare Weight	20.85	g
Dry Weight (Total)	26.73	g
Solids, Percent	84.4	%

Sample: JC10922-4 **Analyzed:** 18-DEC-15 by KP **Method:** SM2540 G-97
ClientID: SB-1201 (0'-2')

Wet Weight (Total)	29.34	g
Tare Weight	23.68	g
Dry Weight (Total)	28.14	g
Solids, Percent	78.8	%

Sample: JC10922-5 **Analyzed:** 18-DEC-15 by KP **Method:** SM2540 G-97
ClientID: SB-13 (0'-2')

Wet Weight (Total)	29.47	g
Tare Weight	23.47	g
Dry Weight (Total)	28.63	g
Solids, Percent	86	%

Sample: JC10922-6 **Analyzed:** 18-DEC-15 by KP **Method:** SM2540 G-97
ClientID: SB-14 (0'-2')

Wet Weight (Total)	29.18	g
Tare Weight	21.67	g
Dry Weight (Total)	28.55	g
Solids, Percent	91.6	%

Appendix F

Laboratory Data Deliverables for Soil Vapor Analytical Data

New Jersey
ACCUTEST LABORATORIES

11/09/15

Technical Report for

Equity Environmental Engineering

Procida, 105 South 5th Street, Brooklyn, NY

2014074

Accutest Job Number: JC7272

Sampling Date: 10/28/15

Report to:

Equity Environmental Engineering
500 International Drive Suite 150
Mount Olive, NJ 07828
bob.jackson@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **706**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Accutest Laboratories

Sample Summary

Equity Environmental Engineering

Job No: JC7272

Procida, 105 South 5th Street, Brooklyn, NY
Project No: 2014074

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC7272-1	10/28/15	14:28 FM	10/28/15	AIR	Soil Vapor Comp.	SG-5
JC7272-2	10/28/15	14:41 FM	10/28/15	AIR	Soil Vapor Comp.	SG-4
JC7272-3	10/28/15	14:59 FM	10/28/15	AIR	Soil Vapor Comp.	SG-6
JC7272-4	10/28/15	10:46 FM	10/28/15	AIR	Soil Vapor Comp.	SG-1
JC7272-5	10/28/15	10:50 FM	10/28/15	AIR	Soil Vapor Comp.	SG-2
JC7272-6	10/28/15	10:54 FM	10/28/15	AIR	Soil Vapor Comp.	SG-3

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Equity Environmental Engineering	**Job No**	JC7272
Site:	Procida, 105 South 5th Street, Brooklyn, NY	**Report Date**	11/6/2015 8:27:22 AM

On 10/28/2015, 6 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC7272 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix: AIR **Batch ID:** V3W1930

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7415-1DUP were used as the QC samples indicated.

Matrix: AIR **Batch ID:** VW2086

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7140-1DUP were used as the QC samples indicated.

Matrix: AIR **Batch ID:** VW2087

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC7121-1DUP were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC7272
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/28/15

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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC7272-1	**SG-5**					
Acetone		87.5	0.80	0.13	ppbv	TO-15
Benzene		7.4	0.80	0.12	ppbv	TO-15
Carbon disulfide		3.8	0.80	0.11	ppbv	TO-15
Dichlorodifluoromethane		0.63 J	0.80	0.15	ppbv	TO-15
Ethanol		7.4	2.0	0.66	ppbv	TO-15
Ethylbenzene		1.4	0.80	0.19	ppbv	TO-15
Heptane		30.7	0.80	0.12	ppbv	TO-15
Hexane		78.7	0.80	0.11	ppbv	TO-15
Isopropyl Alcohol		1.2	0.80	0.48	ppbv	TO-15
Methylene chloride		0.96	0.80	0.54	ppbv	TO-15
Methyl ethyl ketone		16.7	0.80	0.19	ppbv	TO-15
Propylene		2320	50	8.1	ppbv	TO-15
1,1,1-Trichloroethane		3.1	0.80	0.13	ppbv	TO-15
Tetrachloroethylene		8.1	0.16	0.095	ppbv	TO-15
Toluene		8.3	0.80	0.081	ppbv	TO-15
Trichloroethylene		4.0	0.16	0.10	ppbv	TO-15
Trichlorofluoromethane		1.7	0.80	0.081	ppbv	TO-15
m,p-Xylene		3.0	0.80	0.17	ppbv	TO-15
o-Xylene		1.1	0.80	0.10	ppbv	TO-15
Xylenes (total)		4.1	0.80	0.10	ppbv	TO-15
Acetone		208	1.9	0.31	ug/m3	TO-15
Benzene		24	2.6	0.38	ug/m3	TO-15
Carbon disulfide		12	2.5	0.34	ug/m3	TO-15
Dichlorodifluoromethane		3.1 J	4.0	0.74	ug/m3	TO-15
Ethanol		14	3.8	1.2	ug/m3	TO-15
Ethylbenzene		6.1	3.5	0.83	ug/m3	TO-15
Heptane		126	3.3	0.49	ug/m3	TO-15
Hexane		277	2.8	0.39	ug/m3	TO-15
Isopropyl Alcohol		2.9	2.0	1.2	ug/m3	TO-15
Methylene chloride		3.3	2.8	1.9	ug/m3	TO-15
Methyl ethyl ketone		49.3	2.4	0.56	ug/m3	TO-15
Propylene		3990	86	14	ug/m3	TO-15
1,1,1-Trichloroethane		17	4.4	0.71	ug/m3	TO-15
Tetrachloroethylene		55	1.1	0.64	ug/m3	TO-15
Toluene		31	3.0	0.31	ug/m3	TO-15
Trichloroethylene		21	0.86	0.54	ug/m3	TO-15
Trichlorofluoromethane		9.6	4.5	0.46	ug/m3	TO-15
m,p-Xylene		13	3.5	0.74	ug/m3	TO-15
o-Xylene		4.8	3.5	0.43	ug/m3	TO-15
Xylenes (total)		18	3.5	0.43	ug/m3	TO-15

Summary of Hits

Job Number: JC7272
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/28/15

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC7272-2	**SG-4**					
Acetone		46.4	0.80	0.13	ppbv	TO-15
Benzene		1.6	0.80	0.12	ppbv	TO-15
Carbon disulfide		3.2	0.80	0.11	ppbv	TO-15
1,2-Dibromoethane		5.6	0.80	0.14	ppbv	TO-15
Dichlorodifluoromethane		0.85	0.80	0.15	ppbv	TO-15
Ethanol		7.6	2.0	0.66	ppbv	TO-15
Ethylbenzene		0.48 J	0.80	0.19	ppbv	TO-15
Ethyl Acetate		0.95	0.80	0.25	ppbv	TO-15
Heptane		1.3	0.80	0.12	ppbv	TO-15
Hexane		3.1	0.80	0.11	ppbv	TO-15
Isopropyl Alcohol		1.1	0.80	0.48	ppbv	TO-15
Methylene chloride		1.2	0.80	0.54	ppbv	TO-15
Methyl ethyl ketone		5.5	0.80	0.19	ppbv	TO-15
Propylene		75.3	2.0	0.32	ppbv	TO-15
1,1,1-Trichloroethane		3.9	0.80	0.13	ppbv	TO-15
Tertiary Butyl Alcohol		1.5	0.80	0.20	ppbv	TO-15
Tetrachloroethylene		12.6	0.16	0.095	ppbv	TO-15
Toluene		1.9	0.80	0.081	ppbv	TO-15
Trichloroethylene		3.9	0.16	0.10	ppbv	TO-15
Trichlorofluoromethane		6.9	0.80	0.081	ppbv	TO-15
m,p-Xylene		1.4	0.80	0.17	ppbv	TO-15
o-Xylene		0.58 J	0.80	0.10	ppbv	TO-15
Xylenes (total)		2.0	0.80	0.10	ppbv	TO-15
Acetone		110	1.9	0.31	ug/m3	TO-15
Benzene		5.1	2.6	0.38	ug/m3	TO-15
Carbon disulfide		10	2.5	0.34	ug/m3	TO-15
1,2-Dibromoethane		43	6.1	1.1	ug/m3	TO-15
Dichlorodifluoromethane		4.2	4.0	0.74	ug/m3	TO-15
Ethanol		14	3.8	1.2	ug/m3	TO-15
Ethylbenzene		2.1 J	3.5	0.83	ug/m3	TO-15
Ethyl Acetate		3.4	2.9	0.90	ug/m3	TO-15
Heptane		5.3	3.3	0.49	ug/m3	TO-15
Hexane		11	2.8	0.39	ug/m3	TO-15
Isopropyl Alcohol		2.7	2.0	1.2	ug/m3	TO-15
Methylene chloride		4.2	2.8	1.9	ug/m3	TO-15
Methyl ethyl ketone		16	2.4	0.56	ug/m3	TO-15
Propylene		129	3.4	0.55	ug/m3	TO-15
1,1,1-Trichloroethane		21	4.4	0.71	ug/m3	TO-15
Tertiary Butyl Alcohol		4.5	2.4	0.61	ug/m3	TO-15
Tetrachloroethylene		85.4	1.1	0.64	ug/m3	TO-15
Toluene		7.2	3.0	0.31	ug/m3	TO-15
Trichloroethylene		21	0.86	0.54	ug/m3	TO-15
Trichlorofluoromethane		39	4.5	0.46	ug/m3	TO-15

Summary of Hits

Job Number: JC7272
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/28/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
m,p-Xylene		6.1	3.5	0.74	ug/m3	TO-15
o-Xylene		2.5 J	3.5	0.43	ug/m3	TO-15
Xylenes (total)		8.7	3.5	0.43	ug/m3	TO-15
JC7272-3	**SG-6**					
Acetone		23.0	0.80	0.13	ppbv	TO-15
Benzene		1.5	0.80	0.12	ppbv	TO-15
Carbon disulfide		0.50 J	0.80	0.11	ppbv	TO-15
Dichlorodifluoromethane		1.1	0.80	0.15	ppbv	TO-15
Ethanol		5.1	2.0	0.66	ppbv	TO-15
Ethylbenzene		0.39 J	0.80	0.19	ppbv	TO-15
Hexane		0.59 J	0.80	0.11	ppbv	TO-15
Isopropyl Alcohol		0.75 J	0.80	0.48	ppbv	TO-15
Methylene chloride		0.99	0.80	0.54	ppbv	TO-15
Methyl ethyl ketone		1.9	0.80	0.19	ppbv	TO-15
Propylene		2.3	2.0	0.32	ppbv	TO-15
1,1,1-Trichloroethane		12.7	0.80	0.13	ppbv	TO-15
Tertiary Butyl Alcohol		1.9	0.80	0.20	ppbv	TO-15
Tetrachloroethylene		21.0	0.16	0.095	ppbv	TO-15
Toluene		1.3	0.80	0.081	ppbv	TO-15
Trichloroethylene		25.2	0.16	0.10	ppbv	TO-15
Trichlorofluoromethane		5.8	0.80	0.081	ppbv	TO-15
m,p-Xylene		1.0	0.80	0.17	ppbv	TO-15
o-Xylene		0.40 J	0.80	0.10	ppbv	TO-15
Xylenes (total)		1.4	0.80	0.10	ppbv	TO-15
Acetone		54.6	1.9	0.31	ug/m3	TO-15
Benzene		4.8	2.6	0.38	ug/m3	TO-15
Carbon disulfide		1.6 J	2.5	0.34	ug/m3	TO-15
Dichlorodifluoromethane		5.4	4.0	0.74	ug/m3	TO-15
Ethanol		9.6	3.8	1.2	ug/m3	TO-15
Ethylbenzene		1.7 J	3.5	0.83	ug/m3	TO-15
Hexane		2.1 J	2.8	0.39	ug/m3	TO-15
Isopropyl Alcohol		1.8 J	2.0	1.2	ug/m3	TO-15
Methylene chloride		3.4	2.8	1.9	ug/m3	TO-15
Methyl ethyl ketone		5.6	2.4	0.56	ug/m3	TO-15
Propylene		4.0	3.4	0.55	ug/m3	TO-15
1,1,1-Trichloroethane		69.3	4.4	0.71	ug/m3	TO-15
Tertiary Butyl Alcohol		5.8	2.4	0.61	ug/m3	TO-15
Tetrachloroethylene		142	1.1	0.64	ug/m3	TO-15
Toluene		4.9	3.0	0.31	ug/m3	TO-15
Trichloroethylene		135	0.86	0.54	ug/m3	TO-15
Trichlorofluoromethane		33	4.5	0.46	ug/m3	TO-15
m,p-Xylene		4.3	3.5	0.74	ug/m3	TO-15
o-Xylene		1.7 J	3.5	0.43	ug/m3	TO-15

Summary of Hits

Job Number: JC7272
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/28/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Xylenes (total)		6.1	3.5	0.43	ug/m3	TO-15
JC7272-4	**SG-1**					
Acetone		23.0	0.80	0.13	ppbv	TO-15
Benzene		0.65 J	0.80	0.12	ppbv	TO-15
Chloroform		7.0	0.80	0.12	ppbv	TO-15
Carbon tetrachloride		0.41 J	0.80	0.098	ppbv	TO-15
1,1-Dichloroethane		4.7	0.80	0.12	ppbv	TO-15
1,1-Dichloroethylene		19.2	0.80	0.11	ppbv	TO-15
Dichlorodifluoromethane		0.65 J	0.80	0.15	ppbv	TO-15
trans-1,2-Dichloroethylene		0.96	0.80	0.081	ppbv	TO-15
cis-1,2-Dichloroethylene		25.5	0.80	0.099	ppbv	TO-15
Ethanol		21.4	2.0	0.66	ppbv	TO-15
Heptane		34.6	0.80	0.12	ppbv	TO-15
Hexane		1.1	0.80	0.11	ppbv	TO-15
Isopropyl Alcohol		1.6	0.80	0.48	ppbv	TO-15
Methylene chloride		1.5	0.80	0.54	ppbv	TO-15
Methyl ethyl ketone		1.3	0.80	0.19	ppbv	TO-15
Propylene		3.7	2.0	0.32	ppbv	TO-15
1,1,1-Trichloroethane		39.0	0.80	0.13	ppbv	TO-15
2,2,4-Trimethylpentane		80.8	0.80	0.085	ppbv	TO-15
Tertiary Butyl Alcohol		2.9	0.80	0.20	ppbv	TO-15
Tetrachloroethylene		96.8	0.16	0.095	ppbv	TO-15
Toluene		1.4	0.80	0.081	ppbv	TO-15
Trichloroethylene		369	0.80	0.51	ppbv	TO-15
Trichlorofluoromethane		4.8	0.80	0.081	ppbv	TO-15
m,p-Xylene		0.70 J	0.80	0.17	ppbv	TO-15
Xylenes (total)		0.70 J	0.80	0.10	ppbv	TO-15
Acetone		54.6	1.9	0.31	ug/m3	TO-15
Benzene		2.1 J	2.6	0.38	ug/m3	TO-15
Chloroform		34	3.9	0.59	ug/m3	TO-15
Carbon tetrachloride		2.6 J	5.0	0.62	ug/m3	TO-15
1,1-Dichloroethane		19	3.2	0.49	ug/m3	TO-15
1,1-Dichloroethylene		76.1	3.2	0.44	ug/m3	TO-15
Dichlorodifluoromethane		3.2 J	4.0	0.74	ug/m3	TO-15
trans-1,2-Dichloroethylene		3.8	3.2	0.32	ug/m3	TO-15
cis-1,2-Dichloroethylene		101	3.2	0.39	ug/m3	TO-15
Ethanol		40.3	3.8	1.2	ug/m3	TO-15
Heptane		142	3.3	0.49	ug/m3	TO-15
Hexane		3.9	2.8	0.39	ug/m3	TO-15
Isopropyl Alcohol		3.9	2.0	1.2	ug/m3	TO-15
Methylene chloride		5.2	2.8	1.9	ug/m3	TO-15
Methyl ethyl ketone		3.8	2.4	0.56	ug/m3	TO-15
Propylene		6.4	3.4	0.55	ug/m3	TO-15

Summary of Hits

Job Number: JC7272
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/28/15

3

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
1,1,1-Trichloroethane	213	4.4	0.71	ug/m3	TO-15
2,2,4-Trimethylpentane	377	3.7	0.40	ug/m3	TO-15
Tertiary Butyl Alcohol	8.8	2.4	0.61	ug/m3	TO-15
Tetrachloroethylene	656	1.1	0.64	ug/m3	TO-15
Toluene	5.3	3.0	0.31	ug/m3	TO-15
Trichloroethylene	1980	4.3	2.7	ug/m3	TO-15
Trichlorofluoromethane	27	4.5	0.46	ug/m3	TO-15
m,p-Xylene	3.0 J	3.5	0.74	ug/m3	TO-15
Xylenes (total)	3.0 J	3.5	0.43	ug/m3	TO-15
JC7272-5 SG-2					
Acetone	45.7	0.80	0.13	ppbv	TO-15
Benzene	0.86	0.80	0.12	ppbv	TO-15
Carbon disulfide	1.1	0.80	0.11	ppbv	TO-15
Chloroform	12.1	0.80	0.12	ppbv	TO-15
Carbon tetrachloride	0.41 J	0.80	0.098	ppbv	TO-15
1,1-Dichloroethane	7.7	0.80	0.12	ppbv	TO-15
1,1-Dichloroethylene	45.6	0.80	0.11	ppbv	TO-15
1,2-Dibromoethane	0.69 J	0.80	0.14	ppbv	TO-15
Dichlorodifluoromethane	0.68 J	0.80	0.15	ppbv	TO-15
trans-1,2-Dichloroethylene	1.5	0.80	0.081	ppbv	TO-15
cis-1,2-Dichloroethylene	58.8	0.80	0.099	ppbv	TO-15
Ethanol	17.6	2.0	0.66	ppbv	TO-15
Ethylbenzene	0.68 J	0.80	0.19	ppbv	TO-15
Heptane	0.41 J	0.80	0.12	ppbv	TO-15
Hexane	0.93	0.80	0.11	ppbv	TO-15
Isopropyl Alcohol	1.3	0.80	0.48	ppbv	TO-15
Methylene chloride	1.3	0.80	0.54	ppbv	TO-15
Methyl ethyl ketone	6.9	0.80	0.19	ppbv	TO-15
Methyl Isobutyl Ketone	1.6	0.80	0.11	ppbv	TO-15
Propylene	13.0	2.0	0.32	ppbv	TO-15
1,1,1-Trichloroethane	51.0	0.80	0.13	ppbv	TO-15
Tertiary Butyl Alcohol	2.4	0.80	0.20	ppbv	TO-15
Tetrachloroethylene	423	1.7	1.0	ppbv	TO-15
Toluene	1.2	0.80	0.081	ppbv	TO-15
Trichloroethylene	653	1.7	1.1	ppbv	TO-15
Trichlorofluoromethane	10.3	0.80	0.081	ppbv	TO-15
m,p-Xylene	2.5	0.80	0.17	ppbv	TO-15
o-Xylene	1.0	0.80	0.10	ppbv	TO-15
Xylenes (total)	3.5	0.80	0.10	ppbv	TO-15
Acetone	109	1.9	0.31	ug/m3	TO-15
Benzene	2.7	2.6	0.38	ug/m3	TO-15
Carbon disulfide	3.4	2.5	0.34	ug/m3	TO-15
Chloroform	59.1	3.9	0.59	ug/m3	TO-15

Summary of Hits

Job Number: JC7272
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/28/15

3

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Carbon tetrachloride	2.6 J	5.0	0.62	ug/m3	TO-15
1,1-Dichloroethane	31	3.2	0.49	ug/m3	TO-15
1,1-Dichloroethylene	181	3.2	0.44	ug/m3	TO-15
1,2-Dibromoethane	5.3 J	6.1	1.1	ug/m3	TO-15
Dichlorodifluoromethane	3.4 J	4.0	0.74	ug/m3	TO-15
trans-1,2-Dichloroethylene	5.9	3.2	0.32	ug/m3	TO-15
cis-1,2-Dichloroethylene	233	3.2	0.39	ug/m3	TO-15
Ethanol	33.2	3.8	1.2	ug/m3	TO-15
Ethylbenzene	3.0 J	3.5	0.83	ug/m3	TO-15
Heptane	1.7 J	3.3	0.49	ug/m3	TO-15
Hexane	3.3	2.8	0.39	ug/m3	TO-15
Isopropyl Alcohol	3.2	2.0	1.2	ug/m3	TO-15
Methylene chloride	4.5	2.8	1.9	ug/m3	TO-15
Methyl ethyl ketone	20	2.4	0.56	ug/m3	TO-15
Methyl Isobutyl Ketone	6.6	3.3	0.45	ug/m3	TO-15
Propylene	22.3	3.4	0.55	ug/m3	TO-15
1,1,1-Trichloroethane	278	4.4	0.71	ug/m3	TO-15
Tertiary Butyl Alcohol	7.3	2.4	0.61	ug/m3	TO-15
Tetrachloroethylene	2870	12	6.8	ug/m3	TO-15
Toluene	4.5	3.0	0.31	ug/m3	TO-15
Trichloroethylene	3510	9.1	5.9	ug/m3	TO-15
Trichlorofluoromethane	57.9	4.5	0.46	ug/m3	TO-15
m,p-Xylene	11	3.5	0.74	ug/m3	TO-15
o-Xylene	4.3	3.5	0.43	ug/m3	TO-15
Xylenes (total)	15	3.5	0.43	ug/m3	TO-15
JC7272-6 SG-3					
Acetone	13.3	0.80	0.13	ppbv	TO-15
Benzene	0.80	0.80	0.12	ppbv	TO-15
Carbon disulfide	0.71 J	0.80	0.11	ppbv	TO-15
Chloroform	2.9	0.80	0.12	ppbv	TO-15
1,1-Dichloroethane	1.3	0.80	0.12	ppbv	TO-15
1,1-Dichloroethylene	22.9	0.80	0.11	ppbv	TO-15
Dichlorodifluoromethane	0.81	0.80	0.15	ppbv	TO-15
cis-1,2-Dichloroethylene	3.0	0.80	0.099	ppbv	TO-15
Ethanol	7.4	2.0	0.66	ppbv	TO-15
Ethylbenzene	1.6	0.80	0.19	ppbv	TO-15
Hexane	1.1	0.80	0.11	ppbv	TO-15
Isopropyl Alcohol	0.71 J	0.80	0.48	ppbv	TO-15
Methylene chloride	1.4	0.80	0.54	ppbv	TO-15
Methyl ethyl ketone	1.0	0.80	0.19	ppbv	TO-15
Methyl Isobutyl Ketone	0.52 J	0.80	0.11	ppbv	TO-15
Methyl Tert Butyl Ether	2.4	0.80	0.10	ppbv	TO-15
Propylene	12.8	2.0	0.32	ppbv	TO-15

Summary of Hits

Job Number: JC7272
Account: Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Collected: 10/28/15

3

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
1,1,1-Trichloroethane	13.5	0.80	0.13	ppbv	TO-15
Tertiary Butyl Alcohol	1.4	0.80	0.20	ppbv	TO-15
Tetrachloroethylene	109	0.16	0.095	ppbv	TO-15
Toluene	1.3	0.80	0.081	ppbv	TO-15
Trichloroethylene	128	0.16	0.10	ppbv	TO-15
Trichlorofluoromethane	20.6	0.80	0.081	ppbv	TO-15
m,p-Xylene	6.0	0.80	0.17	ppbv	TO-15
o-Xylene	3.5	0.80	0.10	ppbv	TO-15
Xylenes (total)	9.5	0.80	0.10	ppbv	TO-15
Acetone	31.6	1.9	0.31	ug/m3	TO-15
Benzene	2.6	2.6	0.38	ug/m3	TO-15
Carbon disulfide	2.2 J	2.5	0.34	ug/m3	TO-15
Chloroform	14	3.9	0.59	ug/m3	TO-15
1,1-Dichloroethane	5.3	3.2	0.49	ug/m3	TO-15
1,1-Dichloroethylene	90.8	3.2	0.44	ug/m3	TO-15
Dichlorodifluoromethane	4.0	4.0	0.74	ug/m3	TO-15
cis-1,2-Dichloroethylene	12	3.2	0.39	ug/m3	TO-15
Ethanol	14	3.8	1.2	ug/m3	TO-15
Ethylbenzene	6.9	3.5	0.83	ug/m3	TO-15
Hexane	3.9	2.8	0.39	ug/m3	TO-15
Isopropyl Alcohol	1.7 J	2.0	1.2	ug/m3	TO-15
Methylene chloride	4.9	2.8	1.9	ug/m3	TO-15
Methyl ethyl ketone	2.9	2.4	0.56	ug/m3	TO-15
Methyl Isobutyl Ketone	2.1 J	3.3	0.45	ug/m3	TO-15
Methyl Tert Butyl Ether	8.7	2.9	0.36	ug/m3	TO-15
Propylene	22.0	3.4	0.55	ug/m3	TO-15
1,1,1-Trichloroethane	73.7	4.4	0.71	ug/m3	TO-15
Tertiary Butyl Alcohol	4.2	2.4	0.61	ug/m3	TO-15
Tetrachloroethylene	739	1.1	0.64	ug/m3	TO-15
Toluene	4.9	3.0	0.31	ug/m3	TO-15
Trichloroethylene	688	0.86	0.54	ug/m3	TO-15
Trichlorofluoromethane	116	4.5	0.46	ug/m3	TO-15
m,p-Xylene	26	3.5	0.74	ug/m3	TO-15
o-Xylene	15	3.5	0.43	ug/m3	TO-15
Xylenes (total)	41	3.5	0.43	ug/m3	TO-15

New Jersey

ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-5		
Lab Sample ID:	JC7272-1	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A509,A408	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W52229.D	1	10/30/15	YMH	n/a	n/a	VW2086
Run #2	W52255.D	50	10/30/15	YMH	n/a	n/a	VW2087

	Initial Volume
Run #1	100 ml
Run #2	200 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	87.5	0.80	0.13	ppbv		208	1.9	0.31	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.12	ppbv		ND	1.8	0.27	ug/m3
71-43-2	78.11	Benzene	7.4	0.80	0.12	ppbv		24	2.6	0.38	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.13	ppbv		ND	5.4	0.87	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.082	ppbv		ND	8.3	0.85	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.087	ppbv		ND	3.1	0.34	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.081	ppbv		ND	3.5	0.35	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.10	ppbv		ND	4.1	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	3.8	0.80	0.11	ppbv		12	2.5	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.13	ppbv		ND	3.7	0.60	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.086	ppbv		ND	2.1	0.23	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.12	ppbv		ND	1.7	0.25	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.11	ppbv		ND	2.5	0.34	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	0.67	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.098	ppbv		ND	5.0	0.62	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.13	ppbv		ND	2.8	0.45	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.12	ppbv		ND	3.2	0.49	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.11	ppbv		ND	3.2	0.44	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.14	ppbv		ND	6.1	1.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.10	ppbv		ND	3.2	0.40	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.20	ppbv		ND	3.7	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.63	0.80	0.15	ppbv	J	3.1	4.0	0.74	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.17	ppbv		ND	6.8	1.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.081	ppbv		ND	3.2	0.32	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.099	ppbv		ND	3.2	0.39	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.14	ppbv		ND	3.6	0.64	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.077	ppbv		ND	4.8	0.46	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.082	ppbv		ND	3.6	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-5		
Lab Sample ID:	JC7272-1	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A509,A408	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	7.4	2.0	0.66	ppbv		14	3.8	1.2	ug/m3
100-41-4	106.2	Ethylbenzene	1.4	0.80	0.19	ppbv		6.1	3.5	0.83	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.088	ppbv		ND	3.9	0.43	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.11	ppbv		ND	6.1	0.84	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.10	ppbv		ND	5.6	0.70	ug/m3
142-82-5	100.2	Heptane	30.7	0.80	0.12	ppbv		126	3.3	0.49	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.13	ppbv		ND	8.5	1.4	ug/m3
110-54-3	86.17	Hexane	78.7	0.80	0.11	ppbv		277	2.8	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.2	0.80	0.48	ppbv		2.9	2.0	1.2	ug/m3
75-09-2	84.94	Methylene chloride	0.96	0.80	0.54	ppbv		3.3	2.8	1.9	ug/m3
78-93-3	72.11	Methyl ethyl ketone	16.7	0.80	0.19	ppbv		49.3	2.4	0.56	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.11	ppbv		ND	3.3	0.45	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.10	ppbv		ND	2.9	0.36	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.12	ppbv		ND	3.3	0.49	ug/m3
115-07-1	42	Propylene	2320 [a]	50	8.1	ppbv		3990 [a]	86	14	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.10	ppbv		ND	3.4	0.43	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	3.1	0.80	0.13	ppbv		17	4.4	0.71	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.12	ppbv		ND	5.5	0.82	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.14	ppbv		ND	4.4	0.76	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.18	ppbv		ND	5.9	1.3	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.092	ppbv		ND	3.9	0.45	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.085	ppbv		ND	3.7	0.40	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.20	ppbv		ND	2.4	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	8.1	0.16	0.095	ppbv		55	1.1	0.64	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.17	ppbv		ND	2.4	0.50	ug/m3
108-88-3	92.14	Toluene	8.3	0.80	0.081	ppbv		31	3.0	0.31	ug/m3
79-01-6	131.4	Trichloroethylene	4.0	0.16	0.10	ppbv		21	0.86	0.54	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.7	0.80	0.081	ppbv		9.6	4.5	0.46	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.13	ppbv		ND	2.0	0.33	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.22	ppbv		ND	2.8	0.77	ug/m3
	106.2	m,p-Xylene	3.0	0.80	0.17	ppbv		13	3.5	0.74	ug/m3
95-47-6	106.2	o-Xylene	1.1	0.80	0.10	ppbv		4.8	3.5	0.43	ug/m3
1330-20-7	106.2	Xylenes (total)	4.1	0.80	0.10	ppbv		18	3.5	0.43	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	88%	65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-5		
Lab Sample ID:	JC7272-1	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A509,A408	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-4		
Lab Sample ID:	JC7272-2	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A490	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W52230.D	1	10/30/15	YMH	n/a	n/a	VW2086
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	46.4	0.80	0.13	ppbv		110	1.9	0.31	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.12	ppbv		ND	1.8	0.27	ug/m3
71-43-2	78.11	Benzene	1.6	0.80	0.12	ppbv		5.1	2.6	0.38	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.13	ppbv		ND	5.4	0.87	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.082	ppbv		ND	8.3	0.85	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.087	ppbv		ND	3.1	0.34	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.081	ppbv		ND	3.5	0.35	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.10	ppbv		ND	4.1	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	3.2	0.80	0.11	ppbv		10	2.5	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.13	ppbv		ND	3.7	0.60	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.086	ppbv		ND	2.1	0.23	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.12	ppbv		ND	1.7	0.25	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.11	ppbv		ND	2.5	0.34	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	0.67	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.098	ppbv		ND	5.0	0.62	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.13	ppbv		ND	2.8	0.45	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.12	ppbv		ND	3.2	0.49	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.11	ppbv		ND	3.2	0.44	ug/m3
106-93-4	187.9	1,2-Dibromoethane	5.6	0.80	0.14	ppbv		43	6.1	1.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.10	ppbv		ND	3.2	0.40	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.20	ppbv		ND	3.7	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.85	0.80	0.15	ppbv		4.2	4.0	0.74	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.17	ppbv		ND	6.8	1.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.081	ppbv		ND	3.2	0.32	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.099	ppbv		ND	3.2	0.39	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.14	ppbv		ND	3.6	0.64	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.077	ppbv		ND	4.8	0.46	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.082	ppbv		ND	3.6	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-4		
Lab Sample ID:	JC7272-2	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A490	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	7.6	2.0	0.66	ppbv		14	3.8	1.2	ug/m3
100-41-4	106.2	Ethylbenzene	0.48	0.80	0.19	ppbv	J	2.1	3.5	0.83	ug/m3
141-78-6	88	Ethyl Acetate	0.95	0.80	0.25	ppbv		3.4	2.9	0.90	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.088	ppbv		ND	3.9	0.43	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.11	ppbv		ND	6.1	0.84	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.10	ppbv		ND	5.6	0.70	ug/m3
142-82-5	100.2	Heptane	1.3	0.80	0.12	ppbv		5.3	3.3	0.49	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.13	ppbv		ND	8.5	1.4	ug/m3
110-54-3	86.17	Hexane	3.1	0.80	0.11	ppbv		11	2.8	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.80	0.48	ppbv		2.7	2.0	1.2	ug/m3
75-09-2	84.94	Methylene chloride	1.2	0.80	0.54	ppbv		4.2	2.8	1.9	ug/m3
78-93-3	72.11	Methyl ethyl ketone	5.5	0.80	0.19	ppbv		16	2.4	0.56	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.11	ppbv		ND	3.3	0.45	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.10	ppbv		ND	2.9	0.36	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.12	ppbv		ND	3.3	0.49	ug/m3
115-07-1	42	Propylene	75.3	2.0	0.32	ppbv		129	3.4	0.55	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.10	ppbv		ND	3.4	0.43	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	3.9	0.80	0.13	ppbv		21	4.4	0.71	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.12	ppbv		ND	5.5	0.82	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.14	ppbv		ND	4.4	0.76	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.18	ppbv		ND	5.9	1.3	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.092	ppbv		ND	3.9	0.45	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.085	ppbv		ND	3.7	0.40	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.5	0.80	0.20	ppbv		4.5	2.4	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	12.6	0.16	0.095	ppbv		85.4	1.1	0.64	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.17	ppbv		ND	2.4	0.50	ug/m3
108-88-3	92.14	Toluene	1.9	0.80	0.081	ppbv		7.2	3.0	0.31	ug/m3
79-01-6	131.4	Trichloroethylene	3.9	0.16	0.10	ppbv		21	0.86	0.54	ug/m3
75-69-4	137.4	Trichlorofluoromethane	6.9	0.80	0.081	ppbv		39	4.5	0.46	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.13	ppbv		ND	2.0	0.33	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.22	ppbv		ND	2.8	0.77	ug/m3
	106.2	m,p-Xylene	1.4	0.80	0.17	ppbv		6.1	3.5	0.74	ug/m3
95-47-6	106.2	o-Xylene	0.58	0.80	0.10	ppbv	J	2.5	3.5	0.43	ug/m3
1330-20-7	106.2	Xylenes (total)	2.0	0.80	0.10	ppbv		8.7	3.5	0.43	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: SG-6
Lab Sample ID: JC7272-3
Matrix: AIR - Soil Vapor Comp. Summa ID: A682
Method: TO-15
Project: Procida, 105 South 5th Street, Brooklyn, NY

Date Sampled: 10/28/15
Date Received: 10/28/15
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W52231.D	1	10/30/15	YMH	n/a	n/a	VW2086
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	23.0	0.80	0.13	ppbv		54.6	1.9	0.31	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.12	ppbv		ND	1.8	0.27	ug/m3
71-43-2	78.11	Benzene	1.5	0.80	0.12	ppbv		4.8	2.6	0.38	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.13	ppbv		ND	5.4	0.87	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.082	ppbv		ND	8.3	0.85	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.087	ppbv		ND	3.1	0.34	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.081	ppbv		ND	3.5	0.35	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.10	ppbv		ND	4.1	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	0.50	0.80	0.11	ppbv	J	1.6	2.5	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.13	ppbv		ND	3.7	0.60	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.086	ppbv		ND	2.1	0.23	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.12	ppbv		ND	1.7	0.25	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.11	ppbv		ND	2.5	0.34	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	0.67	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.098	ppbv		ND	5.0	0.62	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.13	ppbv		ND	2.8	0.45	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.12	ppbv		ND	3.2	0.49	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.11	ppbv		ND	3.2	0.44	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.14	ppbv		ND	6.1	1.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.10	ppbv		ND	3.2	0.40	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.20	ppbv		ND	3.7	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.1	0.80	0.15	ppbv		5.4	4.0	0.74	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.17	ppbv		ND	6.8	1.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.081	ppbv		ND	3.2	0.32	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.099	ppbv		ND	3.2	0.39	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.14	ppbv		ND	3.6	0.64	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.077	ppbv		ND	4.8	0.46	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.082	ppbv		ND	3.6	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-6		
Lab Sample ID:	JC7272-3	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A682	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	5.1	2.0	0.66	ppbv		9.6	3.8	1.2	ug/m3
100-41-4	106.2	Ethylbenzene	0.39	0.80	0.19	ppbv	J	1.7	3.5	0.83	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.088	ppbv		ND	3.9	0.43	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.11	ppbv		ND	6.1	0.84	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.10	ppbv		ND	5.6	0.70	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.12	ppbv		ND	3.3	0.49	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.13	ppbv		ND	8.5	1.4	ug/m3
110-54-3	86.17	Hexane	0.59	0.80	0.11	ppbv	J	2.1	2.8	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.75	0.80	0.48	ppbv	J	1.8	2.0	1.2	ug/m3
75-09-2	84.94	Methylene chloride	0.99	0.80	0.54	ppbv		3.4	2.8	1.9	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.9	0.80	0.19	ppbv		5.6	2.4	0.56	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.11	ppbv		ND	3.3	0.45	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.10	ppbv		ND	2.9	0.36	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.12	ppbv		ND	3.3	0.49	ug/m3
115-07-1	42	Propylene	2.3	2.0	0.32	ppbv		4.0	3.4	0.55	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.10	ppbv		ND	3.4	0.43	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	12.7	0.80	0.13	ppbv		69.3	4.4	0.71	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.12	ppbv		ND	5.5	0.82	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.14	ppbv		ND	4.4	0.76	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.18	ppbv		ND	5.9	1.3	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.092	ppbv		ND	3.9	0.45	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.085	ppbv		ND	3.7	0.40	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.9	0.80	0.20	ppbv		5.8	2.4	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	21.0	0.16	0.095	ppbv		142	1.1	0.64	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.17	ppbv		ND	2.4	0.50	ug/m3
108-88-3	92.14	Toluene	1.3	0.80	0.081	ppbv		4.9	3.0	0.31	ug/m3
79-01-6	131.4	Trichloroethylene	25.2	0.16	0.10	ppbv		135	0.86	0.54	ug/m3
75-69-4	137.4	Trichlorofluoromethane	5.8	0.80	0.081	ppbv		33	4.5	0.46	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.13	ppbv		ND	2.0	0.33	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.22	ppbv		ND	2.8	0.77	ug/m3
	106.2	m,p-Xylene	1.0	0.80	0.17	ppbv		4.3	3.5	0.74	ug/m3
95-47-6	106.2	o-Xylene	0.40	0.80	0.10	ppbv	J	1.7	3.5	0.43	ug/m3
1330-20-7	106.2	Xylenes (total)	1.4	0.80	0.10	ppbv		6.1	3.5	0.43	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: SG-1
Lab Sample ID: JC7272-4
Matrix: AIR - Soil Vapor Comp. Summa ID: A427
Method: TO-15
Project: Procida, 105 South 5th Street, Brooklyn, NY

Date Sampled: 10/28/15
Date Received: 10/28/15
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W52232.D	1	10/30/15	YMH	n/a	n/a	VW2086
Run #2	W52256.D	1	10/30/15	YMH	n/a	n/a	VW2087

	Initial Volume
Run #1	100 ml
Run #2	20.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	23.0	0.80	0.13	ppbv		54.6	1.9	0.31	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.12	ppbv		ND	1.8	0.27	ug/m3
71-43-2	78.11	Benzene	0.65	0.80	0.12	ppbv	J	2.1	2.6	0.38	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.13	ppbv		ND	5.4	0.87	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.082	ppbv		ND	8.3	0.85	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.087	ppbv		ND	3.1	0.34	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.081	ppbv		ND	3.5	0.35	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.10	ppbv		ND	4.1	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.11	ppbv		ND	2.5	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.13	ppbv		ND	3.7	0.60	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.086	ppbv		ND	2.1	0.23	ug/m3
67-66-3	119.4	Chloroform	7.0	0.80	0.12	ppbv		34	3.9	0.59	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.12	ppbv		ND	1.7	0.25	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.11	ppbv		ND	2.5	0.34	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	0.67	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.41	0.80	0.098	ppbv	J	2.6	5.0	0.62	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.13	ppbv		ND	2.8	0.45	ug/m3
75-34-3	98.96	1,1-Dichloroethane	4.7	0.80	0.12	ppbv		19	3.2	0.49	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	19.2	0.80	0.11	ppbv		76.1	3.2	0.44	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.14	ppbv		ND	6.1	1.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.10	ppbv		ND	3.2	0.40	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.20	ppbv		ND	3.7	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.65	0.80	0.15	ppbv	J	3.2	4.0	0.74	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.17	ppbv		ND	6.8	1.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.96	0.80	0.081	ppbv		3.8	3.2	0.32	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	25.5	0.80	0.099	ppbv		101	3.2	0.39	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.14	ppbv		ND	3.6	0.64	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.077	ppbv		ND	4.8	0.46	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.082	ppbv		ND	3.6	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-1		
Lab Sample ID:	JC7272-4	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A427	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	21.4	2.0	0.66	ppbv		40.3	3.8	1.2	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.19	ppbv		ND	3.5	0.83	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.088	ppbv		ND	3.9	0.43	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.11	ppbv		ND	6.1	0.84	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.10	ppbv		ND	5.6	0.70	ug/m3
142-82-5	100.2	Heptane	34.6	0.80	0.12	ppbv		142	3.3	0.49	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.13	ppbv		ND	8.5	1.4	ug/m3
110-54-3	86.17	Hexane	1.1	0.80	0.11	ppbv		3.9	2.8	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.6	0.80	0.48	ppbv		3.9	2.0	1.2	ug/m3
75-09-2	84.94	Methylene chloride	1.5	0.80	0.54	ppbv		5.2	2.8	1.9	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.3	0.80	0.19	ppbv		3.8	2.4	0.56	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.11	ppbv		ND	3.3	0.45	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.10	ppbv		ND	2.9	0.36	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.12	ppbv		ND	3.3	0.49	ug/m3
115-07-1	42	Propylene	3.7	2.0	0.32	ppbv		6.4	3.4	0.55	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.10	ppbv		ND	3.4	0.43	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	39.0	0.80	0.13	ppbv		213	4.4	0.71	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.12	ppbv		ND	5.5	0.82	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.14	ppbv		ND	4.4	0.76	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.18	ppbv		ND	5.9	1.3	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.092	ppbv		ND	3.9	0.45	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	80.8	0.80	0.085	ppbv		377	3.7	0.40	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	2.9	0.80	0.20	ppbv		8.8	2.4	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	96.8	0.16	0.095	ppbv		656	1.1	0.64	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.17	ppbv		ND	2.4	0.50	ug/m3
108-88-3	92.14	Toluene	1.4	0.80	0.081	ppbv		5.3	3.0	0.31	ug/m3
79-01-6	131.4	Trichloroethylene	369 [a]	0.80	0.51	ppbv		1980 [a]	4.3	2.7	ug/m3
75-69-4	137.4	Trichlorofluoromethane	4.8	0.80	0.081	ppbv		27	4.5	0.46	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.13	ppbv		ND	2.0	0.33	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.22	ppbv		ND	2.8	0.77	ug/m3
	106.2	m,p-Xylene	0.70	0.80	0.17	ppbv	J	3.0	3.5	0.74	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.10	ppbv		ND	3.5	0.43	ug/m3
1330-20-7	106.2	Xylenes (total)	0.70	0.80	0.10	ppbv	J	3.0	3.5	0.43	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%	92%	65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-1		
Lab Sample ID:	JC7272-4	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A427	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: SG-2
Lab Sample ID: JC7272-5
Matrix: AIR - Soil Vapor Comp. Summa ID: A592
Method: TO-15
Project: Procida, 105 South 5th Street, Brooklyn, NY

Date Sampled: 10/28/15
Date Received: 10/28/15
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W52233.D	1	10/30/15	YMH	n/a	n/a	VW2086
Run #2	3W50821.D	2.73	11/04/15	YMH	n/a	n/a	V3W1930

	Initial Volume
Run #1	100 ml
Run #2	25.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	45.7	0.80	0.13	ppbv		109	1.9	0.31	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.12	ppbv		ND	1.8	0.27	ug/m3
71-43-2	78.11	Benzene	0.86	0.80	0.12	ppbv		2.7	2.6	0.38	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.13	ppbv		ND	5.4	0.87	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.082	ppbv		ND	8.3	0.85	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.087	ppbv		ND	3.1	0.34	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.081	ppbv		ND	3.5	0.35	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.10	ppbv		ND	4.1	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	1.1	0.80	0.11	ppbv		3.4	2.5	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.13	ppbv		ND	3.7	0.60	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.086	ppbv		ND	2.1	0.23	ug/m3
67-66-3	119.4	Chloroform	12.1	0.80	0.12	ppbv		59.1	3.9	0.59	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.12	ppbv		ND	1.7	0.25	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.11	ppbv		ND	2.5	0.34	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	0.67	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.41	0.80	0.098	ppbv	J	2.6	5.0	0.62	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.13	ppbv		ND	2.8	0.45	ug/m3
75-34-3	98.96	1,1-Dichloroethane	7.7	0.80	0.12	ppbv		31	3.2	0.49	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	45.6	0.80	0.11	ppbv		181	3.2	0.44	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.69	0.80	0.14	ppbv	J	5.3	6.1	1.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.10	ppbv		ND	3.2	0.40	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.20	ppbv		ND	3.7	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.68	0.80	0.15	ppbv	J	3.4	4.0	0.74	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.17	ppbv		ND	6.8	1.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	1.5	0.80	0.081	ppbv		5.9	3.2	0.32	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	58.8	0.80	0.099	ppbv		233	3.2	0.39	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.14	ppbv		ND	3.6	0.64	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.077	ppbv		ND	4.8	0.46	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.082	ppbv		ND	3.6	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-2		
Lab Sample ID:	JC7272-5	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A592	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	17.6	2.0	0.66	ppbv		33.2	3.8	1.2	ug/m3
100-41-4	106.2	Ethylbenzene	0.68	0.80	0.19	ppbv	J	3.0	3.5	0.83	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.088	ppbv		ND	3.9	0.43	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.11	ppbv		ND	6.1	0.84	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.10	ppbv		ND	5.6	0.70	ug/m3
142-82-5	100.2	Heptane	0.41	0.80	0.12	ppbv	J	1.7	3.3	0.49	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.13	ppbv		ND	8.5	1.4	ug/m3
110-54-3	86.17	Hexane	0.93	0.80	0.11	ppbv		3.3	2.8	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.3	0.80	0.48	ppbv		3.2	2.0	1.2	ug/m3
75-09-2	84.94	Methylene chloride	1.3	0.80	0.54	ppbv		4.5	2.8	1.9	ug/m3
78-93-3	72.11	Methyl ethyl ketone	6.9	0.80	0.19	ppbv		20	2.4	0.56	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	1.6	0.80	0.11	ppbv		6.6	3.3	0.45	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.10	ppbv		ND	2.9	0.36	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.12	ppbv		ND	3.3	0.49	ug/m3
115-07-1	42	Propylene	13.0	2.0	0.32	ppbv		22.3	3.4	0.55	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.10	ppbv		ND	3.4	0.43	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	51.0	0.80	0.13	ppbv		278	4.4	0.71	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.12	ppbv		ND	5.5	0.82	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.14	ppbv		ND	4.4	0.76	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.18	ppbv		ND	5.9	1.3	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.092	ppbv		ND	3.9	0.45	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.085	ppbv		ND	3.7	0.40	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	2.4	0.80	0.20	ppbv		7.3	2.4	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	423 [a]	1.7	1.0	ppbv		2870 [a]	12	6.8	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.17	ppbv		ND	2.4	0.50	ug/m3
108-88-3	92.14	Toluene	1.2	0.80	0.081	ppbv		4.5	3.0	0.31	ug/m3
79-01-6	131.4	Trichloroethylene	653 [a]	1.7	1.1	ppbv		3510 [a]	9.1	5.9	ug/m3
75-69-4	137.4	Trichlorofluoromethane	10.3	0.80	0.081	ppbv		57.9	4.5	0.46	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.13	ppbv		ND	2.0	0.33	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.22	ppbv		ND	2.8	0.77	ug/m3
	106.2	m,p-Xylene	2.5	0.80	0.17	ppbv		11	3.5	0.74	ug/m3
95-47-6	106.2	o-Xylene	1.0	0.80	0.10	ppbv		4.3	3.5	0.43	ug/m3
1330-20-7	106.2	Xylenes (total)	3.5	0.80	0.10	ppbv		15	3.5	0.43	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%	85%	65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-2		
Lab Sample ID:	JC7272-5	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A592	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: SG-3
Lab Sample ID: JC7272-6
Matrix: AIR - Soil Vapor Comp. Summa ID: A1222
Method: TO-15
Project: Procida, 105 South 5th Street, Brooklyn, NY

Date Sampled: 10/28/15
Date Received: 10/28/15
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W52234.D	1	10/30/15	YMH	n/a	n/a	VW2086
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	13.3	0.80	0.13	ppbv		31.6	1.9	0.31	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.12	ppbv		ND	1.8	0.27	ug/m3
71-43-2	78.11	Benzene	0.80	0.80	0.12	ppbv		2.6	2.6	0.38	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.13	ppbv		ND	5.4	0.87	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.082	ppbv		ND	8.3	0.85	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.087	ppbv		ND	3.1	0.34	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.081	ppbv		ND	3.5	0.35	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.10	ppbv		ND	4.1	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	0.71	0.80	0.11	ppbv	J	2.2	2.5	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.13	ppbv		ND	3.7	0.60	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.086	ppbv		ND	2.1	0.23	ug/m3
67-66-3	119.4	Chloroform	2.9	0.80	0.12	ppbv		14	3.9	0.59	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.12	ppbv		ND	1.7	0.25	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.11	ppbv		ND	2.5	0.34	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	0.67	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.098	ppbv		ND	5.0	0.62	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.13	ppbv		ND	2.8	0.45	ug/m3
75-34-3	98.96	1,1-Dichloroethane	1.3	0.80	0.12	ppbv		5.3	3.2	0.49	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	22.9	0.80	0.11	ppbv		90.8	3.2	0.44	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.14	ppbv		ND	6.1	1.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.10	ppbv		ND	3.2	0.40	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.20	ppbv		ND	3.7	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.81	0.80	0.15	ppbv		4.0	4.0	0.74	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.17	ppbv		ND	6.8	1.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.081	ppbv		ND	3.2	0.32	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	3.0	0.80	0.099	ppbv		12	3.2	0.39	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.14	ppbv		ND	3.6	0.64	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.077	ppbv		ND	4.8	0.46	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.082	ppbv		ND	3.6	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-3		
Lab Sample ID:	JC7272-6	**Date Sampled:**	10/28/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1222	**Date Received:**	10/28/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	Procida, 105 South 5th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	7.4	2.0	0.66	ppbv		14	3.8	1.2	ug/m3
100-41-4	106.2	Ethylbenzene	1.6	0.80	0.19	ppbv		6.9	3.5	0.83	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.25	ppbv		ND	2.9	0.90	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.088	ppbv		ND	3.9	0.43	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.11	ppbv		ND	6.1	0.84	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.10	ppbv		ND	5.6	0.70	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.12	ppbv		ND	3.3	0.49	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.13	ppbv		ND	8.5	1.4	ug/m3
110-54-3	86.17	Hexane	1.1	0.80	0.11	ppbv		3.9	2.8	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.71	0.80	0.48	ppbv	J	1.7	2.0	1.2	ug/m3
75-09-2	84.94	Methylene chloride	1.4	0.80	0.54	ppbv		4.9	2.8	1.9	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.0	0.80	0.19	ppbv		2.9	2.4	0.56	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.52	0.80	0.11	ppbv	J	2.1	3.3	0.45	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	2.4	0.80	0.10	ppbv		8.7	2.9	0.36	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.12	ppbv		ND	3.3	0.49	ug/m3
115-07-1	42	Propylene	12.8	2.0	0.32	ppbv		22.0	3.4	0.55	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.10	ppbv		ND	3.4	0.43	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	13.5	0.80	0.13	ppbv		73.7	4.4	0.71	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.12	ppbv		ND	5.5	0.82	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.14	ppbv		ND	4.4	0.76	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.18	ppbv		ND	5.9	1.3	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.092	ppbv		ND	3.9	0.45	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.085	ppbv		ND	3.7	0.40	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.4	0.80	0.20	ppbv		4.2	2.4	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	109	0.16	0.095	ppbv		739	1.1	0.64	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.17	ppbv		ND	2.4	0.50	ug/m3
108-88-3	92.14	Toluene	1.3	0.80	0.081	ppbv		4.9	3.0	0.31	ug/m3
79-01-6	131.4	Trichloroethylene	128	0.16	0.10	ppbv		688	0.86	0.54	ug/m3
75-69-4	137.4	Trichlorofluoromethane	20.6	0.80	0.081	ppbv		116	4.5	0.46	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.13	ppbv		ND	2.0	0.33	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.22	ppbv		ND	2.8	0.77	ug/m3
	106.2	m,p-Xylene	6.0	0.80	0.17	ppbv		26	3.5	0.74	ug/m3
95-47-6	106.2	o-Xylene	3.5	0.80	0.10	ppbv		15	3.5	0.43	ug/m3
1330-20-7	106.2	Xylenes (total)	9.5	0.80	0.10	ppbv		41	3.5	0.43	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2015 MDL Study - Method: TO-15

AIR

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #

Lab Quote #

Battle Order Control # MV-10-22-2015-4A

Lab Job # JC7272

PAGE 1 OF 1

Client / Reporting Information

Company Name: Equity Environmental Engineering

Address: 500 International Drive, Suite 150

City: Mt. Olive State: NJ Zip: 07828

Project Contact: Bob Jackson E-mail: Bob.Jackson@equityenvironmental.com

Phone #: 973-527-7451 Fax #: 973-858-0280

Sampler(s) Name(s)

Project Name: 105 South 5th Street

Street: 105 South 5th Street

City: Brooklyn State: NY

Project #: 2014074

Client Purchase Order #: 2014074

Weather Parameters

Temperature (Fahrenheit) Start: 58°F Maximum: Stop: 60°F Minimum:

Atmoshpheric Pressure (inches of Hg) Start: 30.50 Hg Maximum: Stop: 30.50 Hg Minimum:

Other weather comment: 10/28/15 - Raining

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Standard TO-15 Reporting List
1	SG-5	SV	A509	1L	FC562	10/27/15	1158	29Hg	N/A	FM	10/27/15	1428	0Hg	N/A	FM	X
2	SG-4	SV	A490	1L	FC621	10/27/15	1229	30Hg	N/A	FM	10/27/15	1441	5Hg	N/A	FM	X
3	SG-6	SV	A682	1L	FC418	10/27/15	1250	30Hg	N/A	FM	10/27/15	1459	6Hg	N/A	FM	X
4	SG-1	SV	A427	1L	FC370	10/28/15	0830	30Hg	60°F	FM	10/28/15	1046	4Hg	60°F	FM	X
5	SG-2	SV	A592	1L	FC677	10/28/15	0840	30Hg	60°F	FM	10/28/15	1050	6.5Hg	60°F	FM	X
6	SG-3	SV	A1222	1L	FC447	10/28/15	0850	24Hg	60°F	FM	10/28/15	1054	0Hg	60°F	FM	X

SUMMA

Turnaround Time (Business days)

Standard - 15 Days: 10 Day: 5 Day: X 3 Day: 2 Day: 1 Day: Other:

Approved By:

INITIAL ASESSMENT NLHA

LABEL VERIFICATION JL

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A: Comm B: Reduced T2: Full T1: Other: NY Cat B

Comments / Remarks

10/27/15 Temps: Start: 50F Stop: 60F

10/27/15 Atmospheric Pres: Start 30.50 Hg Stop: 30.50 Hg

10/28/15 Temps: Start: 54F Stop: 55F

10/28/15 Atmospheric Pres. Start: 30.24 Hg Stop: 30.20 Hg

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Craig Maiorano	10/22/2015 14:20	1 [illegible] 10-23-15 0800	2 [illegible]	10-23-15 10:15	2
2 [illegible]	10/28/15 13:20	3 [illegible]	4 [illegible]	10/28/15 18:43	4 [illegible]
3		5	Custody Seal # 28 INTACT		
5					

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JC7272 **Client:** EQUITY ENVIRONMENTAL **Project:** 105 SOUTH 5TH STREET

Date / Time Received: 10/28/2015 6:43:00 PM **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No, Coolers	0	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments -1 Rec'd FC652, not FC562

Accutest Laboratories
V:732.329.0200
2235 US Highway 130
F: 732.329.3499
Dayton, New Jersey
www/accutest.com

JC7272: Chain of Custody
Page 2 of 3

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JC7272

Initiator: ANDREWS

CSR: MV

Response Date: 10/29/2015

Response: Noted

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JC7272: Chain of Custody
Page 3 of 3

Summa Canister and Flow Controller Log

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Received: 10/28/15

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A509	1	29.4	10/22/15	RD	CP7988	5W14152.D	JC7272-1	10/29/15	RD		1		1
A490	1	29.4	10/22/15	RD	CP7988	5W14152.D	JC7272-2	10/29/15	RD	2			1
A682	1	29.4	10/22/15	RD	CP7988	5W14152.D	JC7272-3	10/29/15	RD	2			1
A427	1	29.4	10/22/15	RD	CP7990	5W14169.D	JC7272-4	10/29/15	RD	1			1
A592	1	29.4	10/22/15	RD	CP7988	5W14152.D	JC7272-5	10/29/15	RD	3			1
A1222	1	29.4	10/22/15	RD	CP7988	5W14152.D	JC7272-6	10/29/15	RD	4			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving			
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Equipment Type
FC370	10/22/15	RD	6.3	2	10/29/15	RD	6.4	Flow Controller
FC418	10/22/15	RD	6.3	2	10/29/15	RD	6.6	Flow Controller
FC447	10/22/15	RD	6.3	2	10/29/15	RD	6.7	Flow Controller
FC621	10/22/15	RD	6.3	2	10/29/15	RD	6.6	Flow Controller
FC652	10/22/15	RD	6.3	2	10/29/15	RD	6.5	Flow Controller
FC677	10/22/15	RD	6.3	2	10/29/15	RD	6.3	Flow Controller

Accutest Bottle Order(s):
MV-10_22_2015-419

Prep Date	Room Temp(F)	Bar Pres "Hg
10/22/15	70	29.92

Internal Sample Tracking Chronicle

Equity Environmental Engineering

Job No: JC7272

Procida, 105 South 5th Street, Brooklyn, NY
Project No: 2014074

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC7272-1 SG-5	Collected: 28-OCT-15 14:28 By: FM		Received: 28-OCT-15 By: AS			
JC7272-1	TO-15	30-OCT-15 01:45	YMH			VTO15STD
JC7272-1	TO-15	30-OCT-15 23:16	YMH			VTO15STD
JC7272-2 SG-4	Collected: 28-OCT-15 14:41 By: FM		Received: 28-OCT-15 By: AS			
JC7272-2	TO-15	30-OCT-15 02:26	YMH			VTO15STD
JC7272-3 SG-6	Collected: 28-OCT-15 14:59 By: FM		Received: 28-OCT-15 By: AS			
JC7272-3	TO-15	30-OCT-15 03:07	YMH			VTO15STD
JC7272-4 SG-1	Collected: 28-OCT-15 10:46 By: FM		Received: 28-OCT-15 By: AS			
JC7272-4	TO-15	30-OCT-15 03:48	YMH			VTO15STD
JC7272-4	TO-15	30-OCT-15 23:57	YMH			VTO15STD
JC7272-5 SG-2	Collected: 28-OCT-15 10:50 By: FM		Received: 28-OCT-15 By: AS			
JC7272-5	TO-15	30-OCT-15 04:28	YMH			VTO15STD
JC7272-5	TO-15	04-NOV-15 14:41	YMH			VTO15STD
JC7272-6 SG-3	Collected: 28-OCT-15 10:54 By: FM		Received: 28-OCT-15 By: AS			
JC7272-6	TO-15	30-OCT-15 05:09	YMH			VTO15STD

Accutest Internal Chain of Custody

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Received: 10/28/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC7272-1.1	Harvey Lubitz	Air Storage	10/28/15 19:53	Return to Storage
JC7272-1.1	Air Storage	Youmin Hu	10/29/15 18:21	Retrieve from Storage
JC7272-1.1	Youmin Hu	GCMSW	10/29/15 18:21	Load on Instrument
JC7272-1.1	GCMSW	Youmin Hu	10/30/15 14:16	Unload from Instrument
JC7272-1.1	Youmin Hu	Air Storage	10/30/15 14:16	Return to Storage
JC7272-2.1	Harvey Lubitz	Air Storage	10/28/15 19:53	Return to Storage
JC7272-2.1	Air Storage	Youmin Hu	10/29/15 18:21	Retrieve from Storage
JC7272-2.1	Youmin Hu	GCMSW	10/29/15 18:21	Load on Instrument
JC7272-2.1	GCMSW	Youmin Hu	10/30/15 14:16	Unload from Instrument
JC7272-2.1	Youmin Hu	Air Storage	10/30/15 14:16	Return to Storage
JC7272-3.1	Harvey Lubitz	Air Storage	10/28/15 19:53	Return to Storage
JC7272-3.1	Air Storage	Youmin Hu	10/29/15 18:21	Retrieve from Storage
JC7272-3.1	Youmin Hu	GCMSW	10/29/15 18:21	Load on Instrument
JC7272-3.1	GCMSW	Youmin Hu	10/30/15 14:16	Unload from Instrument
JC7272-3.1	Youmin Hu	Air Storage	10/30/15 14:16	Return to Storage
JC7272-4.1	Harvey Lubitz	Air Storage	10/28/15 19:53	Return to Storage
JC7272-4.1	Air Storage	Youmin Hu	10/29/15 18:21	Retrieve from Storage
JC7272-4.1	Youmin Hu	GCMSW	10/29/15 18:21	Load on Instrument
JC7272-4.1	GCMSW	Youmin Hu	10/30/15 14:16	Unload from Instrument
JC7272-4.1	Youmin Hu	Air Storage	10/30/15 14:16	Return to Storage
JC7272-5.1	Harvey Lubitz	Air Storage	10/28/15 19:53	Return to Storage
JC7272-5.1	Air Storage	Youmin Hu	10/29/15 18:21	Retrieve from Storage
JC7272-5.1	Youmin Hu	GCMSW	10/29/15 18:21	Load on Instrument
JC7272-5.1	GCMSW	Youmin Hu	10/30/15 14:16	Unload from Instrument
JC7272-5.1	Youmin Hu	Air Storage	10/30/15 14:16	Return to Storage
JC7272-6.1	Harvey Lubitz	Air Storage	10/28/15 19:53	Return to Storage
JC7272-6.1	Air Storage	Youmin Hu	10/29/15 18:21	Retrieve from Storage
JC7272-6.1	Youmin Hu	GCMSW	10/29/15 18:21	Load on Instrument
JC7272-6.1	GCMSW	Youmin Hu	10/30/15 14:16	Unload from Instrument
JC7272-6.1	Youmin Hu	Air Storage	10/30/15 14:16	Return to Storage

Accutest Laboratories Annual Method Detection Limit Determination
Dayton, NJ Facility

Method: TO-15 (VTO14/15)
Instrument(s): GCMSW, GCMS3W, GCMS5W
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2015

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
Acetone	7-Jan-15	0.1	0.111	0.088	0.102	0.083	0.090	0.088	0.101	0.095	94.57	0.010	0.032	3.16
Acrolein	24-Jan-15	0.1	0.059	0.090	0.071	0.042	0.048	0.066	0.047	0.061	60.50	0.017	0.052	1.92
Acrylonitrile	3-Jan-15	0.2	0.171	0.185	0.174	0.183	0.164	0.178	0.177	0.176	87.99	0.007	0.023	8.89
Acetonitrile	7-Jan-15	0.2	0.223	0.231	0.216	0.234	0.216	0.170	0.221	0.216	108.00	0.021	0.067	2.99
1,3-Butadiene	7-Jan-15	0.1	0.106	0.090	0.107	0.086	0.104	0.114	0.102	0.101	101.28	0.010	0.031	3.22
Benzene	7-Jan-15	0.1	0.103	0.088	0.103	0.084	0.106	0.107	0.105	0.100	99.66	0.009	0.030	3.37
Bromobenzene	7-Jan-15	0.2	0.176	0.200	0.186	0.188	0.198	0.191	0.208	0.192	96.18	0.011	0.034	5.98
Bromodichloromethane	7-Jan-15	0.1	0.101	0.090	0.105	0.082	0.106	0.102	0.110	0.099	99.37	0.010	0.032	3.16
Bromoform	7-Jan-15	0.2	0.173	0.186	0.190	0.180	0.187	0.176	0.187	0.183	91.42	0.007	0.020	9.82
Bromomethane	7-Jan-15	0.2	0.210	0.212	0.222	0.213	0.227	0.218	0.226	0.218	109.16	0.007	0.022	9.19
Bromoethene	7-Jan-15	0.2	0.195	0.208	0.212	0.199	0.205	0.199	0.210	0.204	101.99	0.006	0.020	9.88
n-Butane	3-Jan-15	0.2	0.205	0.172	0.186	0.202	0.206	0.228	0.187	0.198	98.97	0.018	0.057	3.52
Benzyl Chloride	7-Jan-15	0.1	0.070	0.058	0.069	0.053	0.075	0.066	0.075	0.067	66.54	0.008	0.026	3.84
n-Butylbenzene	23-Jan-15	0.2	0.115	0.105	0.102	0.092	0.098	0.079	0.077	0.095	47.67	0.014	0.043	4.65
sec-Butylbenzene	7-Jan-15	0.2	0.131	0.148	0.133	0.140	0.151	0.145	0.138	0.141	70.42	0.007	0.023	8.65
tert-Butylbenzene	7-Jan-15	0.1	0.083	0.065	0.083	0.058	0.072	0.087	0.079	0.075	75.38	0.011	0.033	3.04
Carbon disulfide	7-Jan-15	0.2	0.205	0.226	0.220	0.222	0.206	0.208	0.223	0.216	107.78	0.009	0.029	7.03
Chlorobenzene	7-Jan-15	0.1	0.098	0.083	0.108	0.081	0.101	0.101	0.104	0.097	96.51	0.010	0.032	3.10
Chlorodifluoromethane	23-Jan-15	0.2	0.155	0.150	0.151	0.122	0.155	0.142	0.148	0.146	73.10	0.011	0.036	5.57
Chloroethane	7-Jan-15	0.2	0.214	0.206	0.214	0.204	0.208	0.216	0.224	0.212	106.15	0.007	0.022	9.29
Chloroform	7-Jan-15	0.1	0.105	0.095	0.104	0.084	0.115	0.108	0.105	0.102	102.20	0.010	0.031	3.21
Chloromethane	23-Jan-15	0.2	0.205	0.192	0.202	0.211	0.191	0.185	0.192	0.197	98.43	0.009	0.029	6.93
3-Chloropropene	7-Jan-15	0.2	0.195	0.199	0.202	0.203	0.219	0.191	0.198	0.201	100.52	0.009	0.028	7.27
2-Chlorotoluene	7-Jan-15	0.2	0.164	0.194	0.175	0.176	0.181	0.185	0.192	0.181	90.41	0.010	0.033	6.09
Carbon tetrachloride	7-Jan-15	0.1	0.106	0.089	0.104	0.090	0.104	0.106	0.106	0.101	100.77	0.008	0.025	4.07
Cyclohexane	7-Jan-15	0.2	0.207	0.205	0.226	0.209	0.228	0.204	0.219	0.214	107.01	0.010	0.032	6.26
1,1-Dichloroethane	7-Jan-15	0.1	0.108	0.092	0.116	0.093	0.111	0.114	0.112	0.107	106.49	0.010	0.031	3.24
1,1-Dichloroethylene	7-Jan-15	0.1	0.108	0.102	0.101	0.085	0.111	0.111	0.102	0.103	102.92	0.009	0.028	3.53
1,2-Dibromoethane	7-Jan-15	0.1	0.101	0.077	0.101	0.077	0.096	0.089	0.104	0.092	92.08	0.011	0.035	2.83
1,2-Dichloroethane	7-Jan-15	0.1	0.095	0.086	0.101	0.081	0.104	0.097	0.102	0.095	95.15	0.008	0.026	3.81
1,2-Dichloropropane	7-Jan-15	0.1	0.119	0.119	0.145	0.123	0.143	0.162	0.137	0.136	135.47	0.016	0.050	1.99

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMSW, GCMS3W, GCMS5W
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2015

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
1,4-Dioxane	7-Jan-15	0.2	0.164	0.208	0.217	0.207	0.224	0.212	0.220	0.207	103.65	0.020	0.063	3.17
Dichlorodifluoromethane	7-Jan-15	0.1	0.125	0.103	0.125	0.096	0.126	0.113	0.112	0.114	114.38	0.012	0.037	2.72
Dichlorofluoromethane	3-Jan-15	0.2	0.221	0.227	0.227	0.227	0.226	0.239	0.242	0.230	114.92	0.008	0.024	8.36
Dibromochloromethane	7-Jan-15	0.1	0.102	0.087	0.110	0.075	0.107	0.106	0.108	0.099	99.41	0.013	0.041	2.42
Dibromomethane	7-Jan-15	0.2	0.195	0.202	0.204	0.217	0.197	0.203	0.208	0.204	101.84	0.007	0.023	8.74
trans-1,2-Dichloroethylene	7-Jan-15	0.2	0.173	0.176	0.191	0.185	0.181	0.185	0.188	0.183	91.36	0.006	0.020	9.88
cis-1,2-Dichloroethylene	7-Jan-15	0.1	0.104	0.085	0.095	0.085	0.101	0.102	0.093	0.095	94.96	0.008	0.025	4.04
cis-1,3-Dichloropropene	7-Jan-15	0.1	0.088	0.068	0.096	0.068	0.088	0.089	0.093	0.084	84.02	0.011	0.035	2.84
m-Dichlorobenzene	7-Jan-15	0.2	0.125	0.151	0.140	0.140	0.147	0.146	0.149	0.143	71.34	0.009	0.028	7.25
o-Dichlorobenzene	7-Jan-15	0.1	0.082	0.064	0.080	0.066	0.085	0.090	0.080	0.078	78.12	0.010	0.030	3.34
p-Dichlorobenzene	3-Jan-15	0.1	0.113	0.105	0.109	0.101	0.098	0.097	0.099	0.103	103.33	0.006	0.019	5.21
trans-1,3-Dichloropropene	7-Jan-15	0.1	0.070	0.078	0.083	0.067	0.084	0.078	0.082	0.077	77.42	0.007	0.020	4.90
Di-Isopropyl ether	7-Jan-15	0.1	0.086	0.082	0.089	0.081	0.093	0.076	0.096	0.086	86.21	0.007	0.022	4.59
2,3-Dimethylpentane	7-Jan-15	0.2	0.274	0.264	0.270	0.276	0.263	0.266	0.284	0.271	135.44	0.008	0.023	8.53
2,4-Dimethylpentane	7-Jan-15	0.2	0.190	0.198	0.207	0.198	0.200	0.195	0.209	0.200	99.80	0.007	0.021	9.77
Ethanol	7-Jan-15	0.2	0.334	0.401	0.403	0.423	0.387	0.325	0.375	0.378	189.08	0.036	0.114	1.75
Ethylbenzene	23-Jan-15	0.2	0.171	0.157	0.166	0.151	0.152	0.131	0.132	0.152	75.73	0.015	0.048	4.15
Ethyl Acetate	7-Jan-15	0.2	0.158	0.205	0.190	0.182	0.170	0.162	0.210	0.182	91.19	0.020	0.064	3.15
4-Ethyltoluene	7-Jan-15	0.2	0.143	0.147	0.154	0.161	0.160	0.153	0.161	0.154	77.02	0.007	0.022	9.12
Freon 113	7-Jan-15	0.1	0.100	0.093	0.108	0.084	0.107	0.106	0.104	0.100	100.16	0.009	0.027	3.71
Freon 114	7-Jan-15	0.2	0.213	0.234	0.217	0.222	0.226	0.215	0.230	0.222	111.19	0.008	0.025	8.02
Freon 115	7-Jan-15	0.1	0.127	0.113	0.122	0.106	0.108	0.133	0.118	0.118	118.23	0.010	0.031	3.21
Freon 123	7-Jan-15	0.2	0.209	0.214	0.216	0.219	0.212	0.210	0.228	0.215	107.67	0.007	0.021	9.58
Freon 123A	7-Jan-15	0.1	0.104	0.092	0.109	0.087	0.109	0.098	0.101	0.100	100.01	0.008	0.026	3.86
Freon 141B	7-Jan-15	0.2	0.209	0.216	0.222	0.218	0.219	0.206	0.229	0.217	108.49	0.008	0.025	8.06
Freon 142B	7-Jan-15	0.1	0.107	0.103	0.117	0.094	0.120	0.121	0.118	0.112	111.45	0.010	0.032	3.11
Freon 143a	3-Jan-15	0.1	0.116	0.093	0.116	0.119	0.062	0.115	0.119	0.106	105.72	0.021	0.067	1.50
Freon 152A	7-Jan-15	0.1	0.107	0.103	0.117	0.094	0.120	0.121	0.118	0.112	111.45	0.010	0.032	3.11
Heptane	7-Jan-15	0.2	0.242	0.246	0.241	0.222	0.244	0.231	0.248	0.239	119.55	0.009	0.029	6.80
Hexachlorobutadiene	7-Jan-15	0.2	0.147	0.171	0.176	0.175	0.173	0.160	0.171	0.168	83.78	0.011	0.033	6.08
Hexachloroethane	7-Jan-15	0.2	0.171	0.189	0.213	0.215	0.211	0.198	0.209	0.201	100.46	0.016	0.051	3.96
Hexane	7-Jan-15	0.1	0.106	0.092	0.102	0.084	0.106	0.107	0.099	0.100	99.56	0.009	0.028	3.63
2-Hexanone	23-Jan-15	0.2	0.130	0.126	0.110	0.108	0.107	0.092	0.097	0.110	54.91	0.014	0.044	4.55
Iodomethane	7-Jan-15	0.2	0.200	0.208	0.201	0.209	0.207	0.198	0.218	0.206	102.92	0.007	0.021	9.34

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMSW, GCMS3W, GCMS5W
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2015

Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	Replicate Spikes R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
Isopropylbenzene	7-Jan-15	0.2	0.189	0.199	0.203	0.198	0.204	0.195	0.209	0.199	99.71	0.007	0.021	9.71
Isopropyl Alcohol	7-Jan-15	0.2	0.188	0.282	0.202	0.256	0.199	0.184	0.242	0.222	110.93	0.038	0.120	1.67
p-Isopropyltoluene	7-Jan-15	0.2	0.120	0.126	0.130	0.139	0.136	0.115	0.126	0.127	63.62	0.008	0.026	7.57
Methylene chloride	7-Jan-15	0.2	0.220	0.227	0.223	0.235	0.231	0.221	0.235	0.227	113.69	0.007	0.021	9.78
Methyl ethyl ketone	23-Jan-15	0.2	0.158	0.144	0.150	0.145	0.152	0.122	0.117	0.141	70.53	0.016	0.049	4.11
Methyl Isobutyl Ketone	7-Jan-15	0.2	0.144	0.150	0.147	0.153	0.171	0.151	0.154	0.153	76.36	0.009	0.027	7.39
Methyl Tert Butyl Ether	7-Jan-15	0.1	0.095	0.086	0.104	0.080	0.097	0.098	0.099	0.094	94.30	0.008	0.026	3.88
Methylmethacrylate	7-Jan-15	0.1	0.083	0.070	0.094	0.070	0.083	0.089	0.091	0.083	82.96	0.010	0.030	3.29
Naphthalene	3-Jan-15	0.1	0.129	0.105	0.102	0.093	0.087	0.083	0.081	0.097	97.15	0.017	0.053	1.89
Nonane	7-Jan-15	0.1	0.111	0.079	0.103	0.077	0.106	0.099	0.104	0.097	96.93	0.013	0.042	2.37
Octane	7-Jan-15	0.2	0.220	0.231	0.245	0.226	0.242	0.212	0.229	0.229	114.67	0.011	0.036	5.59
Pentane	23-Jan-15	0.2	0.186	0.208	0.201	0.165	0.190	0.180	0.167	0.185	92.69	0.016	0.051	3.93
n-Propylbenzene	7-Jan-15	0.2	0.165	0.152	0.162	0.173	0.167	0.154	0.158	0.162	80.80	0.007	0.023	8.63
Propylene	7-Jan-15	0.2	0.267	0.234	0.281	0.232	0.293	0.266	0.296	0.267	133.51	0.026	0.081	2.47
Styrene	7-Jan-15	0.1	0.082	0.065	0.078	0.060	0.078	0.079	0.076	0.074	74.00	0.008	0.026	3.89
1,1,1-Trichloroethane	7-Jan-15	0.2	0.199	0.198	0.221	0.210	0.221	0.202	0.215	0.209	104.71	0.010	0.032	6.35
1,1,1,2-Tetrachloroethane	7-Jan-15	0.2	0.189	0.213	0.226	0.216	0.203	0.207	0.217	0.210	105.06	0.012	0.037	5.36
1,1,2,2-Tetrachloroethane	7-Jan-15	0.2	0.188	0.192	0.206	0.206	0.205	0.201	0.217	0.202	101.04	0.010	0.030	6.57
1,1,2-Trichloroethane	7-Jan-15	0.2	0.179	0.190	0.200	0.198	0.209	0.188	0.209	0.196	98.08	0.011	0.036	5.63
1,2,4-Trichlorobenzene	3-Jan-15	0.1	0.115	0.098	0.095	0.084	0.083	0.077	0.076	0.090	89.76	0.014	0.044	2.28
1,2,3-Trichloropropane	7-Jan-15	0.1	0.098	0.079	0.106	0.073	0.097	0.101	0.098	0.093	93.22	0.012	0.039	2.59
1,2,4-Trimethylbenzene	7-Jan-15	0.2	0.146	0.153	0.162	0.164	0.156	0.153	0.167	0.157	78.65	0.007	0.023	8.68
1,3,5-Trimethylbenzene	7-Jan-15	0.2	0.160	0.164	0.178	0.186	0.169	0.173	0.182	0.173	86.54	0.010	0.030	6.65
2,2,4-Trimethylpentane	7-Jan-15	0.2	0.213	0.209	0.221	0.214	0.229	0.214	0.221	0.217	108.69	0.007	0.021	9.38
Tertiary Butyl Alcohol	23-Jan-15	0.2	0.205	0.205	0.206	0.204	0.216	0.178	0.174	0.198	99.21	0.016	0.050	4.02
Tetrachloroethylene	7-Jan-15	0.2	0.212	0.216	0.229	0.227	0.230	0.214	0.226	0.222	111.06	0.008	0.024	8.40
Tetrahydrofuran	23-Jan-15	0.2	0.141	0.130	0.114	0.116	0.113	0.106	0.101	0.117	58.55	0.014	0.043	4.61
Toluene	7-Jan-15	0.2	0.185	0.183	0.192	0.181	0.190	0.174	0.191	0.185	92.59	0.007	0.020	9.85
Trichloroethylene	7-Jan-15	0.2	0.209	0.197	0.205	0.214	0.212	0.202	0.221	0.209	104.30	0.008	0.025	7.86
Trichlorofluoromethane	7-Jan-15	0.2	0.222	0.226	0.226	0.226	0.230	0.224	0.241	0.228	113.92	0.007	0.020	9.85
Vinyl chloride	7-Jan-15	0.1	0.098	0.087	0.102	0.089	0.115	0.108	0.107	0.101	100.79	0.010	0.032	3.09
Vinyl Acetate	7-Jan-15	0.2	0.128	0.141	0.165	0.118	0.122	0.128	0.155	0.137	68.32	0.018	0.055	3.63
m,p-Xylene	7-Jan-15	0.4	0.361	0.363	0.377	0.374	0.377	0.349	0.391	0.370	92.58	0.014	0.043	9.25
o-Xylene	7-Jan-15	0.2	0.179	0.190	0.193	0.185	0.199	0.178	0.196	0.189	94.39	0.008	0.026	7.79

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMSW, GCMS3W, GCMS5W
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2015

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
TVHC As Equiv Pentane	7-Jan-15	0.1	0.081	0.083	0.107	0.072	0.097	0.115	0.113	0.096	95.55	0.017	0.053	1.89
TVHC As Equiv Heptane	7-Jan-15	0.2	0.200	0.211	0.223	0.208	0.217	0.222	0.217	0.214	107.07	0.008	0.026	7.85
4-Bromofluorobenzene	24-Jan-15	0.1	10.32	10.39	10.09	10.32	10.11	10.19	10.06	10.21	10211.43	0.13	0.41	0.24

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

New Jersey
ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2086-MB	W52211.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-2, JC7272-3, JC7272-4, JC7272-5, JC7272-6

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.032	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.031	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.030	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.032	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.020	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.020	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.026	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.032	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.022	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.029	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.032	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.031	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.035	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.026	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.050	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.037	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.041	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.020	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.035	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.030	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.048	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.064	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.022	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2086-MB	W52211.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-2, JC7272-3, JC7272-4, JC7272-5, JC7272-6

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.029	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.033	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.028	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.044	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.12	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.049	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.027	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.026	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.081	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.026	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.036	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.044	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.023	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.050	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.043	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.020	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.020	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.055	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.043	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2086-MB	W52211.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-2, JC7272-3, JC7272-4, JC7272-5, JC7272-6

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	65-128%

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2087-MB	W52241.D	1	10/30/15	YMH	n/a	n/a	VW2087

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-4

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
115-07-1	Propylene	ND	0.50	0.081	ppbv		ND	0.86	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	65-128%

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W1930-MB2	3W50820.D	1	11/04/15	YMH	n/a	n/a	V3W1930

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	65-128%

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W564-MB	5W14137.D	1	10/02/15	YMH	n/a	n/a	V5W564

The QC reported here applies to the following samples: **Method:** TO-15

V5W564-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.032	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.031	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.030	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.032	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.020	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.020	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.026	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.032	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.022	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.029	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.032	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.031	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.035	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.026	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.050	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.037	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.041	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.020	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.035	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.030	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.048	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.064	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.022	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W564-MB	5W14137.D	1	10/02/15	YMH	n/a	n/a	V5W564

The QC reported here applies to the following samples: **Method:** TO-15

V5W564-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.029	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.033	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.028	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.044	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.12	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.049	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.027	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.026	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.081	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.026	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.036	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.044	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.023	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.050	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.043	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.020	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.020	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.055	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.043	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W564-MB	5W14137.D	1	10/02/15	YMH	n/a	n/a	V5W564

The QC reported here applies to the following samples: **Method:** TO-15

V5W564-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	99%	65-128%

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W565-MB	5W14158.D	1	10/05/15	YMH	n/a	n/a	V5W565

The QC reported here applies to the following samples: **Method:** TO-15

V5W565-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.032	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.031	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.030	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.032	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.020	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.020	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.026	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.032	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.022	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.029	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.032	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.031	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.035	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.026	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.050	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.037	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.041	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.020	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.035	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.030	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.048	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.064	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.022	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W565-MB	5W14158.D	1	10/05/15	YMH	n/a	n/a	V5W565

The QC reported here applies to the following samples: **Method:** TO-15

V5W565-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.029	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.033	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.028	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.044	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.12	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.049	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.027	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.026	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.081	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.026	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.036	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.044	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.023	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.050	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.043	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.020	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.020	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.055	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.043	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W565-MB	5W14158.D	1	10/05/15	YMH	n/a	n/a	V5W565

The QC reported here applies to the following samples: **Method:** TO-15

V5W565-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	99%	65-128%

Method Blank Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W1930-MB	3W50799.D	1	11/03/15	YMH	n/a	n/a	V3W1930

The QC reported here applies to the following samples: **Method:** TO-15

V3W1930-BSD2, V3W1930-BS2, JC7415-1DUP

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2086-BS	W52208.D	1	10/29/15	YMH	n/a	n/a	VW2086
VW2086-BSD	W52209.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-2, JC7272-3, JC7272-4, JC7272-5, JC7272-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	10.3	103	10.0	100	3	70-130/30
106-99-0	1,3-Butadiene	10	11.2	112	11.1	111	1	70-130/30
71-43-2	Benzene	10	10.7	107	10.5	105	2	70-130/30
75-27-4	Bromodichloromethane	10	10.7	107	10.5	105	2	70-130/30
75-25-2	Bromoform	10	10.6	106	10.1	101	5	70-130/30
74-83-9	Bromomethane	10	10.7	107	10.4	104	3	70-130/30
593-60-2	Bromoethene	10	10.4	104	10.2	102	2	70-130/30
100-44-7	Benzyl Chloride	10	10.9	109	10.2	102	7	70-130/30
75-15-0	Carbon disulfide	10	10.1	101	9.9	99	2	70-130/30
108-90-7	Chlorobenzene	10	10.5	105	10.1	101	4	70-130/30
75-00-3	Chloroethane	10	11.0	110	10.7	107	3	70-130/30
67-66-3	Chloroform	10	10.2	102	10.0	100	2	70-130/30
74-87-3	Chloromethane	10	11.3	113	10.9	109	4	70-130/30
107-05-1	3-Chloropropene	10	10.6	106	10.5	105	1	70-130/30
95-49-8	2-Chlorotoluene	10	10.6	106	10.1	101	5	70-130/30
56-23-5	Carbon tetrachloride	10	9.5	95	9.3	93	2	70-130/30
110-82-7	Cyclohexane	10	10.1	101	10.1	101	0	70-130/30
75-34-3	1,1-Dichloroethane	10	10.4	104	10.3	103	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.3	93	9.2	92	1	70-130/30
106-93-4	1,2-Dibromoethane	10	11.4	114	11.1	111	3	70-130/30
107-06-2	1,2-Dichloroethane	10	10.7	107	10.5	105	2	70-130/30
78-87-5	1,2-Dichloropropane	10	11.3	113	11.0	110	3	70-130/30
123-91-1	1,4-Dioxane	10	10.8	108	10.8	108	0	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.9	99	9.7	97	2	70-130/30
124-48-1	Dibromochloromethane	10	10.6	106	10.3	103	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.6	96	9.4	94	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.7	97	9.6	96	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.9	109	10.6	106	3	70-130/30
541-73-1	m-Dichlorobenzene	10	10.4	104	9.8	98	6	70-130/30
95-50-1	o-Dichlorobenzene	10	10.3	103	9.7	97	6	70-130/30
106-46-7	p-Dichlorobenzene	10	10.5	105	9.8	98	7	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.3	113	10.9	109	4	70-130/30
64-17-5	Ethanol	10	10.5	105	10.5	105	0	70-130/30
100-41-4	Ethylbenzene	10	10.5	105	10.1	101	4	70-130/30
141-78-6	Ethyl Acetate	10	11.0	110	10.6	106	4	70-130/30
622-96-8	4-Ethyltoluene	10	11.2	112	10.3	103	8	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2086-BS	W52208.D	1	10/29/15	YMH	n/a	n/a	VW2086
VW2086-BSD	W52209.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-2, JC7272-3, JC7272-4, JC7272-5, JC7272-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.5	95	9.4	94	1	70-130/30
76-14-2	Freon 114	10	10	100	9.8	98	2	70-130/30
142-82-5	Heptane	10	10.6	106	10.4	104	2	70-130/30
87-68-3	Hexachlorobutadiene	10	8.6	86	8.2	82	5	70-130/30
110-54-3	Hexane	10	10.3	103	10.2	102	1	70-130/30
591-78-6	2-Hexanone	10	10.5	105	10.4	104	1	70-130/30
67-63-0	Isopropyl Alcohol	10	9.8	98	9.7	97	1	70-130/30
75-09-2	Methylene chloride	10	10.3	103	10.2	102	1	70-130/30
78-93-3	Methyl ethyl ketone	10	10.6	106	10.4	104	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.4	104	10.1	101	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.0	100	9.8	98	2	70-130/30
80-62-6	Methylmethacrylate	10	11.3	113	10.9	109	4	70-130/30
115-07-1	Propylene	10	9.7	97	9.4	94	3	70-130/30
100-42-5	Styrene	10	11.4	114	11.0	110	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.8	98	9.6	96	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.1	111	10.6	106	5	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.4	114	11.0	110	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.7	87	8.1	81	7	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.0	110	10.4	104	6	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.5	105	10.2	102	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	10.7	107	10.5	105	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	9.4	94	9.5	95	1	70-130/30
127-18-4	Tetrachloroethylene	10	10.2	102	10.0	100	2	70-130/30
109-99-9	Tetrahydrofuran	10	10.8	108	10.7	107	1	70-130/30
108-88-3	Toluene	10	11.2	112	11.0	110	2	70-130/30
79-01-6	Trichloroethylene	10	10.8	108	10.5	105	3	70-130/30
75-69-4	Trichlorofluoromethane	10	9.5	95	9.4	94	1	70-130/30
75-01-4	Vinyl chloride	10	10.9	109	10.6	106	3	70-130/30
108-05-4	Vinyl Acetate	10	11.0	110	10.8	108	2	70-130/30
	m,p-Xylene	20	21.4	107	20.7	104	3	70-130/30
95-47-6	o-Xylene	10	11.3	113	10.9	109	4	70-130/30
1330-20-7	Xylenes (total)	30	32.7	109	31.6	105	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2086-BS	W52208.D	1	10/29/15	YMH	n/a	n/a	VW2086
VW2086-BSD	W52209.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-2, JC7272-3, JC7272-4, JC7272-5, JC7272-6

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	100%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2087-BS	W52237.D	1	10/30/15	YMH	n/a	n/a	VW2087
VW2087-BSD	W52239.D	1	10/30/15	YMH	n/a	n/a	VW2087

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
115-07-1	Propylene	10	10	100	9.4	94	6	70-130/30
79-01-6	Trichloroethylene	10	11.2	112	10.6	106	6	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	105%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W1930-BS2	3W50817.D	1	11/04/15	YMH	n/a	n/a	V3W1930
V3W1930-BSD2	3W50818.D	1	11/04/15	YMH	n/a	n/a	V3W1930

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	10	9.5	95	9.4	94	1	70-130/30
79-01-6	Trichloroethylene	10	9.6	96	9.5	95	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	114%	113%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W564-BS	5W14134.D	1	10/02/15	YMH	n/a	n/a	V5W564
V5W564-BSD	5W14135.D	1	10/02/15	YMH	n/a	n/a	V5W564

The QC reported here applies to the following samples: **Method:** TO-15

V5W564-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	10.9	109	9.9	99	10	70-130/30
106-99-0	1,3-Butadiene	10	11.4	114	10.3	103	10	70-130/30
71-43-2	Benzene	10	9.7	97	8.9	89	9	70-130/30
75-27-4	Bromodichloromethane	10	10.7	107	9.6	96	11	70-130/30
75-25-2	Bromoform	10	9.2	92	8.9	89	3	70-130/30
74-83-9	Bromomethane	10	10.6	106	9.8	98	8	70-130/30
593-60-2	Bromoethene	10	10.7	107	9.9	99	8	70-130/30
100-44-7	Benzyl Chloride	10	9.7	97	9.5	95	2	70-130/30
75-15-0	Carbon disulfide	10	10.9	109	10	100	9	70-130/30
108-90-7	Chlorobenzene	10	9.0	90	8.6	86	5	70-130/30
75-00-3	Chloroethane	10	11.6	116	10.6	106	9	70-130/30
67-66-3	Chloroform	10	10.1	101	9.3	93	8	70-130/30
74-87-3	Chloromethane	10	10.9	109	9.9	99	10	70-130/30
107-05-1	3-Chloropropene	10	10.7	107	9.9	99	8	70-130/30
95-49-8	2-Chlorotoluene	10	9.0	90	8.9	89	1	70-130/30
56-23-5	Carbon tetrachloride	10	9.8	98	9.0	90	9	70-130/30
110-82-7	Cyclohexane	10	9.8	98	9.2	92	6	70-130/30
75-34-3	1,1-Dichloroethane	10	10.2	102	9.4	94	8	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.3	103	9.4	94	9	70-130/30
106-93-4	1,2-Dibromoethane	10	10.2	102	9.4	94	8	70-130/30
107-06-2	1,2-Dichloroethane	10	9.6	96	8.9	89	8	70-130/30
78-87-5	1,2-Dichloropropane	10	11.2	112	10.1	101	10	70-130/30
123-91-1	1,4-Dioxane	10	11.1	111	9.9	99	11	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.5	105	9.5	95	10	70-130/30
124-48-1	Dibromochloromethane	10	10.4	104	9.5	95	9	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.4	104	9.5	95	9	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.2	102	9.4	94	8	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.3	103	9.2	92	11	70-130/30
541-73-1	m-Dichlorobenzene	10	8.8	88	8.6	86	2	70-130/30
95-50-1	o-Dichlorobenzene	10	8.8	88	8.6	86	2	70-130/30
106-46-7	p-Dichlorobenzene	10	8.6	86	8.3	83	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.8	108	9.8	98	10	70-130/30
64-17-5	Ethanol	10	10.9	109	9.8	98	11	70-130/30
100-41-4	Ethylbenzene	10	9.4	94	9.1	91	3	70-130/30
141-78-6	Ethyl Acetate	10	10.6	106	9.8	98	8	70-130/30
622-96-8	4-Ethyltoluene	10	9.3	93	8.9	89	4	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W564-BS	5W14134.D	1	10/02/15	YMH	n/a	n/a	V5W564
V5W564-BSD	5W14135.D	1	10/02/15	YMH	n/a	n/a	V5W564

The QC reported here applies to the following samples: **Method:** TO-15

V5W564-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.3	103	9.5	95	8	70-130/30
76-14-2	Freon 114	10	11.0	110	10.1	101	9	70-130/30
142-82-5	Heptane	10	10.9	109	9.8	98	11	70-130/30
87-68-3	Hexachlorobutadiene	10	7.9	79	8.0	80	1	70-130/30
110-54-3	Hexane	10	10.2	102	9.4	94	8	70-130/30
591-78-6	2-Hexanone	10	11.1	111	10	100	10	70-130/30
67-63-0	Isopropyl Alcohol	10	9.9	99	8.8	88	12	70-130/30
75-09-2	Methylene chloride	10	10.5	105	9.7	97	8	70-130/30
78-93-3	Methyl ethyl ketone	10	10.5	105	9.6	96	9	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.6	116	10.4	104	11	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.8	98	9.0	90	9	70-130/30
80-62-6	Methylmethacrylate	10	10.9	109	9.9	99	10	70-130/30
115-07-1	Propylene	10	10.3	103	9.3	93	10	70-130/30
100-42-5	Styrene	10	9.4	94	9.0	90	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.8	98	9.1	91	7	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10	100	9.6	96	4	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.7	107	9.7	97	10	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.2	82	8.1	81	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.6	96	9.1	91	5	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.1	91	8.8	88	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	11.1	111	9.9	99	11	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.3	103	9.4	94	9	70-130/30
127-18-4	Tetrachloroethylene	10	9.8	98	8.8	88	11	70-130/30
109-99-9	Tetrahydrofuran	10	10.4	104	9.6	96	8	70-130/30
108-88-3	Toluene	10	10.3	103	9.3	93	10	70-130/30
79-01-6	Trichloroethylene	10	10.3	103	9.2	92	11	70-130/30
75-69-4	Trichlorofluoromethane	10	10.3	103	9.5	95	8	70-130/30
75-01-4	Vinyl chloride	10	11.6	116	10.6	106	9	70-130/30
108-05-4	Vinyl Acetate	10	9.7	97	8.9	89	9	70-130/30
	m,p-Xylene	20	18.5	93	17.9	90	3	70-130/30
95-47-6	o-Xylene	10	9.7	97	9.3	93	4	70-130/30
1330-20-7	Xylenes (total)	30	28.2	94	27.2	91	4	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W564-BS	5W14134.D	1	10/02/15	YMH	n/a	n/a	V5W564
V5W564-BSD	5W14135.D	1	10/02/15	YMH	n/a	n/a	V5W564

The QC reported here applies to the following samples: **Method:** TO-15

V5W564-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	105%	103%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W565-BS	5W14155.D	1	10/05/15	YMH	n/a	n/a	V5W565
V5W565-BSD	5W14156.D	1	10/05/15	YMH	n/a	n/a	V5W565

The QC reported here applies to the following samples: **Method:** TO-15

V5W565-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	10.1	101	9.8	98	3	70-130/30
106-99-0	1,3-Butadiene	10	10.9	109	10.2	102	7	70-130/30
71-43-2	Benzene	10	9.1	91	9.0	90	1	70-130/30
75-27-4	Bromodichloromethane	10	9.9	99	9.8	98	1	70-130/30
75-25-2	Bromoform	10	10.4	104	10.0	100	4	70-130/30
74-83-9	Bromomethane	10	10.7	107	10.3	103	4	70-130/30
593-60-2	Bromoethene	10	10.8	108	10.4	104	4	70-130/30
100-44-7	Benzyl Chloride	10	10.4	104	10.1	101	3	70-130/30
75-15-0	Carbon disulfide	10	10.3	103	10.0	100	3	70-130/30
108-90-7	Chlorobenzene	10	9.6	96	9.3	93	3	70-130/30
75-00-3	Chloroethane	10	11.0	110	10.6	106	4	70-130/30
67-66-3	Chloroform	10	9.6	96	9.5	95	1	70-130/30
74-87-3	Chloromethane	10	10.6	106	9.6	96	10	70-130/30
107-05-1	3-Chloropropene	10	10.2	102	9.9	99	3	70-130/30
95-49-8	2-Chlorotoluene	10	10.1	101	9.6	96	5	70-130/30
56-23-5	Carbon tetrachloride	10	9.4	94	9.4	94	0	70-130/30
110-82-7	Cyclohexane	10	9.0	90	8.9	89	1	70-130/30
75-34-3	1,1-Dichloroethane	10	9.5	95	9.2	92	3	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.7	97	9.3	93	4	70-130/30
106-93-4	1,2-Dibromoethane	10	9.8	98	9.9	99	1	70-130/30
107-06-2	1,2-Dichloroethane	10	9.0	90	8.9	89	1	70-130/30
78-87-5	1,2-Dichloropropane	10	10.0	100	9.9	99	1	70-130/30
123-91-1	1,4-Dioxane	10	10.4	104	10.3	103	1	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.4	104	9.9	99	5	70-130/30
124-48-1	Dibromochloromethane	10	10	100	10.3	103	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.6	96	9.4	94	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.4	94	9.3	93	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.4	94	9.4	94	0	70-130/30
541-73-1	m-Dichlorobenzene	10	9.9	99	9.5	95	4	70-130/30
95-50-1	o-Dichlorobenzene	10	9.8	98	9.6	96	2	70-130/30
106-46-7	p-Dichlorobenzene	10	9.6	96	9.2	92	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	9.9	99	9.8	98	1	70-130/30
64-17-5	Ethanol	10	10.1	101	9.4	94	7	70-130/30
100-41-4	Ethylbenzene	10	9.8	98	9.6	96	2	70-130/30
141-78-6	Ethyl Acetate	10	9.9	99	9.7	97	2	70-130/30
622-96-8	4-Ethyltoluene	10	10	100	9.7	97	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W565-BS	5W14155.D	1	10/05/15	YMH	n/a	n/a	V5W565
V5W565-BSD	5W14156.D	1	10/05/15	YMH	n/a	n/a	V5W565

The QC reported here applies to the following samples: **Method:** TO-15

V5W565-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.0	100	9.8	98	2	70-130/30
76-14-2	Freon 114	10	10.9	109	10.5	105	4	70-130/30
142-82-5	Heptane	10	10.0	100	10	100	0	70-130/30
87-68-3	Hexachlorobutadiene	10	9.2	92	8.7	87	6	70-130/30
110-54-3	Hexane	10	9.4	94	9.2	92	2	70-130/30
591-78-6	2-Hexanone	10	10.1	101	9.8	98	3	70-130/30
67-63-0	Isopropyl Alcohol	10	8.9	89	8.8	88	1	70-130/30
75-09-2	Methylene chloride	10	10.2	102	9.9	99	3	70-130/30
78-93-3	Methyl ethyl ketone	10	9.7	97	9.3	93	4	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.3	103	10.2	102	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.4	94	9.0	90	4	70-130/30
80-62-6	Methylmethacrylate	10	9.9	99	9.9	99	0	70-130/30
115-07-1	Propylene	10	10	100	8.8	88	13	70-130/30
100-42-5	Styrene	10	9.9	99	9.6	96	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.4	94	9.3	93	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.4	104	10.2	102	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.2	102	10.2	102	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	9.4	94	9.0	90	4	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.2	102	9.9	99	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.9	99	9.6	96	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.8	98	9.8	98	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	9.9	99	9.6	96	3	70-130/30
127-18-4	Tetrachloroethylene	10	9.8	98	9.9	99	1	70-130/30
109-99-9	Tetrahydrofuran	10	9.8	98	9.6	96	2	70-130/30
108-88-3	Toluene	10	9.7	97	9.7	97	0	70-130/30
79-01-6	Trichloroethylene	10	9.6	96	9.6	96	0	70-130/30
75-69-4	Trichlorofluoromethane	10	10.1	101	9.9	99	2	70-130/30
75-01-4	Vinyl chloride	10	11.4	114	10.6	106	7	70-130/30
108-05-4	Vinyl Acetate	10	8.8	88	8.5	85	3	70-130/30
	m,p-Xylene	20	19.4	97	18.8	94	3	70-130/30
95-47-6	o-Xylene	10	10.1	101	9.9	99	2	70-130/30
1330-20-7	Xylenes (total)	30	29.5	98	28.7	96	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W565-BS	5W14155.D	1	10/05/15	YMH	n/a	n/a	V5W565
V5W565-BSD	5W14156.D	1	10/05/15	YMH	n/a	n/a	V5W565

The QC reported here applies to the following samples: **Method:** TO-15

V5W565-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	104%	101%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC7140-1DUP	W52220.D	1	10/29/15	YMH	n/a	n/a	VW2086
JC7140-1	W52219.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-2, JC7272-3, JC7272-4, JC7272-5, JC7272-6

CAS No.	Compound	JC7140-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	17.2		16.6		4	27
106-99-0	1,3-Butadiene	ND		ND		nc	20
71-43-2	Benzene	0.64		0.64	J	0	17
75-27-4	Bromodichloromethane	ND		ND		nc	20
75-25-2	Bromoform	ND		ND		nc	20
74-83-9	Bromomethane	ND		ND		nc	20
593-60-2	Bromoethene	ND		ND		nc	30
100-44-7	Benzyl Chloride	ND		ND		nc	20
75-15-0	Carbon disulfide	5.8		5.7		2	11
108-90-7	Chlorobenzene	ND		ND		nc	20
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	12
74-87-3	Chloromethane	ND		ND		nc	22
107-05-1	3-Chloropropene	ND		ND		nc	10
95-49-8	2-Chlorotoluene	ND		ND		nc	20
56-23-5	Carbon tetrachloride	ND		ND		nc	10
110-82-7	Cyclohexane	ND		ND		nc	12
75-34-3	1,1-Dichloroethane	ND		ND		nc	20
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
107-06-2	1,2-Dichloroethane	ND		ND		nc	20
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
75-71-8	Dichlorodifluoromethane	0.55		0.55	J	0	22
124-48-1	Dibromochloromethane	ND		ND		nc	20
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
541-73-1	m-Dichlorobenzene	ND		ND		nc	20
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
64-17-5	Ethanol	32.6		31.9		2	33
100-41-4	Ethylbenzene	0.78		0.79	J	1	15
141-78-6	Ethyl Acetate	ND		ND		nc	20
622-96-8	4-Ethyltoluene	1.0		0.90		11	13

* = Outside of Control Limits.

Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC7140-1DUP	W52220.D	1	10/29/15	YMH	n/a	n/a	VW2086
JC7140-1	W52219.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-2, JC7272-3, JC7272-4, JC7272-5, JC7272-6

CAS No.	Compound	JC7140-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	10
76-14-2	Freon 114	ND		ND		nc	20
142-82-5	Heptane	1.0		1.1		10	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	20
110-54-3	Hexane	2.9		2.9		0	17
591-78-6	2-Hexanone	ND		ND		nc	20
67-63-0	Isopropyl Alcohol	0.80		0.76	J	5	26
75-09-2	Methylene chloride	ND		ND		nc	26
78-93-3	Methyl ethyl ketone	6.2		6.0		3	21
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	0.72		0.70	J	3	20
80-62-6	Methylmethacrylate	ND		ND		nc	20
115-07-1	Propylene	ND		ND		nc	16
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	20
95-63-6	1,2,4-Trimethylbenzene	1.8		1.8		0	19
108-67-8	1,3,5-Trimethylbenzene	0.79		0.77	J	3	13
540-84-1	2,2,4-Trimethylpentane	7.1		6.9		3	18
75-65-0	Tertiary Butyl Alcohol	0.99		0.97		2	21
127-18-4	Tetrachloroethylene	0.15		0.16		6	17
109-99-9	Tetrahydrofuran	6.2		6.0		3	20
108-88-3	Toluene	2.0		2.0		0	20
79-01-6	Trichloroethylene	ND		ND		nc	13
75-69-4	Trichlorofluoromethane	0.73		0.71	J	3	21
75-01-4	Vinyl chloride	ND		ND		nc	20
108-05-4	Vinyl Acetate	ND		ND		nc	20
	m,p-Xylene	2.6		2.6		0	26
95-47-6	o-Xylene	0.84		0.84		0	20
1330-20-7	Xylenes (total)	3.4		3.5		3	26

* = Outside of Control Limits.

Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC7140-1DUP	W52220.D	1	10/29/15	YMH	n/a	n/a	VW2086
JC7140-1	W52219.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-2, JC7272-3, JC7272-4, JC7272-5, JC7272-6

CAS No.	Surrogate Recoveries	DUP	JC7140-1	Limits
460-00-4	4-Bromofluorobenzene	94%	92%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC7121-1DUP	W52245.D	1	10/30/15	YMH	n/a	n/a	VW2087
JC7121-1	W52244.D	1	10/30/15	YMH	n/a	n/a	VW2087

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-1, JC7272-4

CAS No.	Compound	JC7121-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
115-07-1	Propylene	ND		ND		nc	16
79-01-6	Trichloroethylene	ND		ND		nc	13

CAS No.	Surrogate Recoveries	DUP	JC7121-1	Limits
460-00-4	4-Bromofluorobenzene	90%	90%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC7415-1DUP	3W50806.D	1	11/03/15	YMH	n/a	n/a	V3W1930
JC7415-1	3W50805.D	1	11/03/15	YMH	n/a	n/a	V3W1930

The QC reported here applies to the following samples: **Method:** TO-15

JC7272-5

CAS No.	Compound	JC7415-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
127-18-4	Tetrachloroethylene	ND		ND		nc	17
79-01-6	Trichloroethylene	ND		ND		nc	13

CAS No.	Surrogate Recoveries	DUP	JC7415-1	Limits
460-00-4	4-Bromofluorobenzene	92%	96%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W564-SCC	5W14152.D	1	10/03/15	YMH	n/a	n/a	V5W564

The QC reported here (Summa A612) applies to the following samples: **Method:** TO-15

Batch CP7988 cleaned 09/24/15: JC7272-1(A509), JC7272-2(A490), JC7272-3(A682), JC7272-5(A592), JC7272-6(A1222)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.032	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.031	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.030	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.032	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.020	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.020	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.026	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.032	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.022	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.029	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.032	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.031	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.035	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.026	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.050	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.037	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.041	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.020	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.035	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.030	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.048	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.064	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.022	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W564-SCC	5W14152.D	1	10/03/15	YMH	n/a	n/a	V5W564

The QC reported here (Summa A612) applies to the following samples: **Method:** TO-15

Batch CP7988 cleaned 09/24/15: JC7272-1(A509), JC7272-2(A490), JC7272-3(A682), JC7272-5(A592), JC7272-6(A1222)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.029	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.033	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.028	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.044	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.12	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.049	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.027	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.026	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.081	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.026	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.036	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.044	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.023	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.050	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.043	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.020	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.020	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.055	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.043	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W564-SCC	5W14152.D	1	10/03/15	YMH	n/a	n/a	V5W564

The QC reported here (Summa A612) applies to the following samples: **Method:** TO-15

Batch CP7988 cleaned 09/24/15: JC7272-1(A509), JC7272-2(A490), JC7272-3(A682), JC7272-5(A592), JC7272-6(A1222)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	65-128%

Summa Cleaning Certification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W565-SCC	5W14169.D	1	10/05/15	YMH	n/a	n/a	V5W565

The QC reported here (Summa A535) applies to the following samples: **Method:** TO-15

Batch CP7990 cleaned 09/28/15: JC7272-4(A427)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.032	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.031	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.030	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.032	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.020	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.020	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.026	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.032	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.022	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.029	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.032	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.031	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.035	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.026	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.050	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.037	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.041	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.020	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.035	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.030	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.048	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.064	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.022	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W565-SCC	5W14169.D	1	10/05/15	YMH	n/a	n/a	V5W565

The QC reported here (Summa A535) applies to the following samples: **Method:** TO-15

Batch CP7990 cleaned 09/28/15: JC7272-4(A427)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.029	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.033	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.028	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.044	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.12	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.049	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.027	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.026	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.081	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.026	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.036	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.044	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.023	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.050	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.043	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.020	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.020	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.055	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.043	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W565-SCC	5W14169.D	1	10/05/15	YMH	n/a	n/a	V5W565

The QC reported here (Summa A535) applies to the following samples: **Method:** TO-15

Batch CP7990 cleaned 09/28/15: JC7272-4(A427)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

Summa Cleaning Certification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2086-SCC	W52224.D	1	10/29/15	YMH	n/a	n/a	VW2086

The QC reported here (Summa A542) applies to the following samples: **Method:** TO-15

Batch CP8021 cleaned 10/16/15: JC7272-1(A408)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
115-07-1	Propylene	ND	0.50	0.081	ppbv		ND	0.86	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	65-128%

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V3W1928-BFB
Lab File ID: 3W50750.D
Instrument ID: GCMS3W
Injection Date: 10/31/15
Injection Time: 00:07

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	15611	18.3		Pass
75	30.0 - 66.0% of mass 95	38944	45.7		Pass
95	Base peak, 100% relative abundance	85256	100.0		Pass
96	5.0 - 9.0% of mass 95	5792	6.79		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	77120	90.5		Pass
175	4.0 - 9.01% of mass 174	6010	7.05	(7.79) [a]	Pass
176	93.0 - 101.0% of mass 174	74901	87.9	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	5167	6.06	(6.90) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W1928-ICC1928	3W50751.D	10/31/15	00:48	00:41	Initial cal 10
V3W1928-IC1928	3W50752.D	10/31/15	01:29	01:22	Initial cal 5
V3W1928-IC1928	3W50753.D	10/31/15	02:10	02:03	Initial cal 0.5
V3W1928-IC1928	3W50754.D	10/31/15	02:51	02:44	Initial cal 0.2
V3W1928-IC1928	3W50755.D	10/31/15	03:33	03:26	Initial cal 20
V3W1928-IC1928	3W50756.D	10/31/15	04:14	04:07	Initial cal 15
V3W1928-IC1928	3W50758.D	10/31/15	05:37	05:30	Initial cal 0.1
V3W1928-IC1928	3W50759.D	10/31/15	06:18	06:11	Initial cal 0.04
V3W1928-IC1928	3W50760.D	10/31/15	07:00	06:53	Initial cal 30
V3W1928-IC1928	3W50762.D	10/31/15	08:24	08:17	Initial cal 40
V3W1928-ICV1928	3W50764.D	10/31/15	09:46	09:39	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V3W1930-BFB
Lab File ID: 3W50794.D
Instrument ID: GCMS3W
Injection Date: 11/03/15
Injection Time: 08:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13682	19.0		Pass
75	30.0 - 66.0% of mass 95	34786	48.2		Pass
95	Base peak, 100% relative abundance	72194	100.0		Pass
96	5.0 - 9.0% of mass 95	5086	7.04		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	64781	89.7		Pass
175	4.0 - 9.01% of mass 174	5243	7.26	(8.09) [a]	Pass
176	93.0 - 101.0% of mass 174	63050	87.3	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	4231	5.86	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W1930-CC1928	3W50795.D	11/03/15	10:00	01:02	Continuing cal 10
V3W1930-BS	3W50796.D	11/03/15	10:46	01:48	Blank Spike
V3W1930-BSD	3W50797.D	11/03/15	11:43	02:45	Blank Spike Duplicate
V3W1930-MB	3W50799.D	11/03/15	13:11	04:13	Method Blank
ZZZZZZ	3W50800.D	11/03/15	14:33	05:35	(unrelated sample)
ZZZZZZ	3W50801.D	11/03/15	15:14	06:16	(unrelated sample)
ZZZZZZ	3W50802.D	11/03/15	15:57	06:59	(unrelated sample)
V3W1930-SCC	3W50803.D	11/03/15	16:40	07:42	Summa Cleaning Certification
ZZZZZZ	3W50804.D	11/03/15	17:25	08:27	(unrelated sample)
JC7415-1	3W50805.D	11/03/15	18:06	09:08	(used for QC only; not part of job JC7272)
JC7415-1DUP	3W50806.D	11/03/15	18:47	09:49	Duplicate
V3W1930-SCC	3W50809.D	11/03/15	20:54	11:56	Summa Cleaning Certification
ZZZZZZ	3W50810.D	11/03/15	21:36	12:38	(unrelated sample)
ZZZZZZ	3W50811.D	11/03/15	22:18	13:20	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V3W1930-BFB
Lab File ID: 3W50814.D
Instrument ID: GCMS3W
Injection Date: 11/04/15
Injection Time: 08:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	20610	18.8		Pass
75	30.0 - 66.0% of mass 95	50912	46.5		Pass
95	Base peak, 100% relative abundance	109546	100.0		Pass
96	5.0 - 9.0% of mass 95	7508	6.85		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	99264	90.6		Pass
175	4.0 - 9.01% of mass 174	7819	7.14	(7.88) [a]	Pass
176	93.0 - 101.0% of mass 174	96144	87.8	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	6605	6.03	(6.87) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W1930-CC1928	3W50816.D	11/04/15	10:28	01:41	Continuing cal 10
V3W1930-BS2	3W50817.D	11/04/15	11:21	02:34	Blank Spike
V3W1930-BSD2	3W50818.D	11/04/15	12:06	03:19	Blank Spike Duplicate
V3W1930-MB2	3W50820.D	11/04/15	13:32	04:45	Method Blank
JC7272-5	3W50821.D	11/04/15	14:41	05:54	SG-2

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V5W534-BFB
Lab File ID: 5W13508.D
Instrument ID: GCMS5W
Injection Date: 08/25/15
Injection Time: 19:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	32285	19.0		Pass
75	30.0 - 66.0% of mass 95	81205	47.7		Pass
95	Base peak, 100% relative abundance	170282	100.0		Pass
96	5.0 - 9.0% of mass 95	11369	6.68		Pass
173	Less than 2.0% of mass 174	353	0.21	(0.29) [a]	Pass
174	50.0 - 120.0% of mass 95	120538	70.8		Pass
175	4.0 - 9.01% of mass 174	9204	5.41	(7.64) [a]	Pass
176	93.0 - 101.0% of mass 174	116440	68.4	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	7750	4.55	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W534-ICC534	5W13509.D	08/25/15	20:16	00:43	Initial cal 10
V5W534-IC534	5W13510.D	08/25/15	20:57	01:24	Initial cal 5
V5W534-IC534	5W13511.D	08/25/15	21:40	02:07	Initial cal 0.5
V5W534-IC534	5W13512.D	08/25/15	22:21	02:48	Initial cal 0.2
ZZZZZZ	5W13512.D	08/25/15	22:21	02:48	(unrelated sample)
V5W534-IC534	5W13513.D	08/25/15	23:04	03:31	Initial cal 20
V5W534-IC534	5W13514.D	08/25/15	23:46	04:13	Initial cal 15
V5W534-IC534	5W13516.D	08/26/15	01:13	05:40	Initial cal 0.1
ZZZZZZ	5W13516.D	08/26/15	01:13	05:40	(unrelated sample)
ZZZZZZ	5W13517.D	08/26/15	01:54	06:21	(unrelated sample)
V5W534-IC534	5W13517.D	08/26/15	01:54	06:21	Initial cal 0.04
V5W534-IC534	5W13518.D	08/26/15	02:38	07:05	Initial cal 30
V5W534-IC534	5W13520.D	08/26/15	04:09	08:36	Initial cal 40
V5W534-ICV534	5W13522.D	08/26/15	05:36	10:03	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V5W564-BFB
Lab File ID: 5W14132.D
Instrument ID: GCMS5W
Injection Date: 10/02/15
Injection Time: 09:10

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	29584	18.5		Pass
75	30.0 - 66.0% of mass 95	75890	47.4		Pass
95	Base peak, 100% relative abundance	160128	100.0		Pass
96	5.0 - 9.0% of mass 95	10635	6.64		Pass
173	Less than 2.0% of mass 174	437	0.27	(0.38) [a]	Pass
174	50.0 - 120.0% of mass 95	114426	71.5		Pass
175	4.0 - 9.01% of mass 174	8830	5.51	(7.72) [a]	Pass
176	93.0 - 101.0% of mass 174	109928	68.7	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	7266	4.54	(6.61) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W564-CC534	5W14133.D	10/02/15	10:31	01:21	Continuing cal 10
V5W564-BS	5W14134.D	10/02/15	11:24	02:14	Blank Spike
V5W564-BSD	5W14135.D	10/02/15	12:15	03:05	Blank Spike Duplicate
V5W564-MB	5W14137.D	10/02/15	14:12	05:02	Method Blank
JC5084-3Q	5W14138.D	10/02/15	15:35	06:25	(used for QC only; not part of job JC7272)
JC5084-3QDUP	5W14139.D	10/02/15	16:25	07:15	Duplicate
V5W564-SCC	5W14144.D	10/02/15	20:25	11:15	Summa Cleaning Certification
ZZZZZZ	5W14147.D	10/02/15	22:30	13:20	(unrelated sample)
ZZZZZZ	5W14148.D	10/02/15	23:14	14:04	(unrelated sample)
ZZZZZZ	5W14149.D	10/02/15	23:57	14:47	(unrelated sample)
ZZZZZZ	5W14150.D	10/03/15	00:39	15:29	(unrelated sample)
ZZZZZZ	5W14151.D	10/03/15	01:24	16:14	(unrelated sample)
V5W564-SCC	5W14152.D	10/03/15	02:09	16:59	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V5W565-BFB
Lab File ID: 5W14153.D
Instrument ID: GCMS5W
Injection Date: 10/05/15
Injection Time: 08:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	29130	17.1		Pass
75	30.0 - 66.0% of mass 95	78557	46.0		Pass
95	Base peak, 100% relative abundance	170666	100.0		Pass
96	5.0 - 9.0% of mass 95	11331	6.64		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	136106	79.7		Pass
175	4.0 - 9.01% of mass 174	10115	5.93	(7.43) [a]	Pass
176	93.0 - 101.0% of mass 174	131573	77.1	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	8612	5.05	(6.55) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W565-CC534	5W14154.D	10/05/15	08:50	00:48	Continuing cal 10
V5W565-BS	5W14155.D	10/05/15	10:10	02:08	Blank Spike
V5W565-BSD	5W14156.D	10/05/15	10:52	02:50	Blank Spike Duplicate
V5W565-MB	5W14158.D	10/05/15	12:36	04:34	Method Blank
JC5289-1	5W14163.D	10/05/15	17:15	09:13	(used for QC only; not part of job JC7272)
JC5289-1DUP	5W14164.D	10/05/15	18:04	10:02	Duplicate
ZZZZZZ	5W14165.D	10/05/15	18:46	10:44	(unrelated sample)
ZZZZZZ	5W14166.D	10/05/15	19:27	11:25	(unrelated sample)
ZZZZZZ	5W14167.D	10/05/15	20:09	12:07	(unrelated sample)
ZZZZZZ	5W14168.D	10/05/15	20:51	12:49	(unrelated sample)
V5W565-SCC	5W14169.D	10/05/15	21:36	13:34	Summa Cleaning Certification
ZZZZZZ	5W14170.D	10/05/15	22:20	14:18	(unrelated sample)
ZZZZZZ	5W14171.D	10/05/15	23:03	15:01	(unrelated sample)
ZZZZZZ	5W14172.D	10/05/15	23:46	15:44	(unrelated sample)
ZZZZZZ	5W14173.D	10/06/15	00:28	16:26	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VW2080-BFB
Lab File ID: W52087.D
Instrument ID: GCMSW
Injection Date: 10/22/15
Injection Time: 10:14

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13008	16.2		Pass
75	30.0 - 66.0% of mass 95	35693	44.4		Pass
95	Base peak, 100% relative abundance	80341	100.0		Pass
96	5.0 - 9.0% of mass 95	5414	6.74		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	68952	85.8		Pass
175	4.0 - 9.01% of mass 174	4895	6.09	(7.10) [a]	Pass
176	93.0 - 101.0% of mass 174	67224	83.7	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	4411	5.49	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW2080-ICC2080	W52088.D	10/22/15	10:55	00:41	Initial cal 10
VW2080-IC2080	W52089.D	10/22/15	11:35	01:21	Initial cal 5
VW2080-IC2080	W52090.D	10/22/15	12:16	02:02	Initial cal 0.5
VW2080-IC2080	W52091.D	10/22/15	12:56	02:42	Initial cal 0.2
VW2080-IC2080	W52092.D	10/22/15	13:37	03:23	Initial cal 20
VW2080-IC2080	W52093.D	10/22/15	14:18	04:04	Initial cal 15
VW2080-IC2080	W52095.D	10/22/15	15:40	05:26	Initial cal 0.1
VW2080-IC2080	W52096.D	10/22/15	16:21	06:07	Initial cal 0.04
VW2080-IC2080	W52097.D	10/22/15	17:02	06:48	Initial cal 30
VW2080-IC2080	W52099.D	10/22/15	18:25	08:11	Initial cal 40
VW2080-ICV2080	W52101.D	10/22/15	19:47	09:33	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VW2086-BFB
Lab File ID: W52206.D
Instrument ID: GCMSW
Injection Date: 10/29/15
Injection Time: 09:08

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	9961	17.7		Pass
75	30.0 - 66.0% of mass 95	25808	45.8		Pass
95	Base peak, 100% relative abundance	56378	100.0		Pass
96	5.0 - 9.0% of mass 95	3644	6.46		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	44957	79.7		Pass
175	4.0 - 9.01% of mass 174	3258	5.78	(7.25) [a]	Pass
176	93.0 - 101.0% of mass 174	43640	77.4	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	2954	5.24	(6.77) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W52206.D	10/29/15	09:08	00:00	(unrelated sample)
VW2086-CC2080	W52207.D	10/29/15	09:58	00:50	Continuing cal 10
VW2086-BS	W52208.D	10/29/15	10:40	01:32	Blank Spike
VW2086-BSD	W52209.D	10/29/15	11:21	02:13	Blank Spike Duplicate
VW2086-MB	W52211.D	10/29/15	12:51	03:43	Method Blank
ZZZZZZ	W52212.D	10/29/15	13:31	04:23	(unrelated sample)
ZZZZZZ	W52213.D	10/29/15	14:50	05:42	(unrelated sample)
ZZZZZZ	W52214.D	10/29/15	15:31	06:23	(unrelated sample)
ZZZZZZ	W52217.D	10/29/15	17:34	08:26	(unrelated sample)
JC7140-1	W52219.D	10/29/15	18:56	09:48	(used for QC only; not part of job JC7272)
JC7140-1DUP	W52220.D	10/29/15	19:37	10:29	Duplicate
ZZZZZZ	W52221.D	10/29/15	20:18	11:10	(unrelated sample)
ZZZZZZ	W52222.D	10/29/15	20:58	11:50	(unrelated sample)
ZZZZZZ	W52223.D	10/29/15	21:40	12:32	(unrelated sample)
VW2086-SCC	W52224.D	10/29/15	22:20	13:12	Summa Cleaning Certification
ZZZZZZ	W52225.D	10/29/15	23:02	13:54	(unrelated sample)
ZZZZZZ	W52226.D	10/29/15	23:42	14:34	(unrelated sample)
ZZZZZZ	W52227.D	10/30/15	00:23	15:15	(unrelated sample)
ZZZZZZ	W52228.D	10/30/15	01:04	15:56	(unrelated sample)
JC7272-1	W52229.D	10/30/15	01:45	16:37	SG-5
JC7272-2	W52230.D	10/30/15	02:26	17:18	SG-4
JC7272-3	W52231.D	10/30/15	03:07	17:59	SG-6
JC7272-4	W52232.D	10/30/15	03:48	18:40	SG-1
JC7272-5	W52233.D	10/30/15	04:28	19:20	SG-2

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VW2086-BFB
Lab File ID: W52206.D
Instrument ID: GCMSW
Injection Date: 10/29/15
Injection Time: 09:08

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JC7272-6	W52234.D	10/30/15	05:09	20:01	SG-3

Instrument Performance Check (BFB)

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VW2087-BFB
Lab File ID: W52235.D
Instrument ID: GCMSW
Injection Date: 10/30/15
Injection Time: 08:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	7692	15.6		Pass
75	30.0 - 66.0% of mass 95	21322	43.4		Pass
95	Base peak, 100% relative abundance	49168	100.0		Pass
96	5.0 - 9.0% of mass 95	3171	6.45		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	43170	87.8		Pass
175	4.0 - 9.01% of mass 174	3183	6.47	(7.37) [a]	Pass
176	93.0 - 101.0% of mass 174	41554	84.5	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	2727	5.55	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W52235.D	10/30/15	08:42	00:00	(unrelated sample)
VW2087-CC2080	W52236.D	10/30/15	09:24	00:42	Continuing cal 10
VW2087-BS	W52237.D	10/30/15	10:05	01:23	Blank Spike
VW2087-BSD	W52239.D	10/30/15	11:34	02:52	Blank Spike Duplicate
VW2087-MB	W52241.D	10/30/15	12:59	04:17	Method Blank
ZZZZZZ	W52242.D	10/30/15	14:24	05:42	(unrelated sample)
ZZZZZZ	W52243.D	10/30/15	15:05	06:23	(unrelated sample)
JC7121-1	W52244.D	10/30/15	15:46	07:04	(used for QC only; not part of job JC7272)
JC7121-1DUP	W52245.D	10/30/15	16:27	07:45	Duplicate
ZZZZZZ	W52246.D	10/30/15	17:08	08:26	(unrelated sample)
VW2087-SCC	W52247.D	10/30/15	17:49	09:07	Summa Cleaning Certification
ZZZZZZ	W52248.D	10/30/15	18:30	09:48	(unrelated sample)
ZZZZZZ	W52249.D	10/30/15	19:11	10:29	(unrelated sample)
ZZZZZZ	W52250.D	10/30/15	19:52	11:10	(unrelated sample)
ZZZZZZ	W52251.D	10/30/15	20:32	11:50	(unrelated sample)
ZZZZZZ	W52252.D	10/30/15	21:13	12:31	(unrelated sample)
ZZZZZZ	W52253.D	10/30/15	21:54	13:12	(unrelated sample)
VW2087-SCC	W52254.D	10/30/15	22:35	13:53	Summa Cleaning Certification
JC7272-1	W52255.D	10/30/15	23:16	14:34	SG-5
JC7272-4	W52256.D	10/30/15	23:57	15:15	SG-1
ZZZZZZ	W52258.D	10/31/15	01:18	16:36	(unrelated sample)
ZZZZZZ	W52259.D	10/31/15	01:59	17:17	(unrelated sample)
ZZZZZZ	W52260.D	10/31/15	02:39	17:57	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	V3W1930-CC1928	**Injection Date:**	11/03/15
Lab File ID:	3W50795.D	**Injection Time:**	10:00
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	123002	7.13	584915	8.70	297981	12.83
Upper Limit [a]	172203	7.46	818881	9.03	417173	13.16
Lower Limit [b]	73801	6.80	350949	8.37	178789	12.50

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W1930-BS	145199	7.13	707368	8.70	355794	12.83
V3W1930-BSD	151397	7.13	729995	8.70	358413	12.83
V3W1930-MB	142236	7.13	633260	8.70	247100	12.83
ZZZZZZ	130048	7.13	635936	8.70	886114[c]	12.82
ZZZZZZ	164666	7.13	767251	8.70	340773	12.83
ZZZZZZ	162143	7.13	756121	8.70	324800	12.83
V3W1930-SCC	150739	7.13	676721	8.70	263032	12.83
ZZZZZZ	150716	7.13	706769	8.70	298808	12.83
JC7415-1	146435	7.13	680861	8.70	291796	12.83
JC7415-1DUP	144270	7.13	662938	8.70	286938	12.82
V3W1930-SCC	131336	7.13	590245	8.70	234753	12.83
ZZZZZZ	131992	7.13	648980	8.70	313785	12.83
ZZZZZZ	151117	7.13	740272	8.70	352888	12.83

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside control limits due to matrix interference.

Volatile Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	V3W1930-CC1928	**Injection Date:**	11/04/15
Lab File ID:	3W50816.D	**Injection Time:**	10:28
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	143691	7.13	678089	8.70	335731	12.83
Upper Limit [a]	201167	7.46	949325	9.03	470023	13.16
Lower Limit [b]	86215	6.80	406853	8.37	201439	12.50

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W1930-BS2	145496	7.13	693712	8.70	340717	12.83
V3W1930-BSD2	146756	7.13	707642	8.70	350471	12.83
V3W1930-MB2	133854	7.13	612367	8.70	238622	12.83
JC7272-5	127208	7.13	576199	8.70	236382	12.83

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	V5W564-CC534	**Injection Date:**	10/02/15
Lab File ID:	5W14133.D	**Injection Time:**	10:31
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	172699	8.50	648662	10.65	380587	16.15
Upper Limit [a]	241779	8.83	908127	10.98	532822	16.48
Lower Limit [b]	103619	8.17	389197	10.32	228352	15.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W564-BS	183018	8.50	658366	10.65	403874	16.15
V5W564-BSD	202609	8.50	748440	10.65	426668	16.15
V5W564-MB	170409	8.49	642134	10.65	336738	16.15
JC5084-3Q	162782	8.51	615181	10.65	327113	16.15
JC5084-3QDUP	179371	8.50	672621	10.65	360305	16.15
V5W564-SCC	184016	8.49	701519	10.65	385410	16.15
ZZZZZZ	124620	8.50	482851	10.65	283967	16.15
ZZZZZZ	126266	8.50	485944	10.65	283465	16.15
ZZZZZZ	135655	8.51	516448	10.65	306291	16.15
ZZZZZZ	133961	8.49	516029	10.65	297065	16.15
ZZZZZZ	130223	8.49	502138	10.65	301019	16.15
V5W564-SCC	145202	8.49	554722	10.65	314450	16.15

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	V5W565-CC534	**Injection Date:**	10/05/15
Lab File ID:	5W14154.D	**Injection Time:**	08:50
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	172771	8.49	641614	10.65	361888	16.15
Upper Limit [a]	241879	8.82	898260	10.98	506643	16.48
Lower Limit [b]	103663	8.16	384968	10.32	217133	15.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W565-BS	179693	8.49	662379	10.65	360905	16.15
V5W565-BSD	181702	8.49	667922	10.65	373269	16.15
V5W565-MB	158807	8.49	587432	10.65	308092	16.15
JC5289-1	140903	8.49	525331	10.65	291528	16.15
JC5289-1DUP	133022	8.49	509807	10.64	286147	16.15
ZZZZZZ	137724	8.51	533981	10.65	324243	16.15
ZZZZZZ	144491	8.51	562431	10.66	358395	16.15
ZZZZZZ	142985	8.51	558522	10.66	346080	16.15
ZZZZZZ	158005	8.51	622703	10.65	386684	16.15
V5W565-SCC	180903	8.49	675813	10.65	351650	16.15
ZZZZZZ	164664	8.49	645710	10.65	369483	16.15
ZZZZZZ	171373	8.50	676527	10.65	382308	16.15
ZZZZZZ	174288	8.49	678405	10.65	374873	16.15
ZZZZZZ	155270	8.54	602561	10.68	351871	16.15

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	VW2086-CC2080	**Injection Date:**	10/29/15
Lab File ID:	W52207.D	**Injection Time:**	09:58
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	95161	9.28	483607	11.01	228987	15.28
Upper Limit [a]	133225	9.61	677050	11.34	320582	15.61
Lower Limit [b]	57097	8.95	290164	10.68	137392	14.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW2086-BS	99562	9.28	489458	11.01	239669	15.28
VW2086-BSD	101953	9.28	502661	11.01	246518	15.28
VW2086-MB	99674	9.28	501526	11.00	218891	15.28
ZZZZZZ	94707	9.28	438941	11.00	191951	15.28
ZZZZZZ	96934	9.28	472323	11.00	225170	15.28
ZZZZZZ	86155	9.28	417662	11.01	188171	15.28
ZZZZZZ	97159	9.28	455169	11.01	200812	15.28
JC7140-1	87346	9.28	449468	11.00	197225	15.28
JC7140-1DUP	89358	9.28	450379	11.00	198755	15.28
ZZZZZZ	85620	9.28	426442	11.01	185160	15.28
ZZZZZZ	93663	9.28	463663	11.01	201142	15.28
ZZZZZZ	93529	9.28	468108	11.01	199595	15.28
VW2086-SCC	85963	9.28	401898	11.00	145407	15.28
ZZZZZZ	86490	9.28	419148	11.01	182032	15.28
ZZZZZZ	88771	9.28	404119	11.00	169818	15.28
ZZZZZZ	86768	9.29	403016	11.02	173664	15.28
ZZZZZZ	89650	9.28	421420	11.01	183003	15.28
JC7272-1	97718	9.28	487292	11.01	224778	15.28
JC7272-2	92861	9.29	453852	11.01	192662	15.28
JC7272-3	90619	9.29	429422	11.01	182443	15.28
JC7272-4	90715	9.29	435580	11.01	188185	15.28
JC7272-5	91410	9.28	425064	11.00	187816	15.28
JC7272-6	86690	9.29	412459	11.01	177570	15.28
ZZZZZZ	88187	9.28	419357	11.00	177568	15.28

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Check Std:	VW2087-CC2080	**Injection Date:**	10/30/15
Lab File ID:	W52236.D	**Injection Time:**	09:24
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	89477	9.28	416496	11.01	202213	15.28
Upper Limit [a]	125268	9.61	583094	11.34	283098	15.61
Lower Limit [b]	53686	8.95	249898	10.68	121328	14.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW2087-BS	84799	9.28	410107	11.00	194930	15.28
VW2087-BSD	89246	9.28	437140	11.00	211024	15.28
VW2087-MB	98611	9.28	448638	11.01	191069	15.28
ZZZZZZ	80839	9.29	367078	11.02	158710	15.28
ZZZZZZ	89083	9.29	429835	11.02	183770	15.28
JC7121-1	84142	9.29	387658	11.01	166227	15.28
JC7121-1DUP	82890	9.29	386910	11.02	164070	15.28
ZZZZZZ	100512	9.28	466727	11.02	192091	15.28
VW2087-SCC	82156	9.28	363181	11.00	154164	15.28
ZZZZZZ	93477	9.30	452706	11.02	194346	15.28
ZZZZZZ	92891	9.28	450034	11.01	193563	15.28
ZZZZZZ	95186	9.28	447055	11.00	240744	15.28
ZZZZZZ	93849	9.28	458024	11.01	193524	15.28
ZZZZZZ	88267	9.29	439698	11.01	242336	15.28
ZZZZZZ	101487	9.28	484944	11.01	208895	15.28
VW2087-SCC	75870	9.28	327271	11.00	136786	15.28
JC7272-1	88903	9.30	427742	11.02	183654	15.28
JC7272-4	78577	9.28	365706	11.01	162784	15.28
ZZZZZZ	78591	9.28	372652	11.01	172689	15.28
ZZZZZZ	78852	9.30	381076	11.02	180097	15.28
ZZZZZZ	86071	9.29	391809	11.01	176932	15.28
ZZZZZZ	78025	9.29	368510	11.01	157560	15.28

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.16	7.14	0.723	ok	0.725	0.665-0.785
Acrylonitrile	5.43	7.14	0.761	ok	0.764	0.704-0.824
Acetonitrile	5.05	7.14	0.707	ok	0.709	0.649-0.769
1,3-Butadiene	4.60	7.14	0.644	ok	0.645	0.585-0.705
Benzene	8.39	8.71	0.963	ok	0.964	0.904-1.024
Bromobenzene	14.70	12.83	1.146	ok	1.145	1.085-1.205
Bromodichloromethane	9.28	8.71	1.065	ok	1.066	1.006-1.126
Bromoform	13.53	12.83	1.055	ok	1.055	0.995-1.115
Bromomethane	4.75	7.14	0.665	ok	0.665	0.605-0.725
Bromoethene	5.02	7.14	0.703	ok	0.704	0.644-0.764
n-Butane	4.61	7.14	0.646	ok	0.647	0.587-0.707
Benzyl Chloride	16.15	12.83	1.259	ok	1.259	1.199-1.319
n-Butylbenzene	17.02	12.83	1.327	ok	1.326	1.266-1.386
sec-Butylbenzene	16.29	12.83	1.270	ok	1.269	1.209-1.329
tert-Butylbenzene	15.95	12.83	1.243	ok	1.243	1.183-1.303
Carbon disulfide	5.86	7.14	0.821	ok	0.822	0.762-0.882
Chlorobenzene	12.88	12.83	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.27	7.14	0.598	ok	0.598	0.538-0.658
Chloroethane	4.83	7.14	0.676	ok	0.677	0.617-0.737
Chloroform	7.22	7.14	1.011	ok	1.012	0.952-1.072
Chloromethane	4.42	7.14	0.619	ok	0.620	0.560-0.680
3-Chloropropene	5.74	7.14	0.804	ok	0.804	0.744-0.864
2-Chlorotoluene	15.14	12.83	1.180	ok	1.180	1.120-1.240
Carbon tetrachloride	8.51	7.14	1.192	ok	1.193	1.133-1.253
Cyclohexane	8.55	8.71	0.982	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.40	7.14	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	5.60	7.14	0.784	ok	0.785	0.725-0.845
1,2-Dibromoethane	11.67	12.83	0.910	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.79	7.14	1.091	ok	1.092	1.032-1.152
1,2-Dichloropropane	9.07	8.71	1.041	ok	1.042	0.982-1.102
1,4-Dioxane	9.37	8.71	1.076	ok	1.083	1.023-1.143
Dichlorodifluoromethane	4.33	7.14	0.606	ok	0.607	0.547-0.667
Dichlorofluoromethane	4.88	7.14	0.683	ok	0.684	0.624-0.744
Dibromochloromethane	11.47	12.83	0.894	ok	0.894	0.834-0.954
Dibromomethane	9.09	8.71	1.044	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.24	7.14	0.874	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.03	7.14	0.985	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.12	8.71	1.162	ok	1.163	1.103-1.223

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	Reporting this level
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V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.15	12.83	1.259	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.67	12.83	1.299	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.24	12.83	1.266	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.62	8.71	1.219	ok	1.221	1.161-1.281
Di-Isopropyl ether	7.09	7.14	0.993	ok	0.996	0.936-1.056
2,3-Dimethylpentane	8.73	8.71	1.002	ok	1.003	0.943-1.063
2,4-Dimethylpentane	7.75	7.14	1.085	ok	1.086	1.026-1.146
Ethanol	4.93	7.14	0.690	ok	0.692	0.632-0.752
Ethylbenzene	13.25	12.83	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.16	7.14	1.003	ok	1.005	0.945-1.065
4-Ethyltoluene	15.36	12.83	1.197	ok	1.197	1.137-1.257
Freon 113	5.81	7.14	0.814	ok	0.815	0.755-0.875
Freon 114	4.46	7.14	0.625	ok	0.625	0.565-0.685
Freon 123	5.08	7.14	0.711	ok	0.712	0.652-0.772
Freon 123A	5.11	7.14	0.716	ok	0.716	0.656-0.776
Freon 152A	4.25	7.14	0.595	ok	0.595	0.535-0.655
Heptane	9.49	8.71	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.35	12.83	1.508	ok	1.508	1.448-1.568
Hexachloroethane	17.50	12.83	1.364	ok	1.364	1.304-1.424
Hexane	7.07	7.14	0.990	ok	0.991	0.931-1.051
2-Hexanone	11.31	12.83	0.882	ok	0.883	0.823-0.943
Iodomethane	5.56	7.14	0.779	ok	0.780	0.720-0.840
Isopropylbenzene	14.60	12.83	1.138	ok	1.137	1.077-1.197
Isopropyl Alcohol	5.31	7.14	0.744	ok	0.747	0.687-0.807
p-Isopropyltoluene	16.50	12.83	1.286	ok	1.286	1.226-1.346
Methylene chloride	5.68	7.14	0.796	ok	0.796	0.736-0.856
Methyl ethyl ketone	6.67	7.14	0.934	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	10.13	8.71	1.163	ok	1.167	1.107-1.227
Methyl Tert Butyl Ether	6.41	7.14	0.898	ok	0.901	0.841-0.961
Methylmethacrylate	9.52	8.71	1.093	ok	1.095	1.035-1.155
Naphthalene	18.92	12.83	1.475	ok	1.474	1.414-1.534
Nonane	14.16	12.83	1.104	ok	1.103	1.043-1.163
Octane	11.96	12.83	0.932	ok	0.932	0.872-0.992
Pentane	5.40	7.14	0.756	ok	0.756	0.696-0.816
n-Propylbenzene	15.19	12.83	1.184	ok	1.183	1.123-1.243
Propylene	4.29	7.14	0.601	ok	0.601	0.541-0.661
Styrene	13.85	12.83	1.080	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	7.99	7.14	1.119	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	12.86	12.83	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	13.96	12.83	1.088	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.78	8.71	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.83	1.464	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.09	12.83	1.098	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.95	12.83	1.243	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.46	12.83	1.205	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.24	8.71	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.65	7.14	0.791	ok	0.797	0.737-0.857
Tetrachloroethylene	12.15	12.83	0.947	ok	0.947	0.887-1.007
Tetrahydrofuran	7.54	7.14	1.056	ok	1.062	1.002-1.122
Toluene	11.03	8.71	1.266	ok	1.268	1.208-1.328
Trichloroethylene	9.30	8.71	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.23	7.14	0.732	ok	0.734	0.674-0.794
Vinyl chloride	4.53	7.14	0.634	ok	0.635	0.575-0.695
Vinyl Acetate	6.50	7.14	0.910	ok	0.912	0.852-0.972
m,p-Xylene	13.44	12.83	1.048	ok	1.048	0.988-1.108
o-Xylene	13.95	12.83	1.087	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.40	7.14	0.756	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.49	8.71	1.090	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.14	ok	7.14	6.81-7.47	128821	ok	136604	81962-191246
1,4-Difluorobenzene	8.71	ok	8.71	8.38-9.04	639935	ok	663311	397987-928635
Chlorobenzene-D5	12.83	ok	12.83	12.50-13.16	315760	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.17	7.13	0.725	ok	0.725	0.665-0.785
Acrylonitrile	5.44	7.13	0.763	ok	0.764	0.704-0.824
Acetonitrile	5.05	7.13	0.708	ok	0.709	0.649-0.769
1,3-Butadiene	4.60	7.13	0.645	ok	0.645	0.585-0.705
Benzene	8.39	8.70	0.964	ok	0.964	0.904-1.024
Bromobenzene	14.70	12.83	1.146	ok	1.145	1.085-1.205
Bromodichloromethane	9.28	8.70	1.067	ok	1.066	1.006-1.126
Bromoform	13.53	12.83	1.055	ok	1.055	0.995-1.115
Bromomethane	4.75	7.13	0.666	ok	0.665	0.605-0.725
Bromoethene	5.02	7.13	0.704	ok	0.704	0.644-0.764
n-Butane	4.61	7.13	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	16.15	12.83	1.259	ok	1.259	1.199-1.319
n-Butylbenzene	17.02	12.83	1.327	ok	1.326	1.266-1.386
sec-Butylbenzene	16.29	12.83	1.270	ok	1.269	1.209-1.329
tert-Butylbenzene	15.94	12.83	1.242	ok	1.243	1.183-1.303
Carbon disulfide	5.86	7.13	0.822	ok	0.822	0.762-0.882
Chlorobenzene	12.88	12.83	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.27	7.13	0.599	ok	0.598	0.538-0.658
Chloroethane	4.83	7.13	0.677	ok	0.677	0.617-0.737
Chloroform	7.22	7.13	1.013	ok	1.012	0.952-1.072
Chloromethane	4.42	7.13	0.620	ok	0.620	0.560-0.680
3-Chloropropene	5.74	7.13	0.805	ok	0.804	0.744-0.864
2-Chlorotoluene	15.14	12.83	1.180	ok	1.180	1.120-1.240
Carbon tetrachloride	8.51	7.13	1.194	ok	1.193	1.133-1.253
Cyclohexane	8.55	8.70	0.983	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.39	7.13	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	5.61	7.13	0.787	ok	0.785	0.725-0.845
1,2-Dibromoethane	11.66	12.83	0.909	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.79	7.13	1.093	ok	1.092	1.032-1.152
1,2-Dichloropropane	9.07	8.70	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	9.38	8.70	1.078	ok	1.083	1.023-1.143
Dichlorodifluoromethane	4.33	7.13	0.607	ok	0.607	0.547-0.667
Dichlorofluoromethane	4.88	7.13	0.684	ok	0.684	0.624-0.744
Dibromochloromethane	11.46	12.83	0.893	ok	0.894	0.834-0.954
Dibromomethane	9.09	8.70	1.045	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.25	7.13	0.877	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.02	7.13	0.985	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.12	8.70	1.163	ok	1.163	1.103-1.223

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
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V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.14	12.83	1.258	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.67	12.83	1.299	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.23	12.83	1.265	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.62	8.70	1.221	ok	1.221	1.161-1.281
Di-Isopropyl ether	7.09	7.13	0.994	ok	0.996	0.936-1.056
2,3-Dimethylpentane	8.73	8.70	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	7.75	7.13	1.087	ok	1.086	1.026-1.146
Ethanol	4.93	7.13	0.691	ok	0.692	0.632-0.752
Ethylbenzene	13.25	12.83	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.16	7.13	1.004	ok	1.005	0.945-1.065
4-Ethyltoluene	15.36	12.83	1.197	ok	1.197	1.137-1.257
Freon 113	5.81	7.13	0.815	ok	0.815	0.755-0.875
Freon 114	4.46	7.13	0.626	ok	0.625	0.565-0.685
Freon 123	5.08	7.13	0.712	ok	0.712	0.652-0.772
Freon 123A	5.11	7.13	0.717	ok	0.716	0.656-0.776
Freon 152A	4.25	7.13	0.596	ok	0.595	0.535-0.655
Heptane	9.49	8.70	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.35	12.83	1.508	ok	1.508	1.448-1.568
Hexachloroethane	17.50	12.83	1.364	ok	1.364	1.304-1.424
Hexane	7.07	7.13	0.992	ok	0.991	0.931-1.051
2-Hexanone	11.31	12.83	0.882	ok	0.883	0.823-0.943
Iodomethane	5.56	7.13	0.780	ok	0.780	0.720-0.840
Isopropylbenzene	14.59	12.83	1.137	ok	1.137	1.077-1.197
Isopropyl Alcohol	5.31	7.13	0.745	ok	0.747	0.687-0.807
p-Isopropyltoluene	16.49	12.83	1.285	ok	1.286	1.226-1.346
Methylene chloride	5.68	7.13	0.797	ok	0.796	0.736-0.856
Methyl ethyl ketone	6.68	7.13	0.937	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	10.13	8.70	1.164	ok	1.167	1.107-1.227
Methyl Tert Butyl Ether	6.42	7.13	0.900	ok	0.901	0.841-0.961
Methylmethacrylate	9.52	8.70	1.094	ok	1.095	1.035-1.155
Naphthalene	18.92	12.83	1.475	ok	1.474	1.414-1.534
Nonane	14.15	12.83	1.103	ok	1.103	1.043-1.163
Octane	11.96	12.83	0.932	ok	0.932	0.872-0.992
Pentane	5.40	7.13	0.757	ok	0.756	0.696-0.816
n-Propylbenzene	15.18	12.83	1.183	ok	1.183	1.123-1.243
Propylene	4.29	7.13	0.602	ok	0.601	0.541-0.661
Styrene	13.85	12.83	1.080	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	7.99	7.13	1.121	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	12.85	12.83	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	13.96	12.83	1.088	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.77	8.70	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.83	1.464	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.09	12.83	1.098	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.95	12.83	1.243	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.46	12.83	1.205	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.23	8.70	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.65	7.13	0.792	ok	0.797	0.737-0.857
Tetrachloroethylene	12.15	12.83	0.947	ok	0.947	0.887-1.007
Tetrahydrofuran	7.55	7.13	1.059	ok	1.062	1.002-1.122
Toluene	11.03	8.70	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.30	8.70	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.23	7.13	0.734	ok	0.734	0.674-0.794
Vinyl chloride	4.53	7.13	0.635	ok	0.635	0.575-0.695
Vinyl Acetate	6.49	7.13	0.910	ok	0.912	0.852-0.972
m,p-Xylene	13.44	12.83	1.048	ok	1.048	0.988-1.108
o-Xylene	13.94	12.83	1.087	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.40	7.13	0.757	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.49	8.70	1.091	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.13	ok	7.14	6.81-7.47	136612	ok	136604	81962-191246
1,4-Difluorobenzene	8.70	ok	8.71	8.38-9.04	656877	ok	663311	397987-928635
Chlorobenzene-D5	12.83	ok	12.83	12.50-13.16	308381	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.20	7.13	0.729	ok	0.725	0.665-0.785
Acrylonitrile	5.46	7.13	0.766	ok	0.764	0.704-0.824
Acetonitrile	5.07	7.13	0.711	ok	0.709	0.649-0.769
1,3-Butadiene	4.60	7.13	0.645	ok	0.645	0.585-0.705
Benzene	8.39	8.70	0.964	ok	0.964	0.904-1.024
Bromobenzene	14.69	12.83	1.145	ok	1.145	1.085-1.205
Bromodichloromethane	9.27	8.70	1.066	ok	1.066	1.006-1.126
Bromoform	13.53	12.83	1.055	ok	1.055	0.995-1.115
Bromomethane	4.75	7.13	0.666	ok	0.665	0.605-0.725
Bromoethene	5.02	7.13	0.704	ok	0.704	0.644-0.764
n-Butane	4.61	7.13	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	16.15	12.83	1.259	ok	1.259	1.199-1.319
n-Butylbenzene	17.02	12.83	1.327	ok	1.326	1.266-1.386
sec-Butylbenzene	16.29	12.83	1.270	ok	1.269	1.209-1.329
tert-Butylbenzene	15.95	12.83	1.243	ok	1.243	1.183-1.303
Carbon disulfide	5.86	7.13	0.822	ok	0.822	0.762-0.882
Chlorobenzene	12.87	12.83	1.003	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.27	7.13	0.599	ok	0.598	0.538-0.658
Chloroethane	4.83	7.13	0.677	ok	0.677	0.617-0.737
Chloroform	7.21	7.13	1.011	ok	1.012	0.952-1.072
Chloromethane	4.42	7.13	0.620	ok	0.620	0.560-0.680
3-Chloropropene	5.73	7.13	0.804	ok	0.804	0.744-0.864
2-Chlorotoluene	15.14	12.83	1.180	ok	1.180	1.120-1.240
Carbon tetrachloride	8.51	7.13	1.194	ok	1.193	1.133-1.253
Cyclohexane	8.55	8.70	0.983	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.39	7.13	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	5.61	7.13	0.787	ok	0.785	0.725-0.845
1,2-Dibromoethane	11.66	12.83	0.909	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.79	7.13	1.093	ok	1.092	1.032-1.152
1,2-Dichloropropane	9.06	8.70	1.041	ok	1.042	0.982-1.102
1,4-Dioxane	9.46	8.70	1.087	ok	1.083	1.023-1.143
Dichlorodifluoromethane	4.33	7.13	0.607	ok	0.607	0.547-0.667
Dichlorofluoromethane	4.87	7.13	0.683	ok	0.684	0.624-0.744
Dibromochloromethane	11.46	12.83	0.893	ok	0.894	0.834-0.954
Dibromomethane	9.09	8.70	1.045	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.25	7.13	0.877	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.02	7.13	0.985	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.12	8.70	1.163	ok	1.163	1.103-1.223

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
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V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.14	12.83	1.258	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.67	12.83	1.299	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.23	12.83	1.265	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.62	8.70	1.221	ok	1.221	1.161-1.281
Di-Isopropyl ether	7.11	7.13	0.997	ok	0.996	0.936-1.056
2,3-Dimethylpentane	8.73	8.70	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	7.75	7.13	1.087	ok	1.086	1.026-1.146
Ethanol	4.97	7.13	0.697	ok	0.692	0.632-0.752
Ethylbenzene	13.25	12.83	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.19	7.13	1.008	ok	1.005	0.945-1.065
4-Ethyltoluene	15.36	12.83	1.197	ok	1.197	1.137-1.257
Freon 113	5.81	7.13	0.815	ok	0.815	0.755-0.875
Freon 114	4.46	7.13	0.626	ok	0.625	0.565-0.685
Freon 123	5.08	7.13	0.712	ok	0.712	0.652-0.772
Freon 123A	5.11	7.13	0.717	ok	0.716	0.656-0.776
Freon 152A	4.24	7.13	0.595	ok	0.595	0.535-0.655
Heptane	9.49	8.70	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.35	12.83	1.508	ok	1.508	1.448-1.568
Hexachloroethane	17.50	12.83	1.364	ok	1.364	1.304-1.424
Hexane	7.07	7.13	0.992	ok	0.991	0.931-1.051
2-Hexanone	11.36	12.83	0.885	ok	0.883	0.823-0.943
Iodomethane	5.56	7.13	0.780	ok	0.780	0.720-0.840
Isopropylbenzene	14.59	12.83	1.137	ok	1.137	1.077-1.197
Isopropyl Alcohol	5.36	7.13	0.752	ok	0.747	0.687-0.807
p-Isopropyltoluene	16.50	12.83	1.286	ok	1.286	1.226-1.346
Methylene chloride	5.68	7.13	0.797	ok	0.796	0.736-0.856
Methyl ethyl ketone	6.72	7.13	0.942	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	10.17	8.70	1.169	ok	1.167	1.107-1.227
Methyl Tert Butyl Ether	6.45	7.13	0.905	ok	0.901	0.841-0.961
Methylmethacrylate	9.54	8.70	1.097	ok	1.095	1.035-1.155
Naphthalene	18.92	12.83	1.475	ok	1.474	1.414-1.534
Nonane	14.15	12.83	1.103	ok	1.103	1.043-1.163
Octane	11.96	12.83	0.932	ok	0.932	0.872-0.992
Pentane	5.40	7.13	0.757	ok	0.756	0.696-0.816
n-Propylbenzene	15.18	12.83	1.183	ok	1.183	1.123-1.243
Propylene	4.28	7.13	0.600	ok	0.601	0.541-0.661
Styrene	13.84	12.83	1.079	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	7.99	7.13	1.121	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	12.85	12.83	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	13.96	12.83	1.088	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.77	8.70	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.83	1.464	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.10	12.83	1.099	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.95	12.83	1.243	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.45	12.83	1.204	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.23	8.70	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.71	7.13	0.801	ok	0.797	0.737-0.857
Tetrachloroethylene	12.15	12.83	0.947	ok	0.947	0.887-1.007
Tetrahydrofuran	7.61	7.13	1.067	ok	1.062	1.002-1.122
Toluene	11.03	8.70	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.29	8.70	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.23	7.13	0.734	ok	0.734	0.674-0.794
Vinyl chloride	4.53	7.13	0.635	ok	0.635	0.575-0.695
Vinyl Acetate	6.51	7.13	0.913	ok	0.912	0.852-0.972
m,p-Xylene	13.43	12.83	1.047	ok	1.048	0.988-1.108
o-Xylene	13.94	12.83	1.087	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.40	7.13	0.757	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.49	8.70	1.091	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.13	ok	7.14	6.81-7.47	129850	ok	136604	81962-191246
1,4-Difluorobenzene	8.70	ok	8.71	8.38-9.04	618805	ok	663311	397987-928635
Chlorobenzene-D5	12.83	ok	12.83	12.50-13.16	256141	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.22	7.13	0.732	ok	0.725	0.665-0.785
Acrylonitrile	5.47	7.13	0.767	ok	0.764	0.704-0.824
Acetonitrile	5.09	7.13	0.714	ok	0.709	0.649-0.769
1,3-Butadiene	4.60	7.13	0.645	ok	0.645	0.585-0.705
Benzene	8.39	8.70	0.964	ok	0.964	0.904-1.024
Bromobenzene	14.69	12.83	1.145	ok	1.145	1.085-1.205
Bromodichloromethane	9.27	8.70	1.066	ok	1.066	1.006-1.126
Bromoform	13.53	12.83	1.055	ok	1.055	0.995-1.115
Bromomethane	4.74	7.13	0.665	ok	0.665	0.605-0.725
Bromoethene	5.03	7.13	0.705	ok	0.704	0.644-0.764
n-Butane	4.61	7.13	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	16.15	12.83	1.259	ok	1.259	1.199-1.319
n-Butylbenzene	17.02	12.83	1.327	ok	1.326	1.266-1.386
sec-Butylbenzene	16.29	12.83	1.270	ok	1.269	1.209-1.329
tert-Butylbenzene	15.95	12.83	1.243	ok	1.243	1.183-1.303
Carbon disulfide	5.86	7.13	0.822	ok	0.822	0.762-0.882
Chlorobenzene	12.88	12.83	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.27	7.13	0.599	ok	0.598	0.538-0.658
Chloroethane	4.82	7.13	0.676	ok	0.677	0.617-0.737
Chloroform	7.21	7.13	1.011	ok	1.012	0.952-1.072
Chloromethane	4.42	7.13	0.620	ok	0.620	0.560-0.680
3-Chloropropene	5.73	7.13	0.804	ok	0.804	0.744-0.864
2-Chlorotoluene	15.14	12.83	1.180	ok	1.180	1.120-1.240
Carbon tetrachloride	8.50	7.13	1.192	ok	1.193	1.133-1.253
Cyclohexane	8.54	8.70	0.982	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.39	7.13	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	5.59	7.13	0.784	ok	0.785	0.725-0.845
1,2-Dibromoethane	11.67	12.83	0.910	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.79	7.13	1.093	ok	1.092	1.032-1.152
1,2-Dichloropropane	9.06	8.70	1.041	ok	1.042	0.982-1.102
1,4-Dioxane	9.52	8.70	1.094	ok	1.083	1.023-1.143
Dichlorodifluoromethane	4.32	7.13	0.606	ok	0.607	0.547-0.667
Dichlorofluoromethane	4.88	7.13	0.684	ok	0.684	0.624-0.744
Dibromochloromethane	11.46	12.83	0.893	ok	0.894	0.834-0.954
Dibromomethane	9.09	8.70	1.045	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.24	7.13	0.875	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.02	7.13	0.985	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.12	8.70	1.163	ok	1.163	1.103-1.223

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.15	12.83	1.259	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.67	12.83	1.299	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.24	12.83	1.266	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.62	8.70	1.221	ok	1.221	1.161-1.281
Di-Isopropyl ether	7.11	7.13	0.997	ok	0.996	0.936-1.056
2,3-Dimethylpentane	8.73	8.70	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	7.75	7.13	1.087	ok	1.086	1.026-1.146
Ethanol	4.97	7.13	0.697	ok	0.692	0.632-0.752
Ethylbenzene	13.25	12.83	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.22	7.13	1.013	ok	1.005	0.945-1.065
4-Ethyltoluene	15.35	12.83	1.196	ok	1.197	1.137-1.257
Freon 113	5.81	7.13	0.815	ok	0.815	0.755-0.875
Freon 114	4.46	7.13	0.626	ok	0.625	0.565-0.685
Freon 123	5.08	7.13	0.712	ok	0.712	0.652-0.772
Freon 123A	5.11	7.13	0.717	ok	0.716	0.656-0.776
Freon 152A	4.24	7.13	0.595	ok	0.595	0.535-0.655
Heptane	9.48	8.70	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.36	12.83	1.509	ok	1.508	1.448-1.568
Hexachloroethane	17.50	12.83	1.364	ok	1.364	1.304-1.424
Hexane	7.06	7.13	0.990	ok	0.991	0.931-1.051
2-Hexanone	11.37	12.83	0.886	ok	0.883	0.823-0.943
Iodomethane	5.56	7.13	0.780	ok	0.780	0.720-0.840
Isopropylbenzene	14.60	12.83	1.138	ok	1.137	1.077-1.197
Isopropyl Alcohol	5.37	7.13	0.753	ok	0.747	0.687-0.807
p-Isopropyltoluene	16.50	12.83	1.286	ok	1.286	1.226-1.346
Methylene chloride	5.68	7.13	0.797	ok	0.796	0.736-0.856
Methyl ethyl ketone	6.73	7.13	0.944	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	10.20	8.70	1.172	ok	1.167	1.107-1.227
Methyl Tert Butyl Ether	6.46	7.13	0.906	ok	0.901	0.841-0.961
Methylmethacrylate	9.54	8.70	1.097	ok	1.095	1.035-1.155
Naphthalene	18.92	12.83	1.475	ok	1.474	1.414-1.534
Nonane	14.15	12.83	1.103	ok	1.103	1.043-1.163
Octane	11.96	12.83	0.932	ok	0.932	0.872-0.992
Pentane	5.39	7.13	0.756	ok	0.756	0.696-0.816
n-Propylbenzene	15.19	12.83	1.184	ok	1.183	1.123-1.243
Propylene	4.29	7.13	0.602	ok	0.601	0.541-0.661
Styrene	13.84	12.83	1.079	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	7.98	7.13	1.119	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

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Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

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V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	12.85	12.83	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	13.96	12.83	1.088	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.77	8.70	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.83	1.464	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.10	12.83	1.099	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.95	12.83	1.243	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.46	12.83	1.205	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.23	8.70	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.73	7.13	0.804	ok	0.797	0.737-0.857
Tetrachloroethylene	12.15	12.83	0.947	ok	0.947	0.887-1.007
Tetrahydrofuran	7.61	7.13	1.067	ok	1.062	1.002-1.122
Toluene	11.03	8.70	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.29	8.70	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.24	7.13	0.735	ok	0.734	0.674-0.794
Vinyl chloride	4.54	7.13	0.637	ok	0.635	0.575-0.695
Vinyl Acetate	6.52	7.13	0.914	ok	0.912	0.852-0.972
m,p-Xylene	13.44	12.83	1.048	ok	1.048	0.988-1.108
o-Xylene	13.94	12.83	1.087	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.40	7.13	0.757	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.49	8.70	1.091	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.13	ok	7.14	6.81-7.47	124446	ok	136604	81962-191246
1,4-Difluorobenzene	8.70	ok	8.71	8.38-9.04	586669	ok	663311	397987-928635
Chlorobenzene-D5	12.83	ok	12.83	12.50-13.16	240775	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

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V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.17	7.14	0.724	ok	0.725	0.665-0.785
Acrylonitrile	5.44	7.14	0.762	ok	0.764	0.704-0.824
Acetonitrile	5.05	7.14	0.707	ok	0.709	0.649-0.769
1,3-Butadiene	4.60	7.14	0.644	ok	0.645	0.585-0.705
Benzene	8.39	8.71	0.963	ok	0.964	0.904-1.024
Bromobenzene	14.71	12.84	1.146	ok	1.145	1.085-1.205
Bromodichloromethane	9.29	8.71	1.067	ok	1.066	1.006-1.126
Bromoform	13.54	12.84	1.055	ok	1.055	0.995-1.115
Bromomethane	4.75	7.14	0.665	ok	0.665	0.605-0.725
Bromoethene	5.02	7.14	0.703	ok	0.704	0.644-0.764
n-Butane	4.62	7.14	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	16.16	12.84	1.259	ok	1.259	1.199-1.319
n-Butylbenzene	17.02	12.84	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	16.29	12.84	1.269	ok	1.269	1.209-1.329
tert-Butylbenzene	15.95	12.84	1.242	ok	1.243	1.183-1.303
Carbon disulfide	5.87	7.14	0.822	ok	0.822	0.762-0.882
Chlorobenzene	12.88	12.84	1.003	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.28	7.14	0.599	ok	0.598	0.538-0.658
Chloroethane	4.83	7.14	0.676	ok	0.677	0.617-0.737
Chloroform	7.23	7.14	1.013	ok	1.012	0.952-1.072
Chloromethane	4.43	7.14	0.620	ok	0.620	0.560-0.680
3-Chloropropene	5.75	7.14	0.805	ok	0.804	0.744-0.864
2-Chlorotoluene	15.15	12.84	1.180	ok	1.180	1.120-1.240
Carbon tetrachloride	8.52	7.14	1.193	ok	1.193	1.133-1.253
Cyclohexane	8.56	8.71	0.983	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.40	7.14	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	5.61	7.14	0.786	ok	0.785	0.725-0.845
1,2-Dibromoethane	11.67	12.84	0.909	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.80	7.14	1.092	ok	1.092	1.032-1.152
1,2-Dichloropropane	9.07	8.71	1.041	ok	1.042	0.982-1.102
1,4-Dioxane	9.37	8.71	1.076	ok	1.083	1.023-1.143
Dichlorodifluoromethane	4.33	7.14	0.606	ok	0.607	0.547-0.667
Dichlorofluoromethane	4.88	7.14	0.683	ok	0.684	0.624-0.744
Dibromochloromethane	11.47	12.84	0.893	ok	0.894	0.834-0.954
Dibromomethane	9.10	8.71	1.045	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.25	7.14	0.875	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.04	7.14	0.986	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.13	8.71	1.163	ok	1.163	1.103-1.223

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.15	12.84	1.258	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.68	12.84	1.299	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.24	12.84	1.265	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.63	8.71	1.220	ok	1.221	1.161-1.281
Di-Isopropyl ether	7.10	7.14	0.994	ok	0.996	0.936-1.056
2,3-Dimethylpentane	8.74	8.71	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	7.75	7.14	1.085	ok	1.086	1.026-1.146
Ethanol	4.93	7.14	0.690	ok	0.692	0.632-0.752
Ethylbenzene	13.25	12.84	1.032	ok	1.033	0.973-1.093
Ethyl Acetate	7.16	7.14	1.003	ok	1.005	0.945-1.065
4-Ethyltoluene	15.36	12.84	1.196	ok	1.197	1.137-1.257
Freon 113	5.82	7.14	0.815	ok	0.815	0.755-0.875
Freon 114	4.46	7.14	0.625	ok	0.625	0.565-0.685
Freon 123	5.08	7.14	0.711	ok	0.712	0.652-0.772
Freon 123A	5.11	7.14	0.716	ok	0.716	0.656-0.776
Freon 152A	4.26	7.14	0.597	ok	0.595	0.535-0.655
Heptane	9.49	8.71	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.36	12.84	1.508	ok	1.508	1.448-1.568
Hexachloroethane	17.50	12.84	1.363	ok	1.364	1.304-1.424
Hexane	7.07	7.14	0.990	ok	0.991	0.931-1.051
2-Hexanone	11.31	12.84	0.881	ok	0.883	0.823-0.943
Iodomethane	5.57	7.14	0.780	ok	0.780	0.720-0.840
Isopropylbenzene	14.60	12.84	1.137	ok	1.137	1.077-1.197
Isopropyl Alcohol	5.31	7.14	0.744	ok	0.747	0.687-0.807
p-Isopropyltoluene	16.50	12.84	1.285	ok	1.286	1.226-1.346
Methylene chloride	5.69	7.14	0.797	ok	0.796	0.736-0.856
Methyl ethyl ketone	6.68	7.14	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	10.13	8.71	1.163	ok	1.167	1.107-1.227
Methyl Tert Butyl Ether	6.41	7.14	0.898	ok	0.901	0.841-0.961
Methylmethacrylate	9.52	8.71	1.093	ok	1.095	1.035-1.155
Naphthalene	18.92	12.84	1.474	ok	1.474	1.414-1.534
Nonane	14.16	12.84	1.103	ok	1.103	1.043-1.163
Octane	11.97	12.84	0.932	ok	0.932	0.872-0.992
Pentane	5.40	7.14	0.756	ok	0.756	0.696-0.816
n-Propylbenzene	15.19	12.84	1.183	ok	1.183	1.123-1.243
Propylene	4.29	7.14	0.601	ok	0.601	0.541-0.661
Styrene	13.85	12.84	1.079	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	8.00	7.14	1.120	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

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Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	12.86	12.84	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	13.97	12.84	1.088	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.78	8.71	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.84	1.463	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.10	12.84	1.098	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.96	12.84	1.243	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.46	12.84	1.204	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.24	8.71	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.65	7.14	0.791	ok	0.797	0.737-0.857
Tetrachloroethylene	12.16	12.84	0.947	ok	0.947	0.887-1.007
Tetrahydrofuran	7.54	7.14	1.056	ok	1.062	1.002-1.122
Toluene	11.04	8.71	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.30	8.71	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.24	7.14	0.734	ok	0.734	0.674-0.794
Vinyl chloride	4.53	7.14	0.634	ok	0.635	0.575-0.695
Vinyl Acetate	6.51	7.14	0.912	ok	0.912	0.852-0.972
m,p-Xylene	13.45	12.84	1.048	ok	1.048	0.988-1.108
o-Xylene	13.95	12.84	1.086	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.40	7.14	0.756	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.50	8.71	1.091	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.14	ok	7.14	6.81-7.47	132623	ok	136604	81962-191246
1,4-Difluorobenzene	8.71	ok	8.71	8.38-9.04	670837	ok	663311	397987-928635
Chlorobenzene-D5	12.84	ok	12.83	12.50-13.16	347894	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.16	7.14	0.723	ok	0.725	0.665-0.785
Acrylonitrile	5.44	7.14	0.762	ok	0.764	0.704-0.824
Acetonitrile	5.05	7.14	0.707	ok	0.709	0.649-0.769
1,3-Butadiene	4.60	7.14	0.644	ok	0.645	0.585-0.705
Benzene	8.39	8.71	0.963	ok	0.964	0.904-1.024
Bromobenzene	14.70	12.83	1.146	ok	1.145	1.085-1.205
Bromodichloromethane	9.29	8.71	1.067	ok	1.066	1.006-1.126
Bromoform	13.54	12.83	1.055	ok	1.055	0.995-1.115
Bromomethane	4.75	7.14	0.665	ok	0.665	0.605-0.725
Bromoethene	5.02	7.14	0.703	ok	0.704	0.644-0.764
n-Butane	4.61	7.14	0.646	ok	0.647	0.587-0.707
Benzyl Chloride	16.15	12.83	1.259	ok	1.259	1.199-1.319
n-Butylbenzene	17.02	12.83	1.327	ok	1.326	1.266-1.386
sec-Butylbenzene	16.29	12.83	1.270	ok	1.269	1.209-1.329
tert-Butylbenzene	15.95	12.83	1.243	ok	1.243	1.183-1.303
Carbon disulfide	5.86	7.14	0.821	ok	0.822	0.762-0.882
Chlorobenzene	12.88	12.83	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.27	7.14	0.598	ok	0.598	0.538-0.658
Chloroethane	4.83	7.14	0.676	ok	0.677	0.617-0.737
Chloroform	7.22	7.14	1.011	ok	1.012	0.952-1.072
Chloromethane	4.42	7.14	0.619	ok	0.620	0.560-0.680
3-Chloropropene	5.74	7.14	0.804	ok	0.804	0.744-0.864
2-Chlorotoluene	15.15	12.83	1.181	ok	1.180	1.120-1.240
Carbon tetrachloride	8.51	7.14	1.192	ok	1.193	1.133-1.253
Cyclohexane	8.55	8.71	0.982	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.40	7.14	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	5.60	7.14	0.784	ok	0.785	0.725-0.845
1,2-Dibromoethane	11.67	12.83	0.910	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.80	7.14	1.092	ok	1.092	1.032-1.152
1,2-Dichloropropane	9.07	8.71	1.041	ok	1.042	0.982-1.102
1,4-Dioxane	9.37	8.71	1.076	ok	1.083	1.023-1.143
Dichlorodifluoromethane	4.33	7.14	0.606	ok	0.607	0.547-0.667
Dichlorofluoromethane	4.88	7.14	0.683	ok	0.684	0.624-0.744
Dibromochloromethane	11.47	12.83	0.894	ok	0.894	0.834-0.954
Dibromomethane	9.10	8.71	1.045	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.24	7.14	0.874	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.03	7.14	0.985	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.12	8.71	1.162	ok	1.163	1.103-1.223

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.15	12.83	1.259	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.67	12.83	1.299	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.24	12.83	1.266	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.62	8.71	1.219	ok	1.221	1.161-1.281
Di-Isopropyl ether	7.09	7.14	0.993	ok	0.996	0.936-1.056
2,3-Dimethylpentane	8.74	8.71	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	7.75	7.14	1.085	ok	1.086	1.026-1.146
Ethanol	4.92	7.14	0.689	ok	0.692	0.632-0.752
Ethylbenzene	13.25	12.83	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.16	7.14	1.003	ok	1.005	0.945-1.065
4-Ethyltoluene	15.36	12.83	1.197	ok	1.197	1.137-1.257
Freon 113	5.81	7.14	0.814	ok	0.815	0.755-0.875
Freon 114	4.46	7.14	0.625	ok	0.625	0.565-0.685
Freon 123	5.08	7.14	0.711	ok	0.712	0.652-0.772
Freon 123A	5.11	7.14	0.716	ok	0.716	0.656-0.776
Freon 152A	4.25	7.14	0.595	ok	0.595	0.535-0.655
Heptane	9.49	8.71	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.35	12.83	1.508	ok	1.508	1.448-1.568
Hexachloroethane	17.50	12.83	1.364	ok	1.364	1.304-1.424
Hexane	7.07	7.14	0.990	ok	0.991	0.931-1.051
2-Hexanone	11.31	12.83	0.882	ok	0.883	0.823-0.943
Iodomethane	5.56	7.14	0.779	ok	0.780	0.720-0.840
Isopropylbenzene	14.60	12.83	1.138	ok	1.137	1.077-1.197
Isopropyl Alcohol	5.31	7.14	0.744	ok	0.747	0.687-0.807
p-Isopropyltoluene	16.50	12.83	1.286	ok	1.286	1.226-1.346
Methylene chloride	5.68	7.14	0.796	ok	0.796	0.736-0.856
Methyl ethyl ketone	6.67	7.14	0.934	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	10.13	8.71	1.163	ok	1.167	1.107-1.227
Methyl Tert Butyl Ether	6.41	7.14	0.898	ok	0.901	0.841-0.961
Methylmethacrylate	9.52	8.71	1.093	ok	1.095	1.035-1.155
Naphthalene	18.92	12.83	1.475	ok	1.474	1.414-1.534
Nonane	14.16	12.83	1.104	ok	1.103	1.043-1.163
Octane	11.96	12.83	0.932	ok	0.932	0.872-0.992
Pentane	5.40	7.14	0.756	ok	0.756	0.696-0.816
n-Propylbenzene	15.19	12.83	1.184	ok	1.183	1.123-1.243
Propylene	4.29	7.14	0.601	ok	0.601	0.541-0.661
Styrene	13.85	12.83	1.080	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	7.99	7.14	1.119	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	12.86	12.83	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	13.97	12.83	1.089	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.78	8.71	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.83	1.464	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.09	12.83	1.098	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.96	12.83	1.244	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.46	12.83	1.205	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.24	8.71	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.65	7.14	0.791	ok	0.797	0.737-0.857
Tetrachloroethylene	12.16	12.83	0.948	ok	0.947	0.887-1.007
Tetrahydrofuran	7.54	7.14	1.056	ok	1.062	1.002-1.122
Toluene	11.03	8.71	1.266	ok	1.268	1.208-1.328
Trichloroethylene	9.30	8.71	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.23	7.14	0.732	ok	0.734	0.674-0.794
Vinyl chloride	4.53	7.14	0.634	ok	0.635	0.575-0.695
Vinyl Acetate	6.50	7.14	0.910	ok	0.912	0.852-0.972
m,p-Xylene	13.44	12.83	1.048	ok	1.048	0.988-1.108
o-Xylene	13.95	12.83	1.087	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.40	7.14	0.756	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.49	8.71	1.090	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.14	ok	7.14	6.81-7.47	146374	ok	136604	81962-191246
1,4-Difluorobenzene	8.71	ok	8.71	8.38-9.04	720381	ok	663311	397987-928635
Chlorobenzene-D5	12.83	ok	12.83	12.50-13.16	363860	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.47	7.13	0.767	ok	0.764	0.704-0.824
Acetonitrile	5.09	7.13	0.714	ok	0.709	0.649-0.769
1,3-Butadiene	4.60	7.13	0.645	ok	0.645	0.585-0.705
Benzene	8.38	8.70	0.963	ok	0.964	0.904-1.024
Bromobenzene	14.70	12.83	1.146	ok	1.145	1.085-1.205
Bromodichloromethane	9.27	8.70	1.066	ok	1.066	1.006-1.126
Bromoform	13.53	12.83	1.055	ok	1.055	0.995-1.115
Bromomethane	4.75	7.13	0.666	ok	0.665	0.605-0.725
Bromoethene	5.03	7.13	0.705	ok	0.704	0.644-0.764
n-Butane	4.62	7.13	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	16.16	12.83	1.260	ok	1.259	1.199-1.319
Carbon disulfide	5.87	7.13	0.823	ok	0.822	0.762-0.882
Chlorobenzene	12.87	12.83	1.003	ok	1.004	0.944-1.064
Chloroethane	4.84	7.13	0.679	ok	0.677	0.617-0.737
Chloroform	7.21	7.13	1.011	ok	1.012	0.952-1.072
Chloromethane	4.43	7.13	0.621	ok	0.620	0.560-0.680
3-Chloropropene	5.73	7.13	0.804	ok	0.804	0.744-0.864
2-Chlorotoluene	15.15	12.83	1.181	ok	1.180	1.120-1.240
Carbon tetrachloride	8.51	7.13	1.194	ok	1.193	1.133-1.253
Cyclohexane	8.55	8.70	0.983	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.40	7.13	0.898	ok	0.896	0.836-0.956
1,1-Dichloroethylene	5.61	7.13	0.787	ok	0.785	0.725-0.845
1,2-Dibromoethane	11.67	12.83	0.910	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.80	7.13	1.094	ok	1.092	1.032-1.152
1,2-Dichloropropane	9.07	8.70	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	9.54	8.70	1.097	ok	1.083	1.023-1.143
Dichlorodifluoromethane	4.33	7.13	0.607	ok	0.607	0.547-0.667
Dichlorofluoromethane	4.88	7.13	0.684	ok	0.684	0.624-0.744
Dibromochloromethane	11.46	12.83	0.893	ok	0.894	0.834-0.954
Dibromomethane	9.09	8.70	1.045	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.25	7.13	0.877	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.02	7.13	0.985	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.12	8.70	1.163	ok	1.163	1.103-1.223
m-Dichlorobenzene	16.15	12.83	1.259	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.67	12.83	1.299	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.23	12.83	1.265	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.62	8.70	1.221	ok	1.221	1.161-1.281
Di-Isopropyl ether	7.16	7.13	1.004	ok	0.996	0.936-1.056

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2,4-Dimethylpentane	7.75	7.13	1.087	ok	1.086	1.026-1.146
Ethylbenzene	13.25	12.83	1.033	ok	1.033	0.973-1.093
Freon 113	5.82	7.13	0.816	ok	0.815	0.755-0.875
Freon 114	4.46	7.13	0.626	ok	0.625	0.565-0.685
Freon 123	5.08	7.13	0.712	ok	0.712	0.652-0.772
Freon 123A	5.11	7.13	0.717	ok	0.716	0.656-0.776
Freon 152A	4.24	7.13	0.595	ok	0.595	0.535-0.655
Heptane	9.48	8.70	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.35	12.83	1.508	ok	1.508	1.448-1.568
Hexachloroethane	17.50	12.83	1.364	ok	1.364	1.304-1.424
Hexane	7.07	7.13	0.992	ok	0.991	0.931-1.051
Iodomethane	5.58	7.13	0.783	ok	0.780	0.720-0.840
Isopropylbenzene	14.59	12.83	1.137	ok	1.137	1.077-1.197
Isopropyl Alcohol	5.40	7.13	0.757	ok	0.747	0.687-0.807
Methyl Isobutyl Ketone	10.21	8.70	1.174	ok	1.167	1.107-1.227
Methyl Tert Butyl Ether	6.48	7.13	0.909	ok	0.901	0.841-0.961
Methylmethacrylate	9.55	8.70	1.098	ok	1.095	1.035-1.155
Naphthalene	18.92	12.83	1.475	ok	1.474	1.414-1.534
Nonane	14.15	12.83	1.103	ok	1.103	1.043-1.163
Octane	11.96	12.83	0.932	ok	0.932	0.872-0.992
Styrene	13.85	12.83	1.080	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	7.99	7.13	1.121	ok	1.120	1.060-1.180
1,1,1,2-Tetrachloroethane	12.85	12.83	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	13.96	12.83	1.088	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.78	8.70	1.239	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.83	1.464	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.09	12.83	1.098	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.96	12.83	1.244	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.46	12.83	1.205	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.23	8.70	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.75	7.13	0.806	ok	0.797	0.737-0.857
Tetrachloroethylene	12.15	12.83	0.947	ok	0.947	0.887-1.007
Tetrahydrofuran	7.63	7.13	1.070	ok	1.062	1.002-1.122
Toluene	11.03	8.70	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.30	8.70	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.25	7.13	0.736	ok	0.734	0.674-0.794
Vinyl chloride	4.54	7.13	0.637	ok	0.635	0.575-0.695
m,p-Xylene	13.44	12.83	1.048	ok	1.048	0.988-1.108

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Xylene	13.94	12.83	1.087	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.39	7.13	0.756	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.49	8.70	1.091	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.13	ok	7.14	6.81-7.47	136901	ok	136604	81962-191246
1,4-Difluorobenzene	8.70	ok	8.71	8.38-9.04	638307	ok	663311	397987-928635
Chlorobenzene-D5	12.83	ok	12.83	12.50-13.16	259995	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.47	7.13	0.767	ok	0.764	0.704-0.824
Benzene	8.38	8.70	0.963	ok	0.964	0.904-1.024
Bromobenzene	14.69	12.83	1.145	ok	1.145	1.085-1.205
Bromodichloromethane	9.27	8.70	1.066	ok	1.066	1.006-1.126
Bromoform	13.52	12.83	1.054	ok	1.055	0.995-1.115
Bromomethane	4.75	7.13	0.666	ok	0.665	0.605-0.725
Bromoethene	5.01	7.13	0.703	ok	0.704	0.644-0.764
Benzyl Chloride	16.15	12.83	1.259	ok	1.259	1.199-1.319
Carbon disulfide	5.86	7.13	0.822	ok	0.822	0.762-0.882
Chlorobenzene	12.88	12.83	1.004	ok	1.004	0.944-1.064
Chloroethane	4.85	7.13	0.680	ok	0.677	0.617-0.737
Chloroform	7.21	7.13	1.011	ok	1.012	0.952-1.072
3-Chloropropene	5.73	7.13	0.804	ok	0.804	0.744-0.864
2-Chlorotoluene	15.16	12.83	1.182	ok	1.180	1.120-1.240
Carbon tetrachloride	8.50	7.13	1.192	ok	1.193	1.133-1.253
Cyclohexane	8.56	8.70	0.984	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.39	7.13	0.896	ok	0.896	0.836-0.956
1,2-Dibromoethane	11.66	12.83	0.909	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.79	7.13	1.093	ok	1.092	1.032-1.152
1,4-Dioxane	9.56	8.70	1.099	ok	1.083	1.023-1.143
Dibromochloromethane	11.47	12.83	0.894	ok	0.894	0.834-0.954
Dibromomethane	9.09	8.70	1.045	ok	1.045	0.985-1.105
cis-1,2-Dichloroethylene	7.03	7.13	0.986	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.12	8.70	1.163	ok	1.163	1.103-1.223
m-Dichlorobenzene	16.14	12.83	1.258	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.68	12.83	1.300	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.24	12.83	1.266	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.63	8.70	1.222	ok	1.221	1.161-1.281
Ethylbenzene	13.25	12.83	1.033	ok	1.033	0.973-1.093
Freon 113	5.81	7.13	0.815	ok	0.815	0.755-0.875
Freon 114	4.47	7.13	0.627	ok	0.625	0.565-0.685
Freon 123	5.09	7.13	0.714	ok	0.712	0.652-0.772
Heptane	9.49	8.70	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.36	12.83	1.509	ok	1.508	1.448-1.568
Iodomethane	5.58	7.13	0.783	ok	0.780	0.720-0.840
Isopropylbenzene	14.59	12.83	1.137	ok	1.137	1.077-1.197
Methyl Isobutyl Ketone	10.22	8.70	1.175	ok	1.167	1.107-1.227
Methylmethacrylate	9.56	8.70	1.099	ok	1.095	1.035-1.155

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	18.91	12.83	1.474	ok	1.474	1.414-1.534
Nonane	14.16	12.83	1.104	ok	1.103	1.043-1.163
Styrene	13.84	12.83	1.079	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	8.00	7.13	1.122	ok	1.120	1.060-1.180
1,1,2,2-Tetrachloroethane	13.98	12.83	1.090	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.77	8.70	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.83	1.464	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.10	12.83	1.099	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.96	12.83	1.244	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.46	12.83	1.205	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.23	8.70	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.76	7.13	0.808	ok	0.797	0.737-0.857
Tetrachloroethylene	12.16	12.83	0.948	ok	0.947	0.887-1.007
Tetrahydrofuran	7.66	7.13	1.074	ok	1.062	1.002-1.122
Toluene	11.04	8.70	1.269	ok	1.268	1.208-1.328
Trichloroethylene	9.30	8.70	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.24	7.13	0.735	ok	0.734	0.674-0.794
Vinyl chloride	4.54	7.13	0.637	ok	0.635	0.575-0.695
m,p-Xylene	13.45	12.83	1.048	ok	1.048	0.988-1.108
o-Xylene	13.94	12.83	1.087	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.41	7.13	0.759	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.49	8.70	1.091	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.13	ok	7.14	6.81-7.47	132409	ok	136604	81962-191246
1,4-Difluorobenzene	8.70	ok	8.71	8.38-9.04	619714	ok	663311	397987-928635
Chlorobenzene-D5	12.83	ok	12.83	12.50-13.16	248290	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.17	7.14	0.724	ok	0.725	0.665-0.785
Acrylonitrile	5.44	7.14	0.762	ok	0.764	0.704-0.824
Acetonitrile	5.05	7.14	0.707	ok	0.709	0.649-0.769
1,3-Butadiene	4.60	7.14	0.644	ok	0.645	0.585-0.705
Benzene	8.40	8.71	0.964	ok	0.964	0.904-1.024
Bromobenzene	14.71	12.84	1.146	ok	1.145	1.085-1.205
Bromodichloromethane	9.29	8.71	1.067	ok	1.066	1.006-1.126
Bromoform	13.54	12.84	1.055	ok	1.055	0.995-1.115
Bromomethane	4.75	7.14	0.665	ok	0.665	0.605-0.725
Bromoethene	5.02	7.14	0.703	ok	0.704	0.644-0.764
n-Butane	4.62	7.14	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	16.16	12.84	1.259	ok	1.259	1.199-1.319
n-Butylbenzene	17.03	12.84	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	16.29	12.84	1.269	ok	1.269	1.209-1.329
tert-Butylbenzene	15.95	12.84	1.242	ok	1.243	1.183-1.303
Carbon disulfide	5.87	7.14	0.822	ok	0.822	0.762-0.882
Chlorobenzene	12.88	12.84	1.003	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.27	7.14	0.598	ok	0.598	0.538-0.658
Chloroethane	4.83	7.14	0.676	ok	0.677	0.617-0.737
Chloroform	7.24	7.14	1.014	ok	1.012	0.952-1.072
Chloromethane	4.42	7.14	0.619	ok	0.620	0.560-0.680
3-Chloropropene	5.75	7.14	0.805	ok	0.804	0.744-0.864
2-Chlorotoluene	15.16	12.84	1.181	ok	1.180	1.120-1.240
Carbon tetrachloride	8.52	7.14	1.193	ok	1.193	1.133-1.253
Cyclohexane	8.56	8.71	0.983	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.40	7.14	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	5.61	7.14	0.786	ok	0.785	0.725-0.845
1,2-Dibromoethane	11.68	12.84	0.910	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.80	7.14	1.092	ok	1.092	1.032-1.152
1,2-Dichloropropane	9.07	8.71	1.041	ok	1.042	0.982-1.102
1,4-Dioxane	9.37	8.71	1.076	ok	1.083	1.023-1.143
Dichlorodifluoromethane	4.33	7.14	0.606	ok	0.607	0.547-0.667
Dichlorofluoromethane	4.88	7.14	0.683	ok	0.684	0.624-0.744
Dibromochloromethane	11.48	12.84	0.894	ok	0.894	0.834-0.954
Dibromomethane	9.10	8.71	1.045	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.25	7.14	0.875	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.04	7.14	0.986	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.13	8.71	1.163	ok	1.163	1.103-1.223

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.15	12.84	1.258	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.68	12.84	1.299	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.25	12.84	1.266	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.63	8.71	1.220	ok	1.221	1.161-1.281
Di-Isopropyl ether	7.10	7.14	0.994	ok	0.996	0.936-1.056
2,3-Dimethylpentane	8.74	8.71	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	7.75	7.14	1.085	ok	1.086	1.026-1.146
Ethanol	4.93	7.14	0.690	ok	0.692	0.632-0.752
Ethylbenzene	13.26	12.84	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.16	7.14	1.003	ok	1.005	0.945-1.065
4-Ethyltoluene	15.36	12.84	1.196	ok	1.197	1.137-1.257
Freon 113	5.82	7.14	0.815	ok	0.815	0.755-0.875
Freon 114	4.46	7.14	0.625	ok	0.625	0.565-0.685
Freon 123	5.08	7.14	0.711	ok	0.712	0.652-0.772
Freon 123A	5.11	7.14	0.716	ok	0.716	0.656-0.776
Freon 152A	4.25	7.14	0.595	ok	0.595	0.535-0.655
Heptane	9.50	8.71	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.36	12.84	1.508	ok	1.508	1.448-1.568
Hexachloroethane	17.51	12.84	1.364	ok	1.364	1.304-1.424
Hexane	7.07	7.14	0.990	ok	0.991	0.931-1.051
2-Hexanone	11.32	12.84	0.882	ok	0.883	0.823-0.943
Iodomethane	5.57	7.14	0.780	ok	0.780	0.720-0.840
Isopropylbenzene	14.60	12.84	1.137	ok	1.137	1.077-1.197
Isopropyl Alcohol	5.32	7.14	0.745	ok	0.747	0.687-0.807
p-Isopropyltoluene	16.50	12.84	1.285	ok	1.286	1.226-1.346
Methylene chloride	5.69	7.14	0.797	ok	0.796	0.736-0.856
Methyl ethyl ketone	6.68	7.14	0.936	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	10.13	8.71	1.163	ok	1.167	1.107-1.227
Methyl Tert Butyl Ether	6.41	7.14	0.898	ok	0.901	0.841-0.961
Methylmethacrylate	9.52	8.71	1.093	ok	1.095	1.035-1.155
Naphthalene	18.92	12.84	1.474	ok	1.474	1.414-1.534
Nonane	14.17	12.84	1.104	ok	1.103	1.043-1.163
Octane	11.97	12.84	0.932	ok	0.932	0.872-0.992
Pentane	5.40	7.14	0.756	ok	0.756	0.696-0.816
n-Propylbenzene	15.19	12.84	1.183	ok	1.183	1.123-1.243
Propylene	4.29	7.14	0.601	ok	0.601	0.541-0.661
Styrene	13.85	12.84	1.079	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	8.00	7.14	1.120	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	Reporting this level
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	12.86	12.84	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	13.98	12.84	1.089	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.78	8.71	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.84	1.463	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.10	12.84	1.098	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.97	12.84	1.244	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.47	12.84	1.205	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.24	8.71	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.65	7.14	0.791	ok	0.797	0.737-0.857
Tetrachloroethylene	12.16	12.84	0.947	ok	0.947	0.887-1.007
Tetrahydrofuran	7.54	7.14	1.056	ok	1.062	1.002-1.122
Toluene	11.04	8.71	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.31	8.71	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.24	7.14	0.734	ok	0.734	0.674-0.794
Vinyl chloride	4.53	7.14	0.634	ok	0.635	0.575-0.695
Vinyl Acetate	6.51	7.14	0.912	ok	0.912	0.852-0.972
m,p-Xylene	13.45	12.84	1.048	ok	1.048	0.988-1.108
o-Xylene	13.95	12.84	1.086	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.40	7.14	0.756	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.50	8.71	1.091	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.14	ok	7.14	6.81-7.47	144746	ok	136604	81962-191246
1,4-Difluorobenzene	8.71	ok	8.71	8.38-9.04	717773	ok	663311	397987-928635
Chlorobenzene-D5	12.84	ok	12.83	12.50-13.16	388006	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.16	7.15	0.722	ok	0.725	0.665-0.785
Acrylonitrile	5.44	7.15	0.761	ok	0.764	0.704-0.824
Acetonitrile	5.05	7.15	0.706	ok	0.709	0.649-0.769
1,3-Butadiene	4.60	7.15	0.643	ok	0.645	0.585-0.705
Benzene	8.40	8.71	0.964	ok	0.964	0.904-1.024
Bromobenzene	14.71	12.84	1.146	ok	1.145	1.085-1.205
Bromodichloromethane	9.29	8.71	1.067	ok	1.066	1.006-1.126
Bromoform	13.55	12.84	1.055	ok	1.055	0.995-1.115
Bromomethane	4.75	7.15	0.664	ok	0.665	0.605-0.725
Bromoethene	5.02	7.15	0.702	ok	0.704	0.644-0.764
n-Butane	4.62	7.15	0.646	ok	0.647	0.587-0.707
Benzyl Chloride	16.17	12.84	1.259	ok	1.259	1.199-1.319
n-Butylbenzene	17.03	12.84	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	16.30	12.84	1.269	ok	1.269	1.209-1.329
tert-Butylbenzene	15.96	12.84	1.243	ok	1.243	1.183-1.303
Carbon disulfide	5.87	7.15	0.821	ok	0.822	0.762-0.882
Chlorobenzene	12.89	12.84	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.27	7.15	0.597	ok	0.598	0.538-0.658
Chloroethane	4.83	7.15	0.676	ok	0.677	0.617-0.737
Chloroform	7.24	7.15	1.013	ok	1.012	0.952-1.072
Chloromethane	4.42	7.15	0.618	ok	0.620	0.560-0.680
3-Chloropropene	5.75	7.15	0.804	ok	0.804	0.744-0.864
2-Chlorotoluene	15.16	12.84	1.181	ok	1.180	1.120-1.240
Carbon tetrachloride	8.52	7.15	1.192	ok	1.193	1.133-1.253
Cyclohexane	8.56	8.71	0.983	ok	0.983	0.923-1.043
1,1-Dichloroethane	6.40	7.15	0.895	ok	0.896	0.836-0.956
1,1-Dichloroethylene	5.61	7.15	0.785	ok	0.785	0.725-0.845
1,2-Dibromoethane	11.68	12.84	0.910	ok	0.909	0.849-0.969
1,2-Dichloroethane	7.80	7.15	1.091	ok	1.092	1.032-1.152
1,2-Dichloropropane	9.08	8.71	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	9.37	8.71	1.076	ok	1.083	1.023-1.143
Dichlorodifluoromethane	4.33	7.15	0.606	ok	0.607	0.547-0.667
Dichlorofluoromethane	4.88	7.15	0.683	ok	0.684	0.624-0.744
Dibromochloromethane	11.48	12.84	0.894	ok	0.894	0.834-0.954
Dibromomethane	9.10	8.71	1.045	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.25	7.15	0.874	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.04	7.15	0.985	ok	0.985	0.925-1.045
cis-1,3-Dichloropropene	10.13	8.71	1.163	ok	1.163	1.103-1.223

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.16	12.84	1.259	ok	1.258	1.198-1.318
o-Dichlorobenzene	16.68	12.84	1.299	ok	1.299	1.239-1.359
p-Dichlorobenzene	16.25	12.84	1.266	ok	1.265	1.205-1.325
trans-1,3-Dichloropropene	10.64	8.71	1.222	ok	1.221	1.161-1.281
Di-Isopropyl ether	7.10	7.15	0.993	ok	0.996	0.936-1.056
2,3-Dimethylpentane	8.74	8.71	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	7.75	7.15	1.084	ok	1.086	1.026-1.146
Ethanol	4.93	7.15	0.690	ok	0.692	0.632-0.752
Ethylbenzene	13.26	12.84	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.17	7.15	1.003	ok	1.005	0.945-1.065
4-Ethyltoluene	15.37	12.84	1.197	ok	1.197	1.137-1.257
Freon 113	5.82	7.15	0.814	ok	0.815	0.755-0.875
Freon 114	4.46	7.15	0.624	ok	0.625	0.565-0.685
Freon 123	5.08	7.15	0.710	ok	0.712	0.652-0.772
Freon 123A	5.12	7.15	0.716	ok	0.716	0.656-0.776
Freon 152A	4.25	7.15	0.594	ok	0.595	0.535-0.655
Heptane	9.50	8.71	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	19.36	12.84	1.508	ok	1.508	1.448-1.568
Hexachloroethane	17.51	12.84	1.364	ok	1.364	1.304-1.424
Hexane	7.07	7.15	0.989	ok	0.991	0.931-1.051
2-Hexanone	11.32	12.84	0.882	ok	0.883	0.823-0.943
Iodomethane	5.57	7.15	0.779	ok	0.780	0.720-0.840
Isopropylbenzene	14.61	12.84	1.138	ok	1.137	1.077-1.197
Isopropyl Alcohol	5.32	7.15	0.744	ok	0.747	0.687-0.807
p-Isopropyltoluene	16.51	12.84	1.286	ok	1.286	1.226-1.346
Methylene chloride	5.69	7.15	0.796	ok	0.796	0.736-0.856
Methyl ethyl ketone	6.68	7.15	0.934	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	10.13	8.71	1.163	ok	1.167	1.107-1.227
Methyl Tert Butyl Ether	6.41	7.15	0.897	ok	0.901	0.841-0.961
Methylmethacrylate	9.53	8.71	1.094	ok	1.095	1.035-1.155
Naphthalene	18.92	12.84	1.474	ok	1.474	1.414-1.534
Nonane	14.17	12.84	1.104	ok	1.103	1.043-1.163
Octane	11.97	12.84	0.932	ok	0.932	0.872-0.992
Pentane	5.40	7.15	0.755	ok	0.756	0.696-0.816
n-Propylbenzene	15.19	12.84	1.183	ok	1.183	1.123-1.243
Propylene	4.29	7.15	0.600	ok	0.601	0.541-0.661
Styrene	13.86	12.84	1.079	ok	1.079	1.019-1.139
1,1,1-Trichloroethane	8.00	7.15	1.119	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1928-ICC1928	3W50751.D	10/31/15 00:48	YMH	10	GCMS3W	TO-15	
V3W1928-IC1928	3W50752.D	10/31/15 01:29	YMH	5	GCMS3W	TO-15	
V3W1928-IC1928	3W50753.D	10/31/15 02:10	YMH	0.5	GCMS3W	TO-15	
V3W1928-IC1928	3W50754.D	10/31/15 02:51	YMH	0.2	GCMS3W	TO-15	
V3W1928-IC1928	3W50755.D	10/31/15 03:33	YMH	20	GCMS3W	TO-15	
V3W1928-IC1928	3W50756.D	10/31/15 04:14	YMH	15	GCMS3W	TO-15	
V3W1928-IC1928	3W50758.D	10/31/15 05:37	YMH	0.1	GCMS3W	TO-15	
V3W1928-IC1928	3W50759.D	10/31/15 06:18	YMH	0.04	GCMS3W	TO-15	
V3W1928-IC1928	3W50760.D	10/31/15 07:00	YMH	30	GCMS3W	TO-15	
V3W1928-IC1928	3W50762.D	10/31/15 08:24	YMH	40	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	12.86	12.84	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	13.98	12.84	1.089	ok	1.088	1.028-1.148
1,1,2-Trichloroethane	10.79	8.71	1.239	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	18.78	12.84	1.463	ok	1.463	1.403-1.523
1,2,3-Trichloropropane	14.10	12.84	1.098	ok	1.098	1.038-1.158
1,2,4-Trimethylbenzene	15.97	12.84	1.244	ok	1.244	1.184-1.304
1,3,5-Trimethylbenzene	15.47	12.84	1.205	ok	1.205	1.145-1.265
2,2,4-Trimethylpentane	9.24	8.71	1.061	ok	1.061	1.001-1.121
Tertiary Butyl Alcohol	5.65	7.15	0.790	ok	0.797	0.737-0.857
Tetrachloroethylene	12.16	12.84	0.947	ok	0.947	0.887-1.007
Tetrahydrofuran	7.54	7.15	1.055	ok	1.062	1.002-1.122
Toluene	11.04	8.71	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.31	8.71	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.24	7.15	0.733	ok	0.734	0.674-0.794
Vinyl chloride	4.54	7.15	0.635	ok	0.635	0.575-0.695
Vinyl Acetate	6.51	7.15	0.910	ok	0.912	0.852-0.972
m,p-Xylene	13.45	12.84	1.048	ok	1.048	0.988-1.108
o-Xylene	13.95	12.84	1.086	ok	1.087	1.027-1.147
TVHC As Equiv Pentane	5.40	7.15	0.755	ok	0.757	0.697-0.817
TVHC As Equiv Heptane	9.51	8.71	1.092	ok	1.091	1.031-1.151

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.15	ok	7.14	6.81-7.47	153254	ok	136604	81962-191246
1,4-Difluorobenzene	8.71	ok	8.71	8.38-9.04	763814	ok	663311	397987-928635
Chlorobenzene-D5	12.84	ok	12.83	12.50-13.16	417947	ok	314705	188823-440587

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.54	8.52	0.650	ok	0.652	0.592-0.712
Acrylonitrile	5.96	8.52	0.700	ok	0.700	0.640-0.760
Acetonitrile	5.32	8.52	0.624	ok	0.625	0.565-0.685
1,3-Butadiene	4.65	8.52	0.546	ok	0.545	0.485-0.605
Benzene	10.27	8.52	1.205	ok	1.204	1.144-1.264
Bromobenzene	18.75	16.19	1.158	ok	1.159	1.099-1.219
Bromodichloromethane	11.46	10.68	1.073	ok	1.073	1.013-1.133
Bromoform	17.14	16.19	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.52	0.573	ok	0.573	0.513-0.633
Bromoethene	5.32	8.52	0.624	ok	0.624	0.564-0.684
n-Butane	4.68	8.52	0.549	ok	0.550	0.490-0.610
Benzyl Chloride	20.49	16.19	1.266	ok	1.266	1.206-1.326
n-Butylbenzene	21.46	16.19	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	20.68	16.19	1.277	ok	1.278	1.218-1.338
tert-Butylbenzene	20.30	16.19	1.254	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.52	0.782	ok	0.781	0.721-0.841
Chlorobenzene	16.25	16.19	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.12	8.52	0.484	ok	0.484	0.424-0.544
Chloroethane	5.02	8.52	0.589	ok	0.589	0.529-0.649
Chloroform	8.66	8.52	1.016	ok	1.016	0.956-1.076
Chloromethane	4.35	8.52	0.511	ok	0.510	0.450-0.570
3-Chloropropene	6.49	8.52	0.762	ok	0.761	0.701-0.821
2-Chlorotoluene	19.34	16.19	1.195	ok	1.195	1.135-1.255
Carbon tetrachloride	10.43	8.52	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.57	8.52	1.241	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.52	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.26	8.52	0.735	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.68	10.68	1.375	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.46	8.52	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.22	10.68	1.051	ok	1.050	0.990-1.110
1,4-Dioxane	11.53	10.68	1.080	ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.20	8.52	0.493	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.52	0.599	ok	0.598	0.538-0.658
Dibromochloromethane	14.36	10.68	1.345	ok	1.345	1.285-1.405
Dibromomethane	11.20	10.68	1.049	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.28	8.52	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.52	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.57	10.68	1.177	ok	1.177	1.117-1.237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
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V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	20.50	16.19	1.266	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.05	16.19	1.300	ok	1.301	1.241-1.361
p-Dichlorobenzene	20.60	16.19	1.272	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.24	10.68	1.240	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.55	8.52	1.004	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.84	8.52	1.272	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.51	8.52	1.116	ok	1.116	1.056-1.176
Ethanol	5.13	8.52	0.602	ok	0.602	0.542-0.662
Ethylbenzene	16.79	16.19	1.037	ok	1.037	0.977-1.097
Ethyl Acetate	8.59	8.52	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	19.62	16.19	1.212	ok	1.212	1.152-1.272
Freon 113	6.62	8.52	0.777	ok	0.777	0.717-0.837
Freon 114	4.43	8.52	0.520	ok	0.520	0.460-0.580
Freon 123	5.45	8.52	0.640	ok	0.639	0.579-0.699
Freon 123A	5.50	8.52	0.646	ok	0.645	0.585-0.705
Freon 141B	5.79	8.52	0.680	ok	0.679	0.619-0.739
Freon 142B	4.33	8.52	0.508	ok	0.508	0.448-0.568
Freon 143a	3.98	8.52	0.467	ok	0.467	0.407-0.527
Freon 152A	4.08	8.52	0.479	ok	0.479	0.419-0.539
Heptane	11.86	10.68	1.110	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.19	1.471	ok	1.471	1.411-1.531
Hexachloroethane	21.93	16.19	1.355	ok	1.355	1.295-1.415
Hexane	8.54	8.52	1.002	ok	1.002	0.942-1.062
2-Hexanone	14.17	10.68	1.327	ok	1.327	1.267-1.387
Iodomethane	6.20	8.52	0.728	ok	0.727	0.667-0.787
Isopropylbenzene	18.64	16.19	1.151	ok	1.151	1.091-1.211
Isopropyl Alcohol	5.76	8.52	0.676	ok	0.677	0.617-0.737
p-Isopropyltoluene	20.90	16.19	1.291	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.52	0.749	ok	0.749	0.689-0.809
Methyl ethyl ketone	7.89	8.52	0.926	ok	0.927	0.867-0.987
Methyl Isobutyl Ketone	12.62	10.68	1.182	ok	1.182	1.122-1.242
Methyl Tert Butyl Ether	7.53	8.52	0.884	ok	0.886	0.826-0.946
Methylmethacrylate	11.77	10.68	1.102	ok	1.102	1.042-1.162
Naphthalene	23.36	16.19	1.443	ok	1.444	1.384-1.504
Nonane	18.10	16.19	1.118	ok	1.118	1.058-1.178
Octane	15.13	10.68	1.417	ok	1.417	1.357-1.477
Pentane	5.99	8.52	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	19.40	16.19	1.198	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
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V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.14	8.52	0.486	ok	0.486	0.426-0.546
Styrene	17.58	16.19	1.086	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.74	8.52	1.143	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.23	10.68	1.520	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.73	16.19	1.095	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.45	10.68	1.259	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.24	16.19	1.435	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	17.92	16.19	1.107	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.31	16.19	1.254	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.74	16.19	1.219	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.53	10.68	1.080	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.30	8.52	0.739	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.68	1.434	ok	1.433	1.373-1.493
Tetrahydrofuran	9.11	8.52	1.069	ok	1.071	1.011-1.131
Toluene	13.80	10.68	1.292	ok	1.292	1.232-1.352
Trichloroethylene	11.50	10.68	1.077	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.52	0.668	ok	0.668	0.608-0.728
Vinyl chloride	4.53	8.52	0.532	ok	0.532	0.472-0.592
Vinyl Acetate	7.63	8.52	0.896	ok	0.896	0.836-0.956
m,p-Xylene	17.06	16.19	1.054	ok	1.054	0.994-1.114
o-Xylene	17.73	16.19	1.095	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.19	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.52	ok	8.52	8.19-8.85	166962	ok	164090	98454-229726
1,4-Difluorobenzene	10.68	ok	10.68	10.35-11.01	626047	ok	639164	383498-894830
Chlorobenzene-D5	16.19	ok	16.19	15.86-16.52	360964	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

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V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	Reporting this level
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V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.55	8.52	0.651	ok	0.652	0.592-0.712
Acrylonitrile	5.96	8.52	0.700	ok	0.700	0.640-0.760
Acetonitrile	5.32	8.52	0.624	ok	0.625	0.565-0.685
1,3-Butadiene	4.64	8.52	0.545	ok	0.545	0.485-0.605
Benzene	10.26	8.52	1.204	ok	1.204	1.144-1.264
Bromobenzene	18.75	16.18	1.159	ok	1.159	1.099-1.219
Bromodichloromethane	11.46	10.68	1.073	ok	1.073	1.013-1.133
Bromoform	17.14	16.18	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.52	0.573	ok	0.573	0.513-0.633
Bromoethene	5.32	8.52	0.624	ok	0.624	0.564-0.684
n-Butane	4.68	8.52	0.549	ok	0.550	0.490-0.610
Benzyl Chloride	20.49	16.18	1.266	ok	1.266	1.206-1.326
n-Butylbenzene	21.46	16.18	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	20.67	16.18	1.278	ok	1.278	1.218-1.338
tert-Butylbenzene	20.29	16.18	1.254	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.52	0.782	ok	0.781	0.721-0.841
Chlorobenzene	16.24	16.18	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.12	8.52	0.484	ok	0.484	0.424-0.544
Chloroethane	5.02	8.52	0.589	ok	0.589	0.529-0.649
Chloroform	8.66	8.52	1.016	ok	1.016	0.956-1.076
Chloromethane	4.35	8.52	0.511	ok	0.510	0.450-0.570
3-Chloropropene	6.48	8.52	0.761	ok	0.761	0.701-0.821
2-Chlorotoluene	19.33	16.18	1.195	ok	1.195	1.135-1.255
Carbon tetrachloride	10.43	8.52	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.57	8.52	1.241	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.52	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.26	8.52	0.735	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.67	10.68	1.374	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.46	8.52	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.22	10.68	1.051	ok	1.050	0.990-1.110
1,4-Dioxane	11.53	10.68	1.080	ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.21	8.52	0.494	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.52	0.599	ok	0.598	0.538-0.658
Dibromochloromethane	14.36	10.68	1.345	ok	1.345	1.285-1.405
Dibromomethane	11.20	10.68	1.049	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.27	8.52	0.853	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.52	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.57	10.68	1.177	ok	1.177	1.117-1.237

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V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	20.50	16.18	1.267	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.05	16.18	1.301	ok	1.301	1.241-1.361
p-Dichlorobenzene	20.60	16.18	1.273	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.23	10.68	1.239	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.55	8.52	1.004	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.84	8.52	1.272	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.51	8.52	1.116	ok	1.116	1.056-1.176
Ethanol	5.13	8.52	0.602	ok	0.602	0.542-0.662
Ethylbenzene	16.78	16.18	1.037	ok	1.037	0.977-1.097
Ethyl Acetate	8.59	8.52	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	19.62	16.18	1.213	ok	1.212	1.152-1.272
Freon 113	6.62	8.52	0.777	ok	0.777	0.717-0.837
Freon 114	4.43	8.52	0.520	ok	0.520	0.460-0.580
Freon 123	5.45	8.52	0.640	ok	0.639	0.579-0.699
Freon 123A	5.50	8.52	0.646	ok	0.645	0.585-0.705
Freon 141B	5.79	8.52	0.680	ok	0.679	0.619-0.739
Freon 142B	4.33	8.52	0.508	ok	0.508	0.448-0.568
Freon 143a	3.98	8.52	0.467	ok	0.467	0.407-0.527
Freon 152A	4.08	8.52	0.479	ok	0.479	0.419-0.539
Heptane	11.86	10.68	1.110	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.18	1.472	ok	1.471	1.411-1.531
Hexachloroethane	21.93	16.18	1.355	ok	1.355	1.295-1.415
Hexane	8.54	8.52	1.002	ok	1.002	0.942-1.062
2-Hexanone	14.17	10.68	1.327	ok	1.327	1.267-1.387
Iodomethane	6.19	8.52	0.727	ok	0.727	0.667-0.787
Isopropylbenzene	18.63	16.18	1.151	ok	1.151	1.091-1.211
Isopropyl Alcohol	5.76	8.52	0.676	ok	0.677	0.617-0.737
p-Isopropyltoluene	20.90	16.18	1.292	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.52	0.749	ok	0.749	0.689-0.809
Methyl ethyl ketone	7.89	8.52	0.926	ok	0.927	0.867-0.987
Methyl Isobutyl Ketone	12.62	10.68	1.182	ok	1.182	1.122-1.242
Methyl Tert Butyl Ether	7.54	8.52	0.885	ok	0.886	0.826-0.946
Methylmethacrylate	11.77	10.68	1.102	ok	1.102	1.042-1.162
Naphthalene	23.36	16.18	1.444	ok	1.444	1.384-1.504
Nonane	18.09	16.18	1.118	ok	1.118	1.058-1.178
Octane	15.13	10.68	1.417	ok	1.417	1.357-1.477
Pentane	5.99	8.52	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	19.40	16.18	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.14	8.52	0.486	ok	0.486	0.426-0.546
Styrene	17.58	16.18	1.087	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.74	8.52	1.143	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.23	10.68	1.520	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.73	16.18	1.096	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.45	10.68	1.259	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.23	16.18	1.436	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	17.92	16.18	1.108	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.31	16.18	1.255	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.74	16.18	1.220	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.52	10.68	1.079	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.30	8.52	0.739	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.68	1.434	ok	1.433	1.373-1.493
Tetrahydrofuran	9.12	8.52	1.070	ok	1.071	1.011-1.131
Toluene	13.80	10.68	1.292	ok	1.292	1.232-1.352
Trichloroethylene	11.50	10.68	1.077	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.52	0.668	ok	0.668	0.608-0.728
Vinyl chloride	4.53	8.52	0.532	ok	0.532	0.472-0.592
Vinyl Acetate	7.63	8.52	0.896	ok	0.896	0.836-0.956
m,p-Xylene	17.05	16.18	1.054	ok	1.054	0.994-1.114
o-Xylene	17.73	16.18	1.096	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.18	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.52	ok	8.52	8.19-8.85	177879	ok	164090	98454-229726
1,4-Difluorobenzene	10.68	ok	10.68	10.35-11.01	696195	ok	639164	383498-894830
Chlorobenzene-D5	16.18	ok	16.19	15.86-16.52	387751	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.57	8.52	0.654	ok	0.652	0.592-0.712
Acrylonitrile	5.97	8.52	0.701	ok	0.700	0.640-0.760
Acetonitrile	5.34	8.52	0.627	ok	0.625	0.565-0.685
1,3-Butadiene	4.64	8.52	0.545	ok	0.545	0.485-0.605
Benzene	10.26	8.52	1.204	ok	1.204	1.144-1.264
Bromobenzene	18.75	16.18	1.159	ok	1.159	1.099-1.219
Bromodichloromethane	11.45	10.68	1.072	ok	1.073	1.013-1.133
Bromoform	17.14	16.18	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.52	0.573	ok	0.573	0.513-0.633
Bromoethene	5.32	8.52	0.624	ok	0.624	0.564-0.684
n-Butane	4.68	8.52	0.549	ok	0.550	0.490-0.610
Benzyl Chloride	20.49	16.18	1.266	ok	1.266	1.206-1.326
n-Butylbenzene	21.46	16.18	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	20.67	16.18	1.278	ok	1.278	1.218-1.338
tert-Butylbenzene	20.29	16.18	1.254	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.52	0.782	ok	0.781	0.721-0.841
Chlorobenzene	16.24	16.18	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.13	8.52	0.485	ok	0.484	0.424-0.544
Chloroethane	5.02	8.52	0.589	ok	0.589	0.529-0.649
Chloroform	8.65	8.52	1.015	ok	1.016	0.956-1.076
Chloromethane	4.35	8.52	0.511	ok	0.510	0.450-0.570
3-Chloropropene	6.49	8.52	0.762	ok	0.761	0.701-0.821
2-Chlorotoluene	19.34	16.18	1.195	ok	1.195	1.135-1.255
Carbon tetrachloride	10.43	8.52	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.57	8.52	1.241	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.52	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.26	8.52	0.735	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.67	10.68	1.374	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.46	8.52	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.22	10.68	1.051	ok	1.050	0.990-1.110
1,4-Dioxane	11.56	10.68	1.082	ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.20	8.52	0.493	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.52	0.599	ok	0.598	0.538-0.658
Dibromochloromethane	14.36	10.68	1.345	ok	1.345	1.285-1.405
Dibromomethane	11.19	10.68	1.048	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.28	8.52	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.52	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.57	10.68	1.177	ok	1.177	1.117-1.237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	20.50	16.18	1.267	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.05	16.18	1.301	ok	1.301	1.241-1.361
p-Dichlorobenzene	20.60	16.18	1.273	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.24	10.68	1.240	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.56	8.52	1.005	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.84	8.52	1.272	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.51	8.52	1.116	ok	1.116	1.056-1.176
Ethanol	5.15	8.52	0.604	ok	0.602	0.542-0.662
Ethylbenzene	16.79	16.18	1.038	ok	1.037	0.977-1.097
Ethyl Acetate	8.60	8.52	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	19.62	16.18	1.213	ok	1.212	1.152-1.272
Freon 113	6.62	8.52	0.777	ok	0.777	0.717-0.837
Freon 114	4.43	8.52	0.520	ok	0.520	0.460-0.580
Freon 123	5.45	8.52	0.640	ok	0.639	0.579-0.699
Freon 123A	5.50	8.52	0.646	ok	0.645	0.585-0.705
Freon 141B	5.78	8.52	0.678	ok	0.679	0.619-0.739
Freon 142B	4.33	8.52	0.508	ok	0.508	0.448-0.568
Freon 143a	3.98	8.52	0.467	ok	0.467	0.407-0.527
Freon 152A	4.08	8.52	0.479	ok	0.479	0.419-0.539
Heptane	11.86	10.68	1.110	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.18	1.472	ok	1.471	1.411-1.531
Hexachloroethane	21.93	16.18	1.355	ok	1.355	1.295-1.415
Hexane	8.54	8.52	1.002	ok	1.002	0.942-1.062
2-Hexanone	14.19	10.68	1.329	ok	1.327	1.267-1.387
Iodomethane	6.19	8.52	0.727	ok	0.727	0.667-0.787
Isopropylbenzene	18.63	16.18	1.151	ok	1.151	1.091-1.211
Isopropyl Alcohol	5.78	8.52	0.678	ok	0.677	0.617-0.737
p-Isopropyltoluene	20.90	16.18	1.292	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.52	0.749	ok	0.749	0.689-0.809
Methyl ethyl ketone	7.92	8.52	0.930	ok	0.927	0.867-0.987
Methyl Isobutyl Ketone	12.64	10.68	1.184	ok	1.182	1.122-1.242
Methyl Tert Butyl Ether	7.56	8.52	0.887	ok	0.886	0.826-0.946
Methylmethacrylate	11.78	10.68	1.103	ok	1.102	1.042-1.162
Naphthalene	23.37	16.18	1.444	ok	1.444	1.384-1.504
Nonane	18.09	16.18	1.118	ok	1.118	1.058-1.178
Octane	15.13	10.68	1.417	ok	1.417	1.357-1.477
Pentane	5.99	8.52	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	19.40	16.18	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.14	8.52	0.486	ok	0.486	0.426-0.546
Styrene	17.58	16.18	1.087	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.74	8.52	1.143	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.23	10.68	1.520	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.73	16.18	1.096	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.45	10.68	1.259	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.24	16.18	1.436	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	17.93	16.18	1.108	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.31	16.18	1.255	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.74	16.18	1.220	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.52	10.68	1.079	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.32	8.52	0.742	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.68	1.434	ok	1.433	1.373-1.493
Tetrahydrofuran	9.15	8.52	1.074	ok	1.071	1.011-1.131
Toluene	13.80	10.68	1.292	ok	1.292	1.232-1.352
Trichloroethylene	11.50	10.68	1.077	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.52	0.668	ok	0.668	0.608-0.728
Vinyl chloride	4.53	8.52	0.532	ok	0.532	0.472-0.592
Vinyl Acetate	7.64	8.52	0.897	ok	0.896	0.836-0.956
m,p-Xylene	17.03	16.18	1.053	ok	1.054	0.994-1.114
o-Xylene	17.73	16.18	1.096	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.18	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.52	ok	8.52	8.19-8.85	161773	ok	164090	98454-229726
1,4-Difluorobenzene	10.68	ok	10.68	10.35-11.01	633828	ok	639164	383498-894830
Chlorobenzene-D5	16.18	ok	16.19	15.86-16.52	339755	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.58	8.52	0.655	ok	0.652	0.592-0.712
Acrylonitrile	5.97	8.52	0.701	ok	0.700	0.640-0.760
Acetonitrile	5.34	8.52	0.627	ok	0.625	0.565-0.685
1,3-Butadiene	4.65	8.52	0.546	ok	0.545	0.485-0.605
Benzene	10.26	8.52	1.204	ok	1.204	1.144-1.264
Bromobenzene	18.75	16.18	1.159	ok	1.159	1.099-1.219
Bromodichloromethane	11.46	10.68	1.073	ok	1.073	1.013-1.133
Bromoform	17.14	16.18	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.52	0.573	ok	0.573	0.513-0.633
Bromoethene	5.32	8.52	0.624	ok	0.624	0.564-0.684
n-Butane	4.69	8.52	0.550	ok	0.550	0.490-0.610
Benzyl Chloride	20.50	16.18	1.267	ok	1.266	1.206-1.326
n-Butylbenzene	21.46	16.18	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	20.68	16.18	1.278	ok	1.278	1.218-1.338
tert-Butylbenzene	20.29	16.18	1.254	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.52	0.782	ok	0.781	0.721-0.841
Chlorobenzene	16.24	16.18	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.12	8.52	0.484	ok	0.484	0.424-0.544
Chloroethane	5.02	8.52	0.589	ok	0.589	0.529-0.649
Chloroform	8.65	8.52	1.015	ok	1.016	0.956-1.076
Chloromethane	4.35	8.52	0.511	ok	0.510	0.450-0.570
3-Chloropropene	6.48	8.52	0.761	ok	0.761	0.701-0.821
2-Chlorotoluene	19.34	16.18	1.195	ok	1.195	1.135-1.255
Carbon tetrachloride	10.43	8.52	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.56	8.52	1.239	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.52	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.26	8.52	0.735	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.68	10.68	1.375	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.46	8.52	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.22	10.68	1.051	ok	1.050	0.990-1.110
1,4-Dioxane	11.57	10.68	1.083	ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.21	8.52	0.494	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.52	0.599	ok	0.598	0.538-0.658
Dibromochloromethane	14.36	10.68	1.345	ok	1.345	1.285-1.405
Dibromomethane	11.20	10.68	1.049	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.28	8.52	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.52	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.57	10.68	1.177	ok	1.177	1.117-1.237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	20.50	16.18	1.267	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.06	16.18	1.302	ok	1.301	1.241-1.361
p-Dichlorobenzene	20.60	16.18	1.273	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.25	10.68	1.241	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.57	8.52	1.006	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.84	8.52	1.272	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.51	8.52	1.116	ok	1.116	1.056-1.176
Ethylbenzene	16.79	16.18	1.038	ok	1.037	0.977-1.097
Ethyl Acetate	8.62	8.52	1.012	ok	1.009	0.949-1.069
4-Ethyltoluene	19.62	16.18	1.213	ok	1.212	1.152-1.272
Freon 113	6.62	8.52	0.777	ok	0.777	0.717-0.837
Freon 114	4.43	8.52	0.520	ok	0.520	0.460-0.580
Freon 123	5.45	8.52	0.640	ok	0.639	0.579-0.699
Freon 123A	5.50	8.52	0.646	ok	0.645	0.585-0.705
Freon 141B	5.79	8.52	0.680	ok	0.679	0.619-0.739
Freon 142B	4.33	8.52	0.508	ok	0.508	0.448-0.568
Freon 143a	3.98	8.52	0.467	ok	0.467	0.407-0.527
Freon 152A	4.08	8.52	0.479	ok	0.479	0.419-0.539
Heptane	11.86	10.68	1.110	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.18	1.472	ok	1.471	1.411-1.531
Hexachloroethane	21.93	16.18	1.355	ok	1.355	1.295-1.415
Hexane	8.54	8.52	1.002	ok	1.002	0.942-1.062
2-Hexanone	14.20	10.68	1.330	ok	1.327	1.267-1.387
Iodomethane	6.19	8.52	0.727	ok	0.727	0.667-0.787
Isopropylbenzene	18.64	16.18	1.152	ok	1.151	1.091-1.211
Isopropyl Alcohol	5.79	8.52	0.680	ok	0.677	0.617-0.737
p-Isopropyltoluene	20.90	16.18	1.292	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.52	0.749	ok	0.749	0.689-0.809
Methyl ethyl ketone	7.93	8.52	0.931	ok	0.927	0.867-0.987
Methyl Isobutyl Ketone	12.65	10.68	1.184	ok	1.182	1.122-1.242
Methyl Tert Butyl Ether	7.57	8.52	0.888	ok	0.886	0.826-0.946
Methylmethacrylate	11.78	10.68	1.103	ok	1.102	1.042-1.162
Naphthalene	23.37	16.18	1.444	ok	1.444	1.384-1.504
Nonane	18.10	16.18	1.119	ok	1.118	1.058-1.178
Octane	15.13	10.68	1.417	ok	1.417	1.357-1.477
Pentane	5.99	8.52	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	19.41	16.18	1.200	ok	1.199	1.139-1.259
Propylene	4.14	8.52	0.486	ok	0.486	0.426-0.546

Initial Calibration Retention Time/Internal Standard Area Summary

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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	17.58	16.18	1.087	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.74	8.52	1.143	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.23	10.68	1.520	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.73	16.18	1.096	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.45	10.68	1.259	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.24	16.18	1.436	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	17.93	16.18	1.108	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.31	16.18	1.255	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.74	16.18	1.220	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.52	10.68	1.079	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.34	8.52	0.744	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.68	1.434	ok	1.433	1.373-1.493
Tetrahydrofuran	9.17	8.52	1.076	ok	1.071	1.011-1.131
Toluene	13.80	10.68	1.292	ok	1.292	1.232-1.352
Trichloroethylene	11.50	10.68	1.077	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.52	0.668	ok	0.668	0.608-0.728
Vinyl chloride	4.53	8.52	0.532	ok	0.532	0.472-0.592
Vinyl Acetate	7.64	8.52	0.897	ok	0.896	0.836-0.956
m,p-Xylene	17.06	16.18	1.054	ok	1.054	0.994-1.114
o-Xylene	17.73	16.18	1.096	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.18	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.52	ok	8.52	8.19-8.85	154922	ok	164090	98454-229726
1,4-Difluorobenzene	10.68	ok	10.68	10.35-11.01	633133	ok	639164	383498-894830
Chlorobenzene-D5	16.18	ok	16.19	15.86-16.52	336250	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

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V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.54	8.53	0.649	ok	0.652	0.592-0.712
Acrylonitrile	5.97	8.53	0.700	ok	0.700	0.640-0.760
Acetonitrile	5.32	8.53	0.624	ok	0.625	0.565-0.685
1,3-Butadiene	4.65	8.53	0.545	ok	0.545	0.485-0.605
Benzene	10.27	8.53	1.204	ok	1.204	1.144-1.264
Bromobenzene	18.75	16.19	1.158	ok	1.159	1.099-1.219
Bromodichloromethane	11.47	10.69	1.073	ok	1.073	1.013-1.133
Bromoform	17.14	16.19	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.53	0.572	ok	0.573	0.513-0.633
Bromoethene	5.32	8.53	0.624	ok	0.624	0.564-0.684
n-Butane	4.69	8.53	0.550	ok	0.550	0.490-0.610
Benzyl Chloride	20.50	16.19	1.266	ok	1.266	1.206-1.326
n-Butylbenzene	21.47	16.19	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	20.68	16.19	1.277	ok	1.278	1.218-1.338
tert-Butylbenzene	20.30	16.19	1.254	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.53	0.781	ok	0.781	0.721-0.841
Chlorobenzene	16.25	16.19	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.13	8.53	0.484	ok	0.484	0.424-0.544
Chloroethane	5.02	8.53	0.589	ok	0.589	0.529-0.649
Chloroform	8.66	8.53	1.015	ok	1.016	0.956-1.076
Chloromethane	4.35	8.53	0.510	ok	0.510	0.450-0.570
3-Chloropropene	6.49	8.53	0.761	ok	0.761	0.701-0.821
2-Chlorotoluene	19.34	16.19	1.195	ok	1.195	1.135-1.255
Carbon tetrachloride	10.44	8.53	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.57	8.53	1.239	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.53	0.877	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.27	8.53	0.735	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.68	10.69	1.373	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.47	8.53	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.22	10.69	1.050	ok	1.050	0.990-1.110
1,4-Dioxane	11.53	10.69	1.079	ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.21	8.53	0.494	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.53	0.598	ok	0.598	0.538-0.658
Dibromochloromethane	14.37	10.69	1.344	ok	1.345	1.285-1.405
Dibromomethane	11.20	10.69	1.048	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.28	8.53	0.853	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.53	0.979	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.57	10.69	1.176	ok	1.177	1.117-1.237

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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	20.51	16.19	1.267	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.06	16.19	1.301	ok	1.301	1.241-1.361
p-Dichlorobenzene	20.60	16.19	1.272	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.24	10.69	1.239	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.55	8.53	1.002	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.85	8.53	1.272	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.51	8.53	1.115	ok	1.116	1.056-1.176
Ethanol	5.13	8.53	0.601	ok	0.602	0.542-0.662
Ethylbenzene	16.79	16.19	1.037	ok	1.037	0.977-1.097
Ethyl Acetate	8.59	8.53	1.007	ok	1.009	0.949-1.069
4-Ethyltoluene	19.62	16.19	1.212	ok	1.212	1.152-1.272
Freon 113	6.62	8.53	0.776	ok	0.777	0.717-0.837
Freon 114	4.43	8.53	0.519	ok	0.520	0.460-0.580
Freon 123	5.45	8.53	0.639	ok	0.639	0.579-0.699
Freon 123A	5.50	8.53	0.645	ok	0.645	0.585-0.705
Freon 141B	5.79	8.53	0.679	ok	0.679	0.619-0.739
Freon 142B	4.33	8.53	0.508	ok	0.508	0.448-0.568
Freon 143a	3.99	8.53	0.468	ok	0.467	0.407-0.527
Freon 152A	4.09	8.53	0.479	ok	0.479	0.419-0.539
Heptane	11.86	10.69	1.109	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.19	1.471	ok	1.471	1.411-1.531
Hexachloroethane	21.93	16.19	1.355	ok	1.355	1.295-1.415
Hexane	8.55	8.53	1.002	ok	1.002	0.942-1.062
2-Hexanone	14.18	10.69	1.326	ok	1.327	1.267-1.387
Iodomethane	6.20	8.53	0.727	ok	0.727	0.667-0.787
Isopropylbenzene	18.64	16.19	1.151	ok	1.151	1.091-1.211
Isopropyl Alcohol	5.76	8.53	0.675	ok	0.677	0.617-0.737
p-Isopropyltoluene	20.91	16.19	1.292	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.53	0.748	ok	0.749	0.689-0.809
Methyl ethyl ketone	7.89	8.53	0.925	ok	0.927	0.867-0.987
Methyl Isobutyl Ketone	12.62	10.69	1.181	ok	1.182	1.122-1.242
Methyl Tert Butyl Ether	7.53	8.53	0.883	ok	0.886	0.826-0.946
Methylmethacrylate	11.77	10.69	1.101	ok	1.102	1.042-1.162
Naphthalene	23.36	16.19	1.443	ok	1.444	1.384-1.504
Nonane	18.10	16.19	1.118	ok	1.118	1.058-1.178
Octane	15.13	10.69	1.415	ok	1.417	1.357-1.477
Pentane	5.99	8.53	0.702	ok	0.703	0.643-0.763
n-Propylbenzene	19.41	16.19	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.15	8.53	0.487	ok	0.486	0.426-0.546
Styrene	17.58	16.19	1.086	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.74	8.53	1.142	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.23	10.69	1.518	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.74	16.19	1.096	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.45	10.69	1.258	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.24	16.19	1.435	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	17.93	16.19	1.107	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.32	16.19	1.255	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.74	16.19	1.219	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.53	10.69	1.079	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.30	8.53	0.739	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.69	1.432	ok	1.433	1.373-1.493
Tetrahydrofuran	9.11	8.53	1.068	ok	1.071	1.011-1.131
Toluene	13.81	10.69	1.292	ok	1.292	1.232-1.352
Trichloroethylene	11.51	10.69	1.077	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.53	0.667	ok	0.668	0.608-0.728
Vinyl chloride	4.54	8.53	0.532	ok	0.532	0.472-0.592
Vinyl Acetate	7.63	8.53	0.894	ok	0.896	0.836-0.956
m,p-Xylene	17.06	16.19	1.054	ok	1.054	0.994-1.114
o-Xylene	17.74	16.19	1.096	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.19	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.53	ok	8.52	8.19-8.85	157372	ok	164090	98454-229726
1,4-Difluorobenzene	10.69	ok	10.68	10.35-11.01	630430	ok	639164	383498-894830
Chlorobenzene-D5	16.19	ok	16.19	15.86-16.52	370821	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.54	8.52	0.650	ok	0.652	0.592-0.712
Acrylonitrile	5.96	8.52	0.700	ok	0.700	0.640-0.760
Acetonitrile	5.32	8.52	0.624	ok	0.625	0.565-0.685
1,3-Butadiene	4.65	8.52	0.546	ok	0.545	0.485-0.605
Benzene	10.27	8.52	1.205	ok	1.204	1.144-1.264
Bromobenzene	18.75	16.19	1.158	ok	1.159	1.099-1.219
Bromodichloromethane	11.46	10.68	1.073	ok	1.073	1.013-1.133
Bromoform	17.14	16.19	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.52	0.573	ok	0.573	0.513-0.633
Bromoethene	5.32	8.52	0.624	ok	0.624	0.564-0.684
n-Butane	4.68	8.52	0.549	ok	0.550	0.490-0.610
Benzyl Chloride	20.50	16.19	1.266	ok	1.266	1.206-1.326
n-Butylbenzene	21.46	16.19	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	20.68	16.19	1.277	ok	1.278	1.218-1.338
tert-Butylbenzene	20.30	16.19	1.254	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.52	0.782	ok	0.781	0.721-0.841
Chlorobenzene	16.25	16.19	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.12	8.52	0.484	ok	0.484	0.424-0.544
Chloroethane	5.02	8.52	0.589	ok	0.589	0.529-0.649
Chloroform	8.66	8.52	1.016	ok	1.016	0.956-1.076
Chloromethane	4.35	8.52	0.511	ok	0.510	0.450-0.570
3-Chloropropene	6.49	8.52	0.762	ok	0.761	0.701-0.821
2-Chlorotoluene	19.34	16.19	1.195	ok	1.195	1.135-1.255
Carbon tetrachloride	10.43	8.52	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.57	8.52	1.241	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.52	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.26	8.52	0.735	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.68	10.68	1.375	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.46	8.52	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.22	10.68	1.051	ok	1.050	0.990-1.110
1,4-Dioxane	11.53	10.68	1.080	ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.21	8.52	0.494	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.52	0.599	ok	0.598	0.538-0.658
Dibromochloromethane	14.36	10.68	1.345	ok	1.345	1.285-1.405
Dibromomethane	11.20	10.68	1.049	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.28	8.52	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.52	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.57	10.68	1.177	ok	1.177	1.117-1.237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	20.50	16.19	1.266	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.06	16.19	1.301	ok	1.301	1.241-1.361
p-Dichlorobenzene	20.60	16.19	1.272	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.24	10.68	1.240	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.55	8.52	1.004	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.84	8.52	1.272	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.51	8.52	1.116	ok	1.116	1.056-1.176
Ethanol	5.13	8.52	0.602	ok	0.602	0.542-0.662
Ethylbenzene	16.79	16.19	1.037	ok	1.037	0.977-1.097
Ethyl Acetate	8.59	8.52	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	19.62	16.19	1.212	ok	1.212	1.152-1.272
Freon 113	6.62	8.52	0.777	ok	0.777	0.717-0.837
Freon 114	4.43	8.52	0.520	ok	0.520	0.460-0.580
Freon 123	5.45	8.52	0.640	ok	0.639	0.579-0.699
Freon 123A	5.50	8.52	0.646	ok	0.645	0.585-0.705
Freon 141B	5.79	8.52	0.680	ok	0.679	0.619-0.739
Freon 142B	4.33	8.52	0.508	ok	0.508	0.448-0.568
Freon 143a	3.98	8.52	0.467	ok	0.467	0.407-0.527
Freon 152A	4.08	8.52	0.479	ok	0.479	0.419-0.539
Heptane	11.86	10.68	1.110	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.19	1.471	ok	1.471	1.411-1.531
Hexachloroethane	21.93	16.19	1.355	ok	1.355	1.295-1.415
Hexane	8.54	8.52	1.002	ok	1.002	0.942-1.062
2-Hexanone	14.17	10.68	1.327	ok	1.327	1.267-1.387
Iodomethane	6.20	8.52	0.728	ok	0.727	0.667-0.787
Isopropylbenzene	18.64	16.19	1.151	ok	1.151	1.091-1.211
Isopropyl Alcohol	5.76	8.52	0.676	ok	0.677	0.617-0.737
p-Isopropyltoluene	20.91	16.19	1.292	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.52	0.749	ok	0.749	0.689-0.809
Methyl ethyl ketone	7.89	8.52	0.926	ok	0.927	0.867-0.987
Methyl Isobutyl Ketone	12.62	10.68	1.182	ok	1.182	1.122-1.242
Methyl Tert Butyl Ether	7.53	8.52	0.884	ok	0.886	0.826-0.946
Methylmethacrylate	11.77	10.68	1.102	ok	1.102	1.042-1.162
Naphthalene	23.36	16.19	1.443	ok	1.444	1.384-1.504
Nonane	18.10	16.19	1.118	ok	1.118	1.058-1.178
Octane	15.13	10.68	1.417	ok	1.417	1.357-1.477
Pentane	5.99	8.52	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	19.41	16.19	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.14	8.52	0.486	ok	0.486	0.426-0.546
Styrene	17.58	16.19	1.086	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.74	8.52	1.143	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.23	10.68	1.520	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.73	16.19	1.095	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.46	10.68	1.260	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.24	16.19	1.435	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	17.93	16.19	1.107	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.31	16.19	1.254	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.74	16.19	1.219	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.53	10.68	1.080	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.30	8.52	0.739	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.68	1.434	ok	1.433	1.373-1.493
Tetrahydrofuran	9.11	8.52	1.069	ok	1.071	1.011-1.131
Toluene	13.81	10.68	1.293	ok	1.292	1.232-1.352
Trichloroethylene	11.51	10.68	1.078	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.52	0.668	ok	0.668	0.608-0.728
Vinyl chloride	4.53	8.52	0.532	ok	0.532	0.472-0.592
Vinyl Acetate	7.63	8.52	0.896	ok	0.896	0.836-0.956
m,p-Xylene	17.06	16.19	1.054	ok	1.054	0.994-1.114
o-Xylene	17.73	16.19	1.095	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.19	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.52	ok	8.52	8.19-8.85	166686	ok	164090	98454-229726
1,4-Difluorobenzene	10.68	ok	10.68	10.35-11.01	648611	ok	639164	383498-894830
Chlorobenzene-D5	16.19	ok	16.19	15.86-16.52	373888	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.59	8.52	0.656	ok	0.652	0.592-0.712
Acrylonitrile	5.98	8.52	0.702	ok	0.700	0.640-0.760
1,3-Butadiene	4.64	8.52	0.545	ok	0.545	0.485-0.605
Benzene	10.26	8.52	1.204	ok	1.204	1.144-1.264
Bromobenzene	18.75	16.18	1.159	ok	1.159	1.099-1.219
Bromodichloromethane	11.46	10.68	1.073	ok	1.073	1.013-1.133
Bromoform	17.14	16.18	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.52	0.573	ok	0.573	0.513-0.633
Bromoethene	5.32	8.52	0.624	ok	0.624	0.564-0.684
n-Butane	4.69	8.52	0.550	ok	0.550	0.490-0.610
Benzyl Chloride	20.50	16.18	1.267	ok	1.266	1.206-1.326
n-Butylbenzene	21.46	16.18	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	20.68	16.18	1.278	ok	1.278	1.218-1.338
tert-Butylbenzene	20.30	16.18	1.255	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.52	0.782	ok	0.781	0.721-0.841
Chlorobenzene	16.25	16.18	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.12	8.52	0.484	ok	0.484	0.424-0.544
Chloroethane	5.02	8.52	0.589	ok	0.589	0.529-0.649
Chloroform	8.65	8.52	1.015	ok	1.016	0.956-1.076
Chloromethane	4.35	8.52	0.511	ok	0.510	0.450-0.570
3-Chloropropene	6.48	8.52	0.761	ok	0.761	0.701-0.821
2-Chlorotoluene	19.34	16.18	1.195	ok	1.195	1.135-1.255
Carbon tetrachloride	10.43	8.52	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.57	8.52	1.241	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.52	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.26	8.52	0.735	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.68	10.68	1.375	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.46	8.52	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.22	10.68	1.051	ok	1.050	0.990-1.110
Dichlorodifluoromethane	4.20	8.52	0.493	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.52	0.599	ok	0.598	0.538-0.658
Dibromochloromethane	14.36	10.68	1.345	ok	1.345	1.285-1.405
Dibromomethane	11.20	10.68	1.049	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.28	8.52	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.52	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.58	10.68	1.178	ok	1.177	1.117-1.237
m-Dichlorobenzene	20.51	16.18	1.268	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.06	16.18	1.302	ok	1.301	1.241-1.361

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	20.60	16.18	1.273	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.25	10.68	1.241	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.57	8.52	1.006	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.85	8.52	1.273	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.51	8.52	1.116	ok	1.116	1.056-1.176
Ethylbenzene	16.79	16.18	1.038	ok	1.037	0.977-1.097
Ethyl Acetate	8.62	8.52	1.012	ok	1.009	0.949-1.069
4-Ethyltoluene	19.63	16.18	1.213	ok	1.212	1.152-1.272
Freon 113	6.62	8.52	0.777	ok	0.777	0.717-0.837
Freon 114	4.43	8.52	0.520	ok	0.520	0.460-0.580
Freon 123	5.45	8.52	0.640	ok	0.639	0.579-0.699
Freon 123A	5.50	8.52	0.646	ok	0.645	0.585-0.705
Freon 141B	5.79	8.52	0.680	ok	0.679	0.619-0.739
Freon 142B	4.33	8.52	0.508	ok	0.508	0.448-0.568
Freon 143a	3.98	8.52	0.467	ok	0.467	0.407-0.527
Freon 152A	4.08	8.52	0.479	ok	0.479	0.419-0.539
Heptane	11.86	10.68	1.110	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.18	1.472	ok	1.471	1.411-1.531
Hexachloroethane	21.93	16.18	1.355	ok	1.355	1.295-1.415
Hexane	8.54	8.52	1.002	ok	1.002	0.942-1.062
Iodomethane	6.20	8.52	0.728	ok	0.727	0.667-0.787
Isopropylbenzene	18.63	16.18	1.151	ok	1.151	1.091-1.211
p-Isopropyltoluene	20.91	16.18	1.292	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.52	0.749	ok	0.749	0.689-0.809
Methyl Isobutyl Ketone	12.65	10.68	1.184	ok	1.182	1.122-1.242
Methyl Tert Butyl Ether	7.58	8.52	0.890	ok	0.886	0.826-0.946
Methylmethacrylate	11.79	10.68	1.104	ok	1.102	1.042-1.162
Naphthalene	23.37	16.18	1.444	ok	1.444	1.384-1.504
Nonane	18.09	16.18	1.118	ok	1.118	1.058-1.178
Octane	15.13	10.68	1.417	ok	1.417	1.357-1.477
Pentane	5.99	8.52	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	19.41	16.18	1.200	ok	1.199	1.139-1.259
Styrene	17.59	16.18	1.087	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.74	8.52	1.143	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.22	10.68	1.519	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.73	16.18	1.096	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.45	10.68	1.259	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.24	16.18	1.436	ok	1.436	1.376-1.496

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,3-Trichloropropane	17.93	16.18	1.108	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.31	16.18	1.255	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.74	16.18	1.220	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.52	10.68	1.079	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.35	8.52	0.745	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.68	1.434	ok	1.433	1.373-1.493
Tetrahydrofuran	9.18	8.52	1.077	ok	1.071	1.011-1.131
Toluene	13.81	10.68	1.293	ok	1.292	1.232-1.352
Trichloroethylene	11.50	10.68	1.077	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.52	0.668	ok	0.668	0.608-0.728
Vinyl chloride	4.54	8.52	0.533	ok	0.532	0.472-0.592
Vinyl Acetate	7.65	8.52	0.898	ok	0.896	0.836-0.956
m,p-Xylene	17.05	16.18	1.054	ok	1.054	0.994-1.114
o-Xylene	17.73	16.18	1.096	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.18	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.52	ok	8.52	8.19-8.85	163538	ok	164090	98454-229726
1,4-Difluorobenzene	10.68	ok	10.68	10.35-11.01	631062	ok	639164	383498-894830
Chlorobenzene-D5	16.18	ok	16.19	15.86-16.52	333254	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.97	8.52	0.701	ok	0.700	0.640-0.760
1,3-Butadiene	4.65	8.52	0.546	ok	0.545	0.485-0.605
Benzene	10.26	8.52	1.204	ok	1.204	1.144-1.264
Bromobenzene	18.75	16.18	1.159	ok	1.159	1.099-1.219
Bromodichloromethane	11.46	10.68	1.073	ok	1.073	1.013-1.133
Bromoform	17.14	16.18	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.52	0.573	ok	0.573	0.513-0.633
Bromoethene	5.32	8.52	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	20.50	16.18	1.267	ok	1.266	1.206-1.326
n-Butylbenzene	21.47	16.18	1.327	ok	1.326	1.266-1.386
sec-Butylbenzene	20.68	16.18	1.278	ok	1.278	1.218-1.338
tert-Butylbenzene	20.29	16.18	1.254	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.52	0.782	ok	0.781	0.721-0.841
Chlorobenzene	16.25	16.18	1.004	ok	1.004	0.944-1.064
Chloroethane	5.03	8.52	0.590	ok	0.589	0.529-0.649
Chloroform	8.66	8.52	1.016	ok	1.016	0.956-1.076
Chloromethane	4.35	8.52	0.511	ok	0.510	0.450-0.570
3-Chloropropene	6.49	8.52	0.762	ok	0.761	0.701-0.821
2-Chlorotoluene	19.34	16.18	1.195	ok	1.195	1.135-1.255
Carbon tetrachloride	10.43	8.52	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.56	8.52	1.239	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.52	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.27	8.52	0.736	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.68	10.68	1.375	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.46	8.52	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.22	10.68	1.051	ok	1.050	0.990-1.110
Dichlorodifluoromethane	4.21	8.52	0.494	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.52	0.599	ok	0.598	0.538-0.658
Dibromochloromethane	14.37	10.68	1.346	ok	1.345	1.285-1.405
Dibromomethane	11.20	10.68	1.049	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.28	8.52	0.854	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.52	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.59	10.68	1.179	ok	1.177	1.117-1.237
m-Dichlorobenzene	20.51	16.18	1.268	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.07	16.18	1.302	ok	1.301	1.241-1.361
p-Dichlorobenzene	20.61	16.18	1.274	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.25	10.68	1.241	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.58	8.52	1.007	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2,3-Dimethylpentane	10.84	8.52	1.272	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.51	8.52	1.116	ok	1.116	1.056-1.176
Ethylbenzene	16.79	16.18	1.038	ok	1.037	0.977-1.097
4-Ethyltoluene	19.63	16.18	1.213	ok	1.212	1.152-1.272
Freon 113	6.62	8.52	0.777	ok	0.777	0.717-0.837
Freon 114	4.43	8.52	0.520	ok	0.520	0.460-0.580
Freon 123	5.45	8.52	0.640	ok	0.639	0.579-0.699
Freon 123A	5.50	8.52	0.646	ok	0.645	0.585-0.705
Freon 141B	5.80	8.52	0.681	ok	0.679	0.619-0.739
Freon 142B	4.33	8.52	0.508	ok	0.508	0.448-0.568
Freon 143a	3.99	8.52	0.468	ok	0.467	0.407-0.527
Freon 152A	4.09	8.52	0.480	ok	0.479	0.419-0.539
Heptane	11.85	10.68	1.110	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.18	1.472	ok	1.471	1.411-1.531
Hexachloroethane	21.92	16.18	1.355	ok	1.355	1.295-1.415
Hexane	8.55	8.52	1.004	ok	1.002	0.942-1.062
Iodomethane	6.20	8.52	0.728	ok	0.727	0.667-0.787
Isopropylbenzene	18.64	16.18	1.152	ok	1.151	1.091-1.211
p-Isopropyltoluene	20.91	16.18	1.292	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.52	0.749	ok	0.749	0.689-0.809
Methyl Tert Butyl Ether	7.58	8.52	0.890	ok	0.886	0.826-0.946
Methylmethacrylate	11.79	10.68	1.104	ok	1.102	1.042-1.162
Naphthalene	23.37	16.18	1.444	ok	1.444	1.384-1.504
Nonane	18.10	16.18	1.119	ok	1.118	1.058-1.178
Octane	15.14	10.68	1.418	ok	1.417	1.357-1.477
n-Propylbenzene	19.41	16.18	1.200	ok	1.199	1.139-1.259
Styrene	17.60	16.18	1.088	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.74	8.52	1.143	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.23	10.68	1.520	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.74	16.18	1.096	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.47	10.68	1.261	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.24	16.18	1.436	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	17.94	16.18	1.109	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.31	16.18	1.255	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.74	16.18	1.220	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.52	10.68	1.079	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.37	8.52	0.748	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.68	1.434	ok	1.433	1.373-1.493

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Toluene	13.81	10.68	1.293	ok	1.292	1.232-1.352
Trichloroethylene	11.50	10.68	1.077	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.52	0.668	ok	0.668	0.608-0.728
Vinyl chloride	4.54	8.52	0.533	ok	0.532	0.472-0.592
Vinyl Acetate	7.65	8.52	0.898	ok	0.896	0.836-0.956
m,p-Xylene	17.06	16.18	1.054	ok	1.054	0.994-1.114
o-Xylene	17.74	16.18	1.096	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.18	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.52	ok	8.52	8.19-8.85	161479	ok	164090	98454-229726
1,4-Difluorobenzene	10.68	ok	10.68	10.35-11.01	630952	ok	639164	383498-894830
Chlorobenzene-D5	16.18	ok	16.19	15.86-16.52	335468	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.54	8.53	0.649	ok	0.652	0.592-0.712
Acrylonitrile	5.96	8.53	0.699	ok	0.700	0.640-0.760
Acetonitrile	5.32	8.53	0.624	ok	0.625	0.565-0.685
1,3-Butadiene	4.65	8.53	0.545	ok	0.545	0.485-0.605
Benzene	10.27	8.53	1.204	ok	1.204	1.144-1.264
Bromobenzene	18.76	16.19	1.159	ok	1.159	1.099-1.219
Bromodichloromethane	11.47	10.69	1.073	ok	1.073	1.013-1.133
Bromoform	17.15	16.19	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.53	0.572	ok	0.573	0.513-0.633
Bromoethene	5.32	8.53	0.624	ok	0.624	0.564-0.684
n-Butane	4.68	8.53	0.549	ok	0.550	0.490-0.610
Benzyl Chloride	20.50	16.19	1.266	ok	1.266	1.206-1.326
n-Butylbenzene	21.47	16.19	1.326	ok	1.326	1.266-1.386
sec-Butylbenzene	20.68	16.19	1.277	ok	1.278	1.218-1.338
tert-Butylbenzene	20.31	16.19	1.254	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.53	0.781	ok	0.781	0.721-0.841
Chlorobenzene	16.26	16.19	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.12	8.53	0.483	ok	0.484	0.424-0.544
Chloroethane	5.02	8.53	0.589	ok	0.589	0.529-0.649
Chloroform	8.67	8.53	1.016	ok	1.016	0.956-1.076
Chloromethane	4.35	8.53	0.510	ok	0.510	0.450-0.570
3-Chloropropene	6.49	8.53	0.761	ok	0.761	0.701-0.821
2-Chlorotoluene	19.34	16.19	1.195	ok	1.195	1.135-1.255
Carbon tetrachloride	10.44	8.53	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.57	8.53	1.239	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.53	0.877	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.27	8.53	0.735	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.68	10.69	1.373	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.47	8.53	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.22	10.69	1.050	ok	1.050	0.990-1.110
1,4-Dioxane	11.53	10.69	1.079	ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.21	8.53	0.494	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.53	0.598	ok	0.598	0.538-0.658
Dibromochloromethane	14.37	10.69	1.344	ok	1.345	1.285-1.405
Dibromomethane	11.20	10.69	1.048	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.28	8.53	0.853	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.53	0.979	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.57	10.69	1.176	ok	1.177	1.117-1.237

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	20.51	16.19	1.267	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.07	16.19	1.301	ok	1.301	1.241-1.361
p-Dichlorobenzene	20.61	16.19	1.273	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.25	10.69	1.239	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.55	8.53	1.002	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.85	8.53	1.272	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.51	8.53	1.115	ok	1.116	1.056-1.176
Ethanol	5.13	8.53	0.601	ok	0.602	0.542-0.662
Ethylbenzene	16.80	16.19	1.038	ok	1.037	0.977-1.097
Ethyl Acetate	8.59	8.53	1.007	ok	1.009	0.949-1.069
4-Ethyltoluene	19.63	16.19	1.212	ok	1.212	1.152-1.272
Freon 113	6.62	8.53	0.776	ok	0.777	0.717-0.837
Freon 114	4.43	8.53	0.519	ok	0.520	0.460-0.580
Freon 123	5.45	8.53	0.639	ok	0.639	0.579-0.699
Freon 123A	5.50	8.53	0.645	ok	0.645	0.585-0.705
Freon 141B	5.79	8.53	0.679	ok	0.679	0.619-0.739
Freon 142B	4.33	8.53	0.508	ok	0.508	0.448-0.568
Freon 143a	3.98	8.53	0.467	ok	0.467	0.407-0.527
Freon 152A	4.08	8.53	0.478	ok	0.479	0.419-0.539
Heptane	11.86	10.69	1.109	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.19	1.471	ok	1.471	1.411-1.531
Hexachloroethane	21.93	16.19	1.355	ok	1.355	1.295-1.415
Hexane	8.55	8.53	1.002	ok	1.002	0.942-1.062
2-Hexanone	14.18	10.69	1.326	ok	1.327	1.267-1.387
Iodomethane	6.20	8.53	0.727	ok	0.727	0.667-0.787
Isopropylbenzene	18.64	16.19	1.151	ok	1.151	1.091-1.211
Isopropyl Alcohol	5.77	8.53	0.676	ok	0.677	0.617-0.737
p-Isopropyltoluene	20.91	16.19	1.292	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.53	0.748	ok	0.749	0.689-0.809
Methyl ethyl ketone	7.89	8.53	0.925	ok	0.927	0.867-0.987
Methyl Isobutyl Ketone	12.62	10.69	1.181	ok	1.182	1.122-1.242
Methyl Tert Butyl Ether	7.53	8.53	0.883	ok	0.886	0.826-0.946
Methylmethacrylate	11.78	10.69	1.102	ok	1.102	1.042-1.162
Naphthalene	23.37	16.19	1.443	ok	1.444	1.384-1.504
Nonane	18.10	16.19	1.118	ok	1.118	1.058-1.178
Octane	15.14	10.69	1.416	ok	1.417	1.357-1.477
Pentane	5.99	8.53	0.702	ok	0.703	0.643-0.763
n-Propylbenzene	19.41	16.19	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	Reporting this level
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.14	8.53	0.485	ok	0.486	0.426-0.546
Styrene	17.58	16.19	1.086	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.74	8.53	1.142	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.23	10.69	1.518	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.74	16.19	1.096	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.46	10.69	1.259	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.24	16.19	1.435	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	17.93	16.19	1.107	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.32	16.19	1.255	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.74	16.19	1.219	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.53	10.69	1.079	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.31	8.53	0.740	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.69	1.432	ok	1.433	1.373-1.493
Tetrahydrofuran	9.11	8.53	1.068	ok	1.071	1.011-1.131
Toluene	13.81	10.69	1.292	ok	1.292	1.232-1.352
Trichloroethylene	11.51	10.69	1.077	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.53	0.667	ok	0.668	0.608-0.728
Vinyl chloride	4.53	8.53	0.531	ok	0.532	0.472-0.592
Vinyl Acetate	7.64	8.53	0.896	ok	0.896	0.836-0.956
m,p-Xylene	17.06	16.19	1.054	ok	1.054	0.994-1.114
o-Xylene	17.74	16.19	1.096	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.19	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.53	ok	8.52	8.19-8.85	163181	ok	164090	98454-229726
1,4-Difluorobenzene	10.69	ok	10.68	10.35-11.01	627271	ok	639164	383498-894830
Chlorobenzene-D5	16.19	ok	16.19	15.86-16.52	386579	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

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V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.54	8.53	0.649	ok	0.652	0.592-0.712
Acrylonitrile	5.97	8.53	0.700	ok	0.700	0.640-0.760
Acetonitrile	5.33	8.53	0.625	ok	0.625	0.565-0.685
1,3-Butadiene	4.65	8.53	0.545	ok	0.545	0.485-0.605
Benzene	10.27	8.53	1.204	ok	1.204	1.144-1.264
Bromobenzene	18.76	16.20	1.158	ok	1.159	1.099-1.219
Bromodichloromethane	11.47	10.69	1.073	ok	1.073	1.013-1.133
Bromoform	17.15	16.20	1.059	ok	1.059	0.999-1.119
Bromomethane	4.88	8.53	0.572	ok	0.573	0.513-0.633
Bromoethene	5.32	8.53	0.624	ok	0.624	0.564-0.684
n-Butane	4.69	8.53	0.550	ok	0.550	0.490-0.610
Benzyl Chloride	20.50	16.20	1.265	ok	1.266	1.206-1.326
n-Butylbenzene	21.47	16.20	1.325	ok	1.326	1.266-1.386
sec-Butylbenzene	20.69	16.20	1.277	ok	1.278	1.218-1.338
tert-Butylbenzene	20.31	16.20	1.254	ok	1.254	1.194-1.314
Carbon disulfide	6.66	8.53	0.781	ok	0.781	0.721-0.841
Chlorobenzene	16.26	16.20	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	4.13	8.53	0.484	ok	0.484	0.424-0.544
Chloroethane	5.02	8.53	0.589	ok	0.589	0.529-0.649
Chloroform	8.67	8.53	1.016	ok	1.016	0.956-1.076
Chloromethane	4.35	8.53	0.510	ok	0.510	0.450-0.570
3-Chloropropene	6.49	8.53	0.761	ok	0.761	0.701-0.821
2-Chlorotoluene	19.35	16.20	1.194	ok	1.195	1.135-1.255
Carbon tetrachloride	10.44	8.53	1.224	ok	1.224	1.164-1.284
Cyclohexane	10.57	8.53	1.239	ok	1.240	1.180-1.300
1,1-Dichloroethane	7.48	8.53	0.877	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.27	8.53	0.735	ok	0.735	0.675-0.795
1,2-Dibromoethane	14.69	10.69	1.374	ok	1.374	1.314-1.434
1,2-Dichloroethane	9.47	8.53	1.110	ok	1.110	1.050-1.170
1,2-Dichloropropane	11.23	10.69	1.051	ok	1.050	0.990-1.110
1,4-Dioxane	11.53	10.69	1.079	ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.21	8.53	0.494	ok	0.494	0.434-0.554
Dichlorofluoromethane	5.10	8.53	0.598	ok	0.598	0.538-0.658
Dibromochloromethane	14.37	10.69	1.344	ok	1.345	1.285-1.405
Dibromomethane	11.21	10.69	1.049	ok	1.048	0.988-1.108
trans-1,2-Dichloroethylene	7.28	8.53	0.853	ok	0.854	0.794-0.914
cis-1,2-Dichloroethylene	8.35	8.53	0.979	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	12.58	10.69	1.177	ok	1.177	1.117-1.237

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	20.51	16.20	1.266	ok	1.267	1.207-1.327
o-Dichlorobenzene	21.07	16.20	1.301	ok	1.301	1.241-1.361
p-Dichlorobenzene	20.61	16.20	1.272	ok	1.273	1.213-1.333
trans-1,3-Dichloropropene	13.25	10.69	1.239	ok	1.240	1.180-1.300
Di-Isopropyl ether	8.55	8.53	1.002	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.85	8.53	1.272	ok	1.272	1.212-1.332
2,4-Dimethylpentane	9.52	8.53	1.116	ok	1.116	1.056-1.176
Ethanol	5.14	8.53	0.603	ok	0.602	0.542-0.662
Ethylbenzene	16.80	16.20	1.037	ok	1.037	0.977-1.097
Ethyl Acetate	8.60	8.53	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	19.63	16.20	1.212	ok	1.212	1.152-1.272
Freon 113	6.62	8.53	0.776	ok	0.777	0.717-0.837
Freon 114	4.43	8.53	0.519	ok	0.520	0.460-0.580
Freon 123	5.45	8.53	0.639	ok	0.639	0.579-0.699
Freon 123A	5.50	8.53	0.645	ok	0.645	0.585-0.705
Freon 141B	5.79	8.53	0.679	ok	0.679	0.619-0.739
Freon 142B	4.33	8.53	0.508	ok	0.508	0.448-0.568
Freon 143a	3.98	8.53	0.467	ok	0.467	0.407-0.527
Freon 152A	4.08	8.53	0.478	ok	0.479	0.419-0.539
Heptane	11.86	10.69	1.109	ok	1.110	1.050-1.170
Hexachlorobutadiene	23.81	16.20	1.470	ok	1.471	1.411-1.531
Hexachloroethane	21.93	16.20	1.354	ok	1.355	1.295-1.415
Hexane	8.55	8.53	1.002	ok	1.002	0.942-1.062
2-Hexanone	14.18	10.69	1.326	ok	1.327	1.267-1.387
Iodomethane	6.20	8.53	0.727	ok	0.727	0.667-0.787
Isopropylbenzene	18.64	16.20	1.151	ok	1.151	1.091-1.211
Isopropyl Alcohol	5.77	8.53	0.676	ok	0.677	0.617-0.737
p-Isopropyltoluene	20.91	16.20	1.291	ok	1.292	1.232-1.352
Methylene chloride	6.38	8.53	0.748	ok	0.749	0.689-0.809
Methyl ethyl ketone	7.89	8.53	0.925	ok	0.927	0.867-0.987
Methyl Isobutyl Ketone	12.63	10.69	1.181	ok	1.182	1.122-1.242
Methyl Tert Butyl Ether	7.53	8.53	0.883	ok	0.886	0.826-0.946
Methylmethacrylate	11.78	10.69	1.102	ok	1.102	1.042-1.162
Naphthalene	23.37	16.20	1.443	ok	1.444	1.384-1.504
Nonane	18.10	16.20	1.117	ok	1.118	1.058-1.178
Octane	15.14	10.69	1.416	ok	1.417	1.357-1.477
Pentane	5.99	8.53	0.702	ok	0.703	0.643-0.763
n-Propylbenzene	19.41	16.20	1.198	ok	1.199	1.139-1.259

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Job Number: JC7272
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Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W534-ICC534	5W13509.D	08/25/15 20:16	YMH	10	GCMS5W	TO-15	
V5W534-IC534	5W13510.D	08/25/15 20:57	YMH	5	GCMS5W	TO-15	
V5W534-IC534	5W13511.D	08/25/15 21:40	YMH	0.5	GCMS5W	TO-15	
V5W534-IC534	5W13512.D	08/25/15 22:21	YMH	0.2	GCMS5W	TO-15	
V5W534-IC534	5W13513.D	08/25/15 23:04	YMH	20	GCMS5W	TO-15	
V5W534-IC534	5W13514.D	08/25/15 23:46	YMH	15	GCMS5W	TO-15	
V5W534-IC534	5W13516.D	08/26/15 01:13	YMH	0.1	GCMS5W	TO-15	
V5W534-IC534	5W13517.D	08/26/15 01:54	YMH	0.04	GCMS5W	TO-15	
V5W534-IC534	5W13518.D	08/26/15 02:38	YMH	30	GCMS5W	TO-15	
V5W534-IC534	5W13520.D	08/26/15 04:09	YMH	40	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.14	8.53	0.485	ok	0.486	0.426-0.546
Styrene	17.59	16.20	1.086	ok	1.086	1.026-1.146
1,1,1-Trichloroethane	9.75	8.53	1.143	ok	1.143	1.083-1.203
1,1,1,2-Tetrachloroethane	16.24	10.69	1.519	ok	1.519	1.459-1.579
1,1,2,2-Tetrachloroethane	17.74	16.20	1.095	ok	1.096	1.036-1.156
1,1,2-Trichloroethane	13.46	10.69	1.259	ok	1.259	1.199-1.319
1,2,4-Trichlorobenzene	23.24	16.20	1.435	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	17.93	16.20	1.107	ok	1.108	1.048-1.168
1,2,4-Trimethylbenzene	20.33	16.20	1.255	ok	1.255	1.195-1.315
1,3,5-Trimethylbenzene	19.75	16.20	1.219	ok	1.220	1.160-1.280
2,2,4-Trimethylpentane	11.53	10.69	1.079	ok	1.079	1.019-1.139
Tertiary Butyl Alcohol	6.32	8.53	0.741	ok	0.742	0.682-0.802
Tetrachloroethylene	15.31	10.69	1.432	ok	1.433	1.373-1.493
Tetrahydrofuran	9.11	8.53	1.068	ok	1.071	1.011-1.131
Toluene	13.82	10.69	1.293	ok	1.292	1.232-1.352
Trichloroethylene	11.52	10.69	1.078	ok	1.077	1.017-1.137
Trichlorofluoromethane	5.69	8.53	0.667	ok	0.668	0.608-0.728
Vinyl chloride	4.53	8.53	0.531	ok	0.532	0.472-0.592
Vinyl Acetate	7.64	8.53	0.896	ok	0.896	0.836-0.956
m,p-Xylene	17.07	16.20	1.054	ok	1.054	0.994-1.114
o-Xylene	17.74	16.20	1.095	ok	1.096	1.036-1.156
TVHC As Equiv Pentane	5.99	16.20	0.370	ok	0.370	0.310-0.430

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.53	ok	8.52	8.19-8.85	167104	ok	164090	98454-229726
1,4-Difluorobenzene	10.69	ok	10.68	10.35-11.01	634113	ok	639164	383498-894830
Chlorobenzene-D5	16.20	ok	16.19	15.86-16.52	393535	ok	361827	217096-506558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.62	9.28	0.713	ok	0.716	0.656-0.776
Acrolein	6.51	9.28	0.702	ok	0.702	0.642-0.762
Acrylonitrile	7.01	9.28	0.755	ok	0.756	0.696-0.816
Acetonitrile	6.40	9.28	0.690	ok	0.690	0.630-0.750
1,3-Butadiene	5.72	9.28	0.616	ok	0.617	0.557-0.677
Benzene	10.72	11.01	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.15	15.28	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.66	11.01	1.059	ok	1.059	0.999-1.119
Bromoform	16.01	15.28	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.28	0.643	ok	0.644	0.584-0.704
Bromoethene	6.42	9.28	0.692	ok	0.692	0.632-0.752
n-Butane	5.76	9.28	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	18.42	15.28	1.205	ok	1.206	1.146-1.266
n-Butylbenzene	19.20	15.28	1.257	ok	1.256	1.196-1.316
sec-Butylbenzene	18.56	15.28	1.215	ok	1.214	1.154-1.274
tert-Butylbenzene	18.25	15.28	1.194	ok	1.194	1.134-1.254
Carbon disulfide	7.72	9.28	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.33	15.28	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.13	9.28	0.553	ok	0.553	0.493-0.613
Chloroethane	6.11	9.28	0.658	ok	0.659	0.599-0.719
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	5.39	9.28	0.581	ok	0.581	0.521-0.641
3-Chloropropene	7.51	9.28	0.809	ok	0.810	0.750-0.870
2-Chlorotoluene	17.55	15.28	1.149	ok	1.148	1.088-1.208
Carbon tetrachloride	10.86	9.28	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.98	11.01	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.39	9.28	0.904	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.32	9.28	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.17	15.28	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.06	9.28	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.48	11.01	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	11.70	11.01	1.063	ok	1.063	1.003-1.123
Dichlorodifluoromethane	5.24	9.28	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.18	9.28	0.666	ok	0.666	0.606-0.726
Dibromochloromethane	13.91	15.28	0.910	ok	0.911	0.851-0.971
Dibromomethane	11.46	11.01	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.22	9.28	0.886	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.13	9.28	0.984	ok	0.984	0.924-1.044

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.50	11.01	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.45	15.28	1.207	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.90	15.28	1.237	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.52	15.28	1.212	ok	1.212	1.152-1.272
trans-1,3-Dichloropropene	13.01	11.01	1.182	ok	1.181	1.121-1.241
Di-Isopropyl ether	9.26	9.28	0.998	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.16	11.01	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.08	9.28	1.086	ok	1.086	1.026-1.146
Ethanol	6.19	9.28	0.667	ok	0.668	0.608-0.728
Ethylbenzene	15.71	15.28	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.28	9.28	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	17.73	15.28	1.160	ok	1.160	1.100-1.220
Freon 113	7.62	9.28	0.821	ok	0.822	0.762-0.882
Freon 114	5.47	9.28	0.589	ok	0.590	0.530-0.650
Freon 152A	5.09	9.28	0.548	ok	0.549	0.489-0.609
Heptane	11.92	11.01	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.31	15.28	1.395	ok	1.394	1.334-1.454
Hexachloroethane	19.65	15.28	1.286	ok	1.286	1.226-1.346
Hexane	9.28	9.28	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.70	15.28	0.897	ok	0.897	0.837-0.957
Iodomethane	7.27	9.28	0.783	ok	0.784	0.724-0.844
Isopropylbenzene	17.02	15.28	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.80	9.28	0.733	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.73	15.28	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.41	9.28	0.798	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.73	9.28	0.941	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.52	11.01	1.137	ok	1.138	1.078-1.198
Methyl Tert Butyl Ether	8.43	9.28	0.908	ok	0.910	0.850-0.970
Methylmethacrylate	11.83	11.01	1.074	ok	1.075	1.015-1.135
Naphthalene	20.93	15.28	1.370	ok	1.370	1.310-1.430
Nonane	16.58	15.28	1.085	ok	1.085	1.025-1.145
Octane	14.41	15.28	0.943	ok	0.943	0.883-1.003
Pentane	7.06	9.28	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.57	15.28	1.150	ok	1.150	1.090-1.210
Propylene	5.17	9.28	0.557	ok	0.557	0.497-0.617
Styrene	16.29	15.28	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.30	9.28	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.30	15.28	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	16.40	15.28	1.073	ok	1.073	1.013-1.133
1,1,2-Trichloroethane	13.20	11.01	1.199	ok	1.198	1.138-1.258
1,2,4-Trichlorobenzene	21.21	15.28	1.388	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.54	15.28	1.082	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.26	15.28	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.81	15.28	1.166	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.01	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.32	9.28	0.789	ok	0.791	0.731-0.851
Tetrachloroethylene	14.62	15.28	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.47	11.01	1.223	ok	1.224	1.164-1.284
Trichloroethylene	11.69	11.01	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.77	9.28	0.730	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.28	0.603	ok	0.604	0.544-0.664
Vinyl Acetate	8.49	9.28	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.90	15.28	1.041	ok	1.040	0.980-1.100
o-Xylene	16.40	15.28	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	109229	ok	99945	59967-139923
1,4-Difluorobenzene	11.01	ok	11.02	10.69-11.35	563386	ok	515866	309520-722212
Chlorobenzene-D5	15.28	ok	15.28	14.95-15.61	270383	ok	247649	148589-346709

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
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Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.63	9.28	0.714	ok	0.716	0.656-0.776
Acrolein	6.52	9.28	0.703	ok	0.702	0.642-0.762
Acrylonitrile	7.01	9.28	0.755	ok	0.756	0.696-0.816
Acetonitrile	6.40	9.28	0.690	ok	0.690	0.630-0.750
1,3-Butadiene	5.72	9.28	0.616	ok	0.617	0.557-0.677
Benzene	10.72	11.01	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.15	15.28	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.66	11.01	1.059	ok	1.059	0.999-1.119
Bromoform	16.01	15.28	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.28	0.643	ok	0.644	0.584-0.704
Bromoethene	6.42	9.28	0.692	ok	0.692	0.632-0.752
n-Butane	5.77	9.28	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	18.42	15.28	1.205	ok	1.206	1.146-1.266
n-Butylbenzene	19.20	15.28	1.257	ok	1.256	1.196-1.316
sec-Butylbenzene	18.56	15.28	1.215	ok	1.214	1.154-1.274
tert-Butylbenzene	18.25	15.28	1.194	ok	1.194	1.134-1.254
Carbon disulfide	7.72	9.28	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.33	15.28	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.14	9.28	0.554	ok	0.553	0.493-0.613
Chloroethane	6.11	9.28	0.658	ok	0.659	0.599-0.719
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	5.39	9.28	0.581	ok	0.581	0.521-0.641
3-Chloropropene	7.52	9.28	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.55	15.28	1.149	ok	1.148	1.088-1.208
Carbon tetrachloride	10.86	9.28	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.98	11.01	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.40	9.28	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.32	9.28	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.17	15.28	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.06	9.28	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.48	11.01	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	11.70	11.01	1.063	ok	1.063	1.003-1.123
Dichlorodifluoromethane	5.24	9.28	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.18	9.28	0.666	ok	0.666	0.606-0.726
Dibromochloromethane	13.91	15.28	0.910	ok	0.911	0.851-0.971
Dibromomethane	11.46	11.01	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.22	9.28	0.886	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.13	9.28	0.984	ok	0.984	0.924-1.044

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.50	11.01	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.45	15.28	1.207	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.90	15.28	1.237	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.52	15.28	1.212	ok	1.212	1.152-1.272
trans-1,3-Dichloropropene	13.00	11.01	1.181	ok	1.181	1.121-1.241
Di-Isopropyl ether	9.27	9.28	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.16	11.01	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.08	9.28	1.086	ok	1.086	1.026-1.146
Ethanol	6.20	9.28	0.668	ok	0.668	0.608-0.728
Ethylbenzene	15.70	15.28	1.027	ok	1.028	0.968-1.088
Ethyl Acetate	9.28	9.28	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	17.73	15.28	1.160	ok	1.160	1.100-1.220
Freon 113	7.62	9.28	0.821	ok	0.822	0.762-0.882
Freon 114	5.47	9.28	0.589	ok	0.590	0.530-0.650
Freon 152A	5.09	9.28	0.548	ok	0.549	0.489-0.609
Heptane	11.92	11.01	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.31	15.28	1.395	ok	1.394	1.334-1.454
Hexachloroethane	19.65	15.28	1.286	ok	1.286	1.226-1.346
Hexane	9.28	9.28	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.70	15.28	0.897	ok	0.897	0.837-0.957
Iodomethane	7.28	9.28	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	17.02	15.28	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.81	9.28	0.734	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.73	15.28	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.41	9.28	0.798	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.74	9.28	0.942	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.52	11.01	1.137	ok	1.138	1.078-1.198
Methyl Tert Butyl Ether	8.44	9.28	0.909	ok	0.910	0.850-0.970
Methylmethacrylate	11.83	11.01	1.074	ok	1.075	1.015-1.135
Naphthalene	20.93	15.28	1.370	ok	1.370	1.310-1.430
Nonane	16.58	15.28	1.085	ok	1.085	1.025-1.145
Octane	14.41	15.28	0.943	ok	0.943	0.883-1.003
Pentane	7.06	9.28	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.57	15.28	1.150	ok	1.150	1.090-1.210
Propylene	5.17	9.28	0.557	ok	0.557	0.497-0.617
Styrene	16.29	15.28	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.30	9.28	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.30	15.28	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	16.40	15.28	1.073	ok	1.073	1.013-1.133
1,1,2-Trichloroethane	13.20	11.01	1.199	ok	1.198	1.138-1.258
1,2,4-Trichlorobenzene	21.22	15.28	1.389	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.54	15.28	1.082	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.26	15.28	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.81	15.28	1.166	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.01	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.32	9.28	0.789	ok	0.791	0.731-0.851
Tetrachloroethylene	14.62	15.28	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.78	9.28	1.054	ok	1.054	0.994-1.114
Toluene	13.47	11.01	1.223	ok	1.224	1.164-1.284
Trichloroethylene	11.69	11.01	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.77	9.28	0.730	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.28	0.603	ok	0.604	0.544-0.664
Vinyl Acetate	8.48	9.28	0.914	ok	0.915	0.855-0.975
m,p-Xylene	15.90	15.28	1.041	ok	1.040	0.980-1.100
o-Xylene	16.40	15.28	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	101092	ok	99945	59967-139923
1,4-Difluorobenzene	11.01	ok	11.02	10.69-11.35	522945	ok	515866	309520-722212
Chlorobenzene-D5	15.28	ok	15.28	14.95-15.61	240938	ok	247649	148589-346709

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
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Project: Procida, 105 South 5th Street, Brooklyn, NY

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VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.66	9.29	0.717	ok	0.716	0.656-0.776
Acrolein	6.53	9.29	0.703	ok	0.702	0.642-0.762
Acrylonitrile	7.03	9.29	0.757	ok	0.756	0.696-0.816
Acetonitrile	6.44	9.29	0.693	ok	0.690	0.630-0.750
1,3-Butadiene	5.74	9.29	0.618	ok	0.617	0.557-0.677
Benzene	10.73	11.02	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.15	15.29	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.66	11.02	1.058	ok	1.059	0.999-1.119
Bromoform	16.02	15.29	1.048	ok	1.048	0.988-1.108
Bromomethane	5.99	9.29	0.645	ok	0.644	0.584-0.704
Bromoethene	6.44	9.29	0.693	ok	0.692	0.632-0.752
n-Butane	5.79	9.29	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	18.43	15.29	1.205	ok	1.206	1.146-1.266
n-Butylbenzene	19.20	15.29	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	18.56	15.29	1.214	ok	1.214	1.154-1.274
tert-Butylbenzene	18.26	15.29	1.194	ok	1.194	1.134-1.254
Carbon disulfide	7.74	9.29	0.833	ok	0.832	0.772-0.892
Chlorobenzene	15.33	15.29	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.14	9.29	0.553	ok	0.553	0.493-0.613
Chloroethane	6.13	9.29	0.660	ok	0.659	0.599-0.719
Chloroform	9.39	9.29	1.011	ok	1.012	0.952-1.072
Chloromethane	5.41	9.29	0.582	ok	0.581	0.521-0.641
3-Chloropropene	7.52	9.29	0.809	ok	0.810	0.750-0.870
2-Chlorotoluene	17.55	15.29	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.87	9.29	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.99	11.02	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.41	9.29	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.33	9.29	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.17	15.29	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.07	9.29	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.48	11.02	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.74	11.02	1.065	ok	1.063	1.003-1.123
Dichlorodifluoromethane	5.25	9.29	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.19	9.29	0.666	ok	0.666	0.606-0.726
Dibromochloromethane	13.92	15.29	0.910	ok	0.911	0.851-0.971
Dibromomethane	11.47	11.02	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.22	9.29	0.885	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.13	9.29	0.983	ok	0.984	0.924-1.044

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
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Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.51	11.02	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.45	15.29	1.207	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.90	15.29	1.236	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.53	15.29	1.212	ok	1.212	1.152-1.272
trans-1,3-Dichloropropene	13.02	11.02	1.181	ok	1.181	1.121-1.241
Di-Isopropyl ether	9.28	9.29	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.16	11.02	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.08	9.29	1.085	ok	1.086	1.026-1.146
Ethanol	6.22	9.29	0.670	ok	0.668	0.608-0.728
Ethylbenzene	15.70	15.29	1.027	ok	1.028	0.968-1.088
Ethyl Acetate	9.30	9.29	1.001	ok	1.000	0.940-1.060
4-Ethyltoluene	17.73	15.29	1.160	ok	1.160	1.100-1.220
Freon 113	7.63	9.29	0.821	ok	0.822	0.762-0.882
Freon 114	5.49	9.29	0.591	ok	0.590	0.530-0.650
Freon 152A	5.11	9.29	0.550	ok	0.549	0.489-0.609
Heptane	11.93	11.02	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.31	15.29	1.394	ok	1.394	1.334-1.454
Hexachloroethane	19.65	15.29	1.285	ok	1.286	1.226-1.346
Hexane	9.30	9.29	1.001	ok	1.000	0.940-1.060
2-Hexanone	13.72	15.29	0.897	ok	0.897	0.837-0.957
Iodomethane	7.29	9.29	0.785	ok	0.784	0.724-0.844
Isopropylbenzene	17.03	15.29	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.84	9.29	0.736	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.73	15.29	1.225	ok	1.225	1.165-1.285
Methylene chloride	7.43	9.29	0.800	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.75	9.29	0.942	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.55	11.02	1.139	ok	1.138	1.078-1.198
Methyl Tert Butyl Ether	8.46	9.29	0.911	ok	0.910	0.850-0.970
Methylmethacrylate	11.85	11.02	1.075	ok	1.075	1.015-1.135
Naphthalene	20.94	15.29	1.370	ok	1.370	1.310-1.430
Nonane	16.59	15.29	1.085	ok	1.085	1.025-1.145
Octane	14.41	15.29	0.942	ok	0.943	0.883-1.003
Pentane	7.08	9.29	0.762	ok	0.761	0.701-0.821
n-Propylbenzene	17.58	15.29	1.150	ok	1.150	1.090-1.210
Propylene	5.18	9.29	0.558	ok	0.557	0.497-0.617
Styrene	16.29	15.29	1.065	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.30	9.29	1.109	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.30	15.29	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
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Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	16.40	15.29	1.073	ok	1.073	1.013-1.133
1,1,2-Trichloroethane	13.20	11.02	1.198	ok	1.198	1.138-1.258
1,2,4-Trichlorobenzene	21.23	15.29	1.388	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.54	15.29	1.082	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.26	15.29	1.194	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.81	15.29	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.02	1.062	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.36	9.29	0.792	ok	0.791	0.731-0.851
Tetrachloroethylene	14.62	15.29	0.956	ok	0.957	0.897-1.017
Tetrahydrofuran	9.81	9.29	1.056	ok	1.054	0.994-1.114
Toluene	13.47	11.02	1.222	ok	1.224	1.164-1.284
Trichloroethylene	11.69	11.02	1.061	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.78	9.29	0.730	ok	0.730	0.670-0.790
Vinyl chloride	5.61	9.29	0.604	ok	0.604	0.544-0.664
Vinyl Acetate	8.50	9.29	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.90	15.29	1.040	ok	1.040	0.980-1.100
o-Xylene	16.40	15.29	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.29	ok	9.28	8.95-9.61	97827	ok	99945	59967-139923
1,4-Difluorobenzene	11.02	ok	11.02	10.69-11.35	499412	ok	515866	309520-722212
Chlorobenzene-D5	15.29	ok	15.28	14.95-15.61	215867	ok	247649	148589-346709

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
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Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.65	9.28	0.717	ok	0.716	0.656-0.776
Acrolein	6.53	9.28	0.704	ok	0.702	0.642-0.762
Acrylonitrile	7.03	9.28	0.758	ok	0.756	0.696-0.816
Acetonitrile	6.42	9.28	0.692	ok	0.690	0.630-0.750
1,3-Butadiene	5.72	9.28	0.616	ok	0.617	0.557-0.677
Benzene	10.73	11.01	0.975	ok	0.974	0.914-1.034
Bromobenzene	17.14	15.28	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.66	11.01	1.059	ok	1.059	0.999-1.119
Bromoform	16.01	15.28	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.28	0.643	ok	0.644	0.584-0.704
Bromoethene	6.42	9.28	0.692	ok	0.692	0.632-0.752
n-Butane	5.77	9.28	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	18.43	15.28	1.206	ok	1.206	1.146-1.266
n-Butylbenzene	19.20	15.28	1.257	ok	1.256	1.196-1.316
sec-Butylbenzene	18.56	15.28	1.215	ok	1.214	1.154-1.274
tert-Butylbenzene	18.26	15.28	1.195	ok	1.194	1.134-1.254
Carbon disulfide	7.72	9.28	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.33	15.28	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.13	9.28	0.553	ok	0.553	0.493-0.613
Chloroethane	6.12	9.28	0.659	ok	0.659	0.599-0.719
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	5.40	9.28	0.582	ok	0.581	0.521-0.641
3-Chloropropene	7.52	9.28	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.56	15.28	1.149	ok	1.148	1.088-1.208
Carbon tetrachloride	10.86	9.28	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.98	11.01	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.41	9.28	0.906	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.33	9.28	0.790	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.17	15.28	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.07	9.28	1.085	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.48	11.01	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.01	1.067	ok	1.063	1.003-1.123
Dichlorodifluoromethane	5.24	9.28	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.19	9.28	0.667	ok	0.666	0.606-0.726
Dibromochloromethane	13.92	15.28	0.911	ok	0.911	0.851-0.971
Dibromomethane	11.47	11.01	1.042	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.23	9.28	0.887	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.13	9.28	0.984	ok	0.984	0.924-1.044

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.50	11.01	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.45	15.28	1.207	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.90	15.28	1.237	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.53	15.28	1.213	ok	1.212	1.152-1.272
trans-1,3-Dichloropropene	13.01	11.01	1.182	ok	1.181	1.121-1.241
Di-Isopropyl ether	9.28	9.28	1.000	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.16	11.01	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.08	9.28	1.086	ok	1.086	1.026-1.146
Ethanol	6.21	9.28	0.669	ok	0.668	0.608-0.728
Ethylbenzene	15.70	15.28	1.027	ok	1.028	0.968-1.088
Ethyl Acetate	9.30	9.28	1.002	ok	1.000	0.940-1.060
4-Ethyltoluene	17.73	15.28	1.160	ok	1.160	1.100-1.220
Freon 113	7.63	9.28	0.822	ok	0.822	0.762-0.882
Freon 114	5.48	9.28	0.591	ok	0.590	0.530-0.650
Freon 152A	5.10	9.28	0.550	ok	0.549	0.489-0.609
Heptane	11.92	11.01	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.31	15.28	1.395	ok	1.394	1.334-1.454
Hexachloroethane	19.65	15.28	1.286	ok	1.286	1.226-1.346
Hexane	9.28	9.28	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.73	15.28	0.899	ok	0.897	0.837-0.957
Iodomethane	7.28	9.28	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	17.03	15.28	1.115	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.83	9.28	0.736	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.73	15.28	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.41	9.28	0.798	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.77	9.28	0.945	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.55	11.01	1.140	ok	1.138	1.078-1.198
Methyl Tert Butyl Ether	8.46	9.28	0.912	ok	0.910	0.850-0.970
Methylmethacrylate	11.85	11.01	1.076	ok	1.075	1.015-1.135
Naphthalene	20.94	15.28	1.370	ok	1.370	1.310-1.430
Nonane	16.59	15.28	1.086	ok	1.085	1.025-1.145
Octane	14.41	15.28	0.943	ok	0.943	0.883-1.003
Pentane	7.06	9.28	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.58	15.28	1.151	ok	1.150	1.090-1.210
Propylene	5.18	9.28	0.558	ok	0.557	0.497-0.617
Styrene	16.29	15.28	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.30	9.28	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.31	15.28	1.002	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	16.40	15.28	1.073	ok	1.073	1.013-1.133
1,1,2-Trichloroethane	13.19	11.01	1.198	ok	1.198	1.138-1.258
1,2,4-Trichlorobenzene	21.22	15.28	1.389	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.54	15.28	1.082	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.26	15.28	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.81	15.28	1.166	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.01	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.36	9.28	0.793	ok	0.791	0.731-0.851
Tetrachloroethylene	14.62	15.28	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.80	9.28	1.056	ok	1.054	0.994-1.114
Toluene	13.48	11.01	1.224	ok	1.224	1.164-1.284
Trichloroethylene	11.70	11.01	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.78	9.28	0.731	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.28	0.603	ok	0.604	0.544-0.664
Vinyl Acetate	8.49	9.28	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.90	15.28	1.041	ok	1.040	0.980-1.100
o-Xylene	16.40	15.28	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	92523	ok	99945	59967-139923
1,4-Difluorobenzene	11.01	ok	11.02	10.69-11.35	469569	ok	515866	309520-722212
Chlorobenzene-D5	15.28	ok	15.28	14.95-15.61	202749	ok	247649	148589-346709

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.63	9.28	0.714	ok	0.716	0.656-0.776
Acrolein	6.51	9.28	0.702	ok	0.702	0.642-0.762
Acrylonitrile	7.01	9.28	0.755	ok	0.756	0.696-0.816
Acetonitrile	6.40	9.28	0.690	ok	0.690	0.630-0.750
1,3-Butadiene	5.72	9.28	0.616	ok	0.617	0.557-0.677
Benzene	10.73	11.02	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.15	15.29	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.66	11.02	1.058	ok	1.059	0.999-1.119
Bromoform	16.02	15.29	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.28	0.643	ok	0.644	0.584-0.704
Bromoethene	6.42	9.28	0.692	ok	0.692	0.632-0.752
n-Butane	5.77	9.28	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	18.43	15.29	1.205	ok	1.206	1.146-1.266
n-Butylbenzene	19.20	15.29	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	18.56	15.29	1.214	ok	1.214	1.154-1.274
tert-Butylbenzene	18.26	15.29	1.194	ok	1.194	1.134-1.254
Carbon disulfide	7.72	9.28	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.33	15.29	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.14	9.28	0.554	ok	0.553	0.493-0.613
Chloroethane	6.12	9.28	0.659	ok	0.659	0.599-0.719
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	5.40	9.28	0.582	ok	0.581	0.521-0.641
3-Chloropropene	7.52	9.28	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.55	15.29	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.86	9.28	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.98	11.02	0.996	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.40	9.28	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.32	9.28	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.17	15.29	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.06	9.28	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.48	11.02	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.70	11.02	1.062	ok	1.063	1.003-1.123
Dichlorodifluoromethane	5.24	9.28	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.18	9.28	0.666	ok	0.666	0.606-0.726
Dibromochloromethane	13.92	15.29	0.910	ok	0.911	0.851-0.971
Dibromomethane	11.47	11.02	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.22	9.28	0.886	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.13	9.28	0.984	ok	0.984	0.924-1.044

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.51	11.02	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.45	15.29	1.207	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.90	15.29	1.236	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.52	15.29	1.211	ok	1.212	1.152-1.272
trans-1,3-Dichloropropene	13.01	11.02	1.181	ok	1.181	1.121-1.241
Di-Isopropyl ether	9.27	9.28	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.16	11.02	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.08	9.28	1.086	ok	1.086	1.026-1.146
Ethanol	6.20	9.28	0.668	ok	0.668	0.608-0.728
Ethylbenzene	15.71	15.29	1.027	ok	1.028	0.968-1.088
Ethyl Acetate	9.28	9.28	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	17.73	15.29	1.160	ok	1.160	1.100-1.220
Freon 113	7.63	9.28	0.822	ok	0.822	0.762-0.882
Freon 114	5.48	9.28	0.591	ok	0.590	0.530-0.650
Freon 152A	5.10	9.28	0.550	ok	0.549	0.489-0.609
Heptane	11.93	11.02	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.30	15.29	1.393	ok	1.394	1.334-1.454
Hexachloroethane	19.65	15.29	1.285	ok	1.286	1.226-1.346
Hexane	9.28	9.28	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.70	15.29	0.896	ok	0.897	0.837-0.957
Iodomethane	7.28	9.28	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	17.03	15.29	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.81	9.28	0.734	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.73	15.29	1.225	ok	1.225	1.165-1.285
Methylene chloride	7.41	9.28	0.798	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.73	9.28	0.941	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.52	11.02	1.136	ok	1.138	1.078-1.198
Methyl Tert Butyl Ether	8.44	9.28	0.909	ok	0.910	0.850-0.970
Methylmethacrylate	11.84	11.02	1.074	ok	1.075	1.015-1.135
Naphthalene	20.93	15.29	1.369	ok	1.370	1.310-1.430
Nonane	16.59	15.29	1.085	ok	1.085	1.025-1.145
Octane	14.41	15.29	0.942	ok	0.943	0.883-1.003
Pentane	7.07	9.28	0.762	ok	0.761	0.701-0.821
n-Propylbenzene	17.58	15.29	1.150	ok	1.150	1.090-1.210
Propylene	5.17	9.28	0.557	ok	0.557	0.497-0.617
Styrene	16.29	15.29	1.065	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.30	9.28	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.31	15.29	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	16.40	15.29	1.073	ok	1.073	1.013-1.133
1,1,2-Trichloroethane	13.20	11.02	1.198	ok	1.198	1.138-1.258
1,2,4-Trichlorobenzene	21.21	15.29	1.387	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.54	15.29	1.082	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.26	15.29	1.194	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.81	15.29	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.02	1.062	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.33	9.28	0.790	ok	0.791	0.731-0.851
Tetrachloroethylene	14.62	15.29	0.956	ok	0.957	0.897-1.017
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.48	11.02	1.223	ok	1.224	1.164-1.284
Trichloroethylene	11.70	11.02	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.77	9.28	0.730	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.28	0.603	ok	0.604	0.544-0.664
Vinyl Acetate	8.49	9.28	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.90	15.29	1.040	ok	1.040	0.980-1.100
o-Xylene	16.41	15.29	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	97542	ok	99945	59967-139923
1,4-Difluorobenzene	11.02	ok	11.02	10.69-11.35	499533	ok	515866	309520-722212
Chlorobenzene-D5	15.29	ok	15.28	14.95-15.61	259509	ok	247649	148589-346709

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.63	9.28	0.714	ok	0.716	0.656-0.776
Acrolein	6.51	9.28	0.702	ok	0.702	0.642-0.762
Acrylonitrile	7.01	9.28	0.755	ok	0.756	0.696-0.816
Acetonitrile	6.40	9.28	0.690	ok	0.690	0.630-0.750
1,3-Butadiene	5.72	9.28	0.616	ok	0.617	0.557-0.677
Benzene	10.72	11.01	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.15	15.28	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.66	11.01	1.059	ok	1.059	0.999-1.119
Bromoform	16.02	15.28	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.28	0.643	ok	0.644	0.584-0.704
Bromoethene	6.42	9.28	0.692	ok	0.692	0.632-0.752
n-Butane	5.77	9.28	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	18.42	15.28	1.205	ok	1.206	1.146-1.266
n-Butylbenzene	19.20	15.28	1.257	ok	1.256	1.196-1.316
sec-Butylbenzene	18.56	15.28	1.215	ok	1.214	1.154-1.274
tert-Butylbenzene	18.25	15.28	1.194	ok	1.194	1.134-1.254
Carbon disulfide	7.72	9.28	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.33	15.28	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.13	9.28	0.553	ok	0.553	0.493-0.613
Chloroethane	6.12	9.28	0.659	ok	0.659	0.599-0.719
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	5.39	9.28	0.581	ok	0.581	0.521-0.641
3-Chloropropene	7.52	9.28	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.55	15.28	1.149	ok	1.148	1.088-1.208
Carbon tetrachloride	10.86	9.28	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.98	11.01	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.40	9.28	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.32	9.28	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.17	15.28	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.06	9.28	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.48	11.01	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	11.70	11.01	1.063	ok	1.063	1.003-1.123
Dichlorodifluoromethane	5.24	9.28	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.18	9.28	0.666	ok	0.666	0.606-0.726
Dibromochloromethane	13.92	15.28	0.911	ok	0.911	0.851-0.971
Dibromomethane	11.47	11.01	1.042	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.22	9.28	0.886	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.13	9.28	0.984	ok	0.984	0.924-1.044

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.51	11.01	1.136	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.45	15.28	1.207	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.90	15.28	1.237	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.52	15.28	1.212	ok	1.212	1.152-1.272
trans-1,3-Dichloropropene	13.01	11.01	1.182	ok	1.181	1.121-1.241
Di-Isopropyl ether	9.27	9.28	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.16	11.01	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.08	9.28	1.086	ok	1.086	1.026-1.146
Ethanol	6.20	9.28	0.668	ok	0.668	0.608-0.728
Ethylbenzene	15.71	15.28	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.28	9.28	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	17.73	15.28	1.160	ok	1.160	1.100-1.220
Freon 113	7.62	9.28	0.821	ok	0.822	0.762-0.882
Freon 114	5.48	9.28	0.591	ok	0.590	0.530-0.650
Freon 152A	5.09	9.28	0.548	ok	0.549	0.489-0.609
Heptane	11.93	11.01	1.084	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.31	15.28	1.395	ok	1.394	1.334-1.454
Hexachloroethane	19.65	15.28	1.286	ok	1.286	1.226-1.346
Hexane	9.28	9.28	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.70	15.28	0.897	ok	0.897	0.837-0.957
Iodomethane	7.28	9.28	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	17.02	15.28	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.81	9.28	0.734	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.73	15.28	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.41	9.28	0.798	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.73	9.28	0.941	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.52	11.01	1.137	ok	1.138	1.078-1.198
Methyl Tert Butyl Ether	8.43	9.28	0.908	ok	0.910	0.850-0.970
Methylmethacrylate	11.84	11.01	1.075	ok	1.075	1.015-1.135
Naphthalene	20.93	15.28	1.370	ok	1.370	1.310-1.430
Nonane	16.59	15.28	1.086	ok	1.085	1.025-1.145
Octane	14.41	15.28	0.943	ok	0.943	0.883-1.003
Pentane	7.06	9.28	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.57	15.28	1.150	ok	1.150	1.090-1.210
Propylene	5.17	9.28	0.557	ok	0.557	0.497-0.617
Styrene	16.29	15.28	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.30	9.28	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.31	15.28	1.002	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	16.40	15.28	1.073	ok	1.073	1.013-1.133
1,1,2-Trichloroethane	13.20	11.01	1.199	ok	1.198	1.138-1.258
1,2,4-Trichlorobenzene	21.21	15.28	1.388	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.54	15.28	1.082	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.26	15.28	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.81	15.28	1.166	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.01	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.32	9.28	0.789	ok	0.791	0.731-0.851
Tetrachloroethylene	14.62	15.28	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.48	11.01	1.224	ok	1.224	1.164-1.284
Trichloroethylene	11.69	11.01	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.78	9.28	0.731	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.28	0.603	ok	0.604	0.544-0.664
Vinyl Acetate	8.49	9.28	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.90	15.28	1.041	ok	1.040	0.980-1.100
o-Xylene	16.40	15.28	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	101857	ok	99945	59967-139923
1,4-Difluorobenzene	11.01	ok	11.02	10.69-11.35	539504	ok	515866	309520-722212
Chlorobenzene-D5	15.28	ok	15.28	14.95-15.61	265235	ok	247649	148589-346709

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.66	9.28	0.718	ok	0.716	0.656-0.776
Acrolein	6.52	9.28	0.703	ok	0.702	0.642-0.762
Acrylonitrile	7.04	9.28	0.759	ok	0.756	0.696-0.816
1,3-Butadiene	5.74	9.28	0.619	ok	0.617	0.557-0.677
Benzene	10.73	11.01	0.975	ok	0.974	0.914-1.034
Bromobenzene	17.15	15.28	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.66	11.01	1.059	ok	1.059	0.999-1.119
Bromoform	16.01	15.28	1.048	ok	1.048	0.988-1.108
Bromomethane	5.98	9.28	0.644	ok	0.644	0.584-0.704
Bromoethene	6.43	9.28	0.693	ok	0.692	0.632-0.752
Benzyl Chloride	18.43	15.28	1.206	ok	1.206	1.146-1.266
n-Butylbenzene	19.20	15.28	1.257	ok	1.256	1.196-1.316
sec-Butylbenzene	18.56	15.28	1.215	ok	1.214	1.154-1.274
tert-Butylbenzene	18.26	15.28	1.195	ok	1.194	1.134-1.254
Chlorobenzene	15.34	15.28	1.004	ok	1.003	0.943-1.063
Chloroethane	6.13	9.28	0.661	ok	0.659	0.599-0.719
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	5.40	9.28	0.582	ok	0.581	0.521-0.641
3-Chloropropene	7.52	9.28	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.56	15.28	1.149	ok	1.148	1.088-1.208
Carbon tetrachloride	10.87	9.28	1.171	ok	1.170	1.110-1.230
Cyclohexane	10.99	11.01	0.998	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.40	9.28	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.33	9.28	0.790	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.17	15.28	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.06	9.28	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.49	11.01	1.044	ok	1.042	0.982-1.102
Dichlorodifluoromethane	5.24	9.28	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.19	9.28	0.667	ok	0.666	0.606-0.726
Dibromochloromethane	13.91	15.28	0.910	ok	0.911	0.851-0.971
Dibromomethane	11.47	11.01	1.042	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.22	9.28	0.886	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.14	9.28	0.985	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.50	11.01	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.45	15.28	1.207	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.91	15.28	1.238	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.52	15.28	1.212	ok	1.212	1.152-1.272
trans-1,3-Dichloropropene	13.01	11.01	1.182	ok	1.181	1.121-1.241

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	9.28	9.28	1.000	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.16	11.01	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.08	9.28	1.086	ok	1.086	1.026-1.146
Ethylbenzene	15.71	15.28	1.028	ok	1.028	0.968-1.088
4-Ethyltoluene	17.73	15.28	1.160	ok	1.160	1.100-1.220
Freon 113	7.63	9.28	0.822	ok	0.822	0.762-0.882
Freon 114	5.47	9.28	0.589	ok	0.590	0.530-0.650
Freon 152A	5.10	9.28	0.550	ok	0.549	0.489-0.609
Heptane	11.93	11.01	1.084	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.31	15.28	1.395	ok	1.394	1.334-1.454
Hexachloroethane	19.65	15.28	1.286	ok	1.286	1.226-1.346
Hexane	9.29	9.28	1.001	ok	1.000	0.940-1.060
Iodomethane	7.28	9.28	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	17.02	15.28	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.85	9.28	0.738	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.73	15.28	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.41	9.28	0.798	ok	0.799	0.739-0.859
Methyl Isobutyl Ketone	12.55	11.01	1.140	ok	1.138	1.078-1.198
Methyl Tert Butyl Ether	8.47	9.28	0.913	ok	0.910	0.850-0.970
Methylmethacrylate	11.84	11.01	1.075	ok	1.075	1.015-1.135
Naphthalene	20.94	15.28	1.370	ok	1.370	1.310-1.430
Nonane	16.58	15.28	1.085	ok	1.085	1.025-1.145
Octane	14.42	15.28	0.944	ok	0.943	0.883-1.003
Pentane	7.07	9.28	0.762	ok	0.761	0.701-0.821
n-Propylbenzene	17.58	15.28	1.151	ok	1.150	1.090-1.210
Propylene	5.17	9.28	0.557	ok	0.557	0.497-0.617
Styrene	16.29	15.28	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.30	9.28	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.31	15.28	1.002	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.40	15.28	1.073	ok	1.073	1.013-1.133
1,1,2-Trichloroethane	13.20	11.01	1.199	ok	1.198	1.138-1.258
1,2,4-Trichlorobenzene	21.23	15.28	1.389	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.54	15.28	1.082	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.26	15.28	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.81	15.28	1.166	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.01	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.36	9.28	0.793	ok	0.791	0.731-0.851
Tetrachloroethylene	14.62	15.28	0.957	ok	0.957	0.897-1.017

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Toluene	13.48	11.01	1.224	ok	1.224	1.164-1.284
Trichloroethylene	11.69	11.01	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.78	9.28	0.731	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.28	0.603	ok	0.604	0.544-0.664
m,p-Xylene	15.89	15.28	1.040	ok	1.040	0.980-1.100
o-Xylene	16.41	15.28	1.074	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	96518	ok	99945	59967-139923
1,4-Difluorobenzene	11.01	ok	11.02	10.69-11.35	501287	ok	515866	309520-722212
Chlorobenzene-D5	15.28	ok	15.28	14.95-15.61	217073	ok	247649	148589-346709

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.69	9.30	0.719	ok	0.716	0.656-0.776
1,3-Butadiene	5.74	9.30	0.617	ok	0.617	0.557-0.677
Benzene	10.73	11.02	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.15	15.28	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.67	11.02	1.059	ok	1.059	0.999-1.119
Bromoform	16.02	15.28	1.048	ok	1.048	0.988-1.108
Bromomethane	6.00	9.30	0.645	ok	0.644	0.584-0.704
Bromoethene	6.45	9.30	0.694	ok	0.692	0.632-0.752
Chlorobenzene	15.34	15.28	1.004	ok	1.003	0.943-1.063
Chloroform	9.39	9.30	1.010	ok	1.012	0.952-1.072
Carbon tetrachloride	10.87	9.30	1.169	ok	1.170	1.110-1.230
1,1-Dichloroethane	8.41	9.30	0.904	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.34	9.30	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.19	15.28	0.929	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.06	9.30	1.082	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.49	11.02	1.043	ok	1.042	0.982-1.102
Dichlorodifluoromethane	5.25	9.30	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.20	9.30	0.667	ok	0.666	0.606-0.726
Dibromochloromethane	13.92	15.28	0.911	ok	0.911	0.851-0.971
Dibromomethane	11.47	11.02	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.23	9.30	0.885	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.14	9.30	0.983	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.52	11.02	1.136	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.28	1.208	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.91	15.28	1.238	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.52	15.28	1.212	ok	1.212	1.152-1.272
2,3-Dimethylpentane	11.17	11.02	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.09	9.30	1.085	ok	1.086	1.026-1.146
Ethylbenzene	15.70	15.28	1.027	ok	1.028	0.968-1.088
4-Ethyltoluene	17.73	15.28	1.160	ok	1.160	1.100-1.220
Freon 113	7.64	9.30	0.822	ok	0.822	0.762-0.882
Freon 114	5.50	9.30	0.591	ok	0.590	0.530-0.650
Heptane	11.93	11.02	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.31	15.28	1.395	ok	1.394	1.334-1.454
Hexachloroethane	19.66	15.28	1.287	ok	1.286	1.226-1.346
Hexane	9.30	9.30	1.000	ok	1.000	0.940-1.060
Iodomethane	7.30	9.30	0.785	ok	0.784	0.724-0.844
Isopropylbenzene	17.03	15.28	1.115	ok	1.114	1.054-1.174

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Isopropyl Alcohol	6.89	9.30	0.741	ok	0.735	0.675-0.795
Methylene chloride	7.43	9.30	0.799	ok	0.799	0.739-0.859
Methyl Tert Butyl Ether	8.49	9.30	0.913	ok	0.910	0.850-0.970
Naphthalene	20.96	15.28	1.372	ok	1.370	1.310-1.430
Nonane	16.58	15.28	1.085	ok	1.085	1.025-1.145
Octane	14.41	15.28	0.943	ok	0.943	0.883-1.003
Propylene	5.19	9.30	0.558	ok	0.557	0.497-0.617
Styrene	16.29	15.28	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.31	9.30	1.109	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.30	15.28	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.41	15.28	1.074	ok	1.073	1.013-1.133
1,2,4-Trichlorobenzene	21.23	15.28	1.389	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.55	15.28	1.083	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.27	15.28	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.82	15.28	1.166	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.02	1.062	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.42	9.30	0.798	ok	0.791	0.731-0.851
Tetrachloroethylene	14.63	15.28	0.957	ok	0.957	0.897-1.017
Toluene	13.48	11.02	1.223	ok	1.224	1.164-1.284
Trichloroethylene	11.71	11.02	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.80	9.30	0.731	ok	0.730	0.670-0.790
Vinyl chloride	5.62	9.30	0.604	ok	0.604	0.544-0.664
m,p-Xylene	15.90	15.28	1.041	ok	1.040	0.980-1.100
o-Xylene	16.42	15.28	1.075	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.28	8.95-9.61	97020	ok	99945	59967-139923
1,4-Difluorobenzene	11.02	ok	11.02	10.69-11.35	490777	ok	515866	309520-722212
Chlorobenzene-D5	15.28	ok	15.28	14.95-15.61	214758	ok	247649	148589-346709

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.63	9.28	0.714	ok	0.716	0.656-0.776
Acrolein	6.51	9.28	0.702	ok	0.702	0.642-0.762
Acrylonitrile	7.01	9.28	0.755	ok	0.756	0.696-0.816
Acetonitrile	6.40	9.28	0.690	ok	0.690	0.630-0.750
1,3-Butadiene	5.72	9.28	0.616	ok	0.617	0.557-0.677
Benzene	10.73	11.02	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.15	15.29	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.67	11.02	1.059	ok	1.059	0.999-1.119
Bromoform	16.02	15.29	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.28	0.643	ok	0.644	0.584-0.704
Bromoethene	6.43	9.28	0.693	ok	0.692	0.632-0.752
n-Butane	5.77	9.28	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	18.43	15.29	1.205	ok	1.206	1.146-1.266
n-Butylbenzene	19.20	15.29	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	18.56	15.29	1.214	ok	1.214	1.154-1.274
tert-Butylbenzene	18.26	15.29	1.194	ok	1.194	1.134-1.254
Carbon disulfide	7.72	9.28	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.33	15.29	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.13	9.28	0.553	ok	0.553	0.493-0.613
Chloroethane	6.12	9.28	0.659	ok	0.659	0.599-0.719
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	5.39	9.28	0.581	ok	0.581	0.521-0.641
3-Chloropropene	7.52	9.28	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.55	15.29	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.86	9.28	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.98	11.02	0.996	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.40	9.28	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.32	9.28	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.17	15.29	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.06	9.28	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.48	11.02	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.70	11.02	1.062	ok	1.063	1.003-1.123
Dichlorodifluoromethane	5.24	9.28	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.19	9.28	0.667	ok	0.666	0.606-0.726
Dibromochloromethane	13.92	15.29	0.910	ok	0.911	0.851-0.971
Dibromomethane	11.47	11.02	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.22	9.28	0.886	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.13	9.28	0.984	ok	0.984	0.924-1.044

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.51	11.02	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.45	15.29	1.207	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.90	15.29	1.236	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.53	15.29	1.212	ok	1.212	1.152-1.272
trans-1,3-Dichloropropene	13.01	11.02	1.181	ok	1.181	1.121-1.241
Di-Isopropyl ether	9.27	9.28	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.16	11.02	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.08	9.28	1.086	ok	1.086	1.026-1.146
Ethanol	6.21	9.28	0.669	ok	0.668	0.608-0.728
Ethylbenzene	15.71	15.29	1.027	ok	1.028	0.968-1.088
Ethyl Acetate	9.28	9.28	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	17.73	15.29	1.160	ok	1.160	1.100-1.220
Freon 113	7.63	9.28	0.822	ok	0.822	0.762-0.882
Freon 114	5.48	9.28	0.591	ok	0.590	0.530-0.650
Freon 152A	5.09	9.28	0.548	ok	0.549	0.489-0.609
Heptane	11.93	11.02	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.30	15.29	1.393	ok	1.394	1.334-1.454
Hexachloroethane	19.65	15.29	1.285	ok	1.286	1.226-1.346
Hexane	9.29	9.28	1.001	ok	1.000	0.940-1.060
2-Hexanone	13.70	15.29	0.896	ok	0.897	0.837-0.957
Iodomethane	7.28	9.28	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	17.03	15.29	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.81	9.28	0.734	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.73	15.29	1.225	ok	1.225	1.165-1.285
Methylene chloride	7.41	9.28	0.798	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.73	9.28	0.941	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.53	11.02	1.137	ok	1.138	1.078-1.198
Methyl Tert Butyl Ether	8.44	9.28	0.909	ok	0.910	0.850-0.970
Methylmethacrylate	11.84	11.02	1.074	ok	1.075	1.015-1.135
Naphthalene	20.93	15.29	1.369	ok	1.370	1.310-1.430
Nonane	16.59	15.29	1.085	ok	1.085	1.025-1.145
Octane	14.42	15.29	0.943	ok	0.943	0.883-1.003
Pentane	7.07	9.28	0.762	ok	0.761	0.701-0.821
n-Propylbenzene	17.58	15.29	1.150	ok	1.150	1.090-1.210
Propylene	5.17	9.28	0.557	ok	0.557	0.497-0.617
Styrene	16.30	15.29	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.30	9.28	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.31	15.29	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	Reporting this level
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	16.40	15.29	1.073	ok	1.073	1.013-1.133
1,1,2-Trichloroethane	13.20	11.02	1.198	ok	1.198	1.138-1.258
1,2,4-Trichlorobenzene	21.21	15.29	1.387	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.55	15.29	1.082	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.26	15.29	1.194	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.81	15.29	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.02	1.062	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.33	9.28	0.790	ok	0.791	0.731-0.851
Tetrachloroethylene	14.62	15.29	0.956	ok	0.957	0.897-1.017
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.48	11.02	1.223	ok	1.224	1.164-1.284
Trichloroethylene	11.70	11.02	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.78	9.28	0.731	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.28	0.603	ok	0.604	0.544-0.664
Vinyl Acetate	8.49	9.28	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.90	15.29	1.040	ok	1.040	0.980-1.100
o-Xylene	16.41	15.29	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	99012	ok	99945	59967-139923
1,4-Difluorobenzene	11.02	ok	11.02	10.69-11.35	512715	ok	515866	309520-722212
Chlorobenzene-D5	15.29	ok	15.28	14.95-15.61	283062	ok	247649	148589-346709

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.62	9.28	0.713	ok	0.716	0.656-0.776
Acrolein	6.51	9.28	0.702	ok	0.702	0.642-0.762
Acrylonitrile	7.01	9.28	0.755	ok	0.756	0.696-0.816
Acetonitrile	6.40	9.28	0.690	ok	0.690	0.630-0.750
1,3-Butadiene	5.72	9.28	0.616	ok	0.617	0.557-0.677
Benzene	10.73	11.02	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.15	15.29	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.67	11.02	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.29	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.28	0.643	ok	0.644	0.584-0.704
Bromoethene	6.43	9.28	0.693	ok	0.692	0.632-0.752
n-Butane	5.77	9.28	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	18.43	15.29	1.205	ok	1.206	1.146-1.266
n-Butylbenzene	19.20	15.29	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	18.56	15.29	1.214	ok	1.214	1.154-1.274
tert-Butylbenzene	18.26	15.29	1.194	ok	1.194	1.134-1.254
Carbon disulfide	7.72	9.28	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.34	15.29	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.13	9.28	0.553	ok	0.553	0.493-0.613
Chloroethane	6.12	9.28	0.659	ok	0.659	0.599-0.719
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	5.39	9.28	0.581	ok	0.581	0.521-0.641
3-Chloropropene	7.52	9.28	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.55	15.29	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.86	9.28	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.98	11.02	0.996	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.40	9.28	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.32	9.28	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.17	15.29	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.06	9.28	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.49	11.02	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	11.70	11.02	1.062	ok	1.063	1.003-1.123
Dichlorodifluoromethane	5.24	9.28	0.565	ok	0.565	0.505-0.625
Dichlorofluoromethane	6.18	9.28	0.666	ok	0.666	0.606-0.726
Dibromochloromethane	13.92	15.29	0.910	ok	0.911	0.851-0.971
Dibromomethane	11.47	11.02	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.22	9.28	0.886	ok	0.886	0.826-0.946
cis-1,2-Dichloroethylene	9.13	9.28	0.984	ok	0.984	0.924-1.044

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.51	11.02	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.45	15.29	1.207	ok	1.207	1.147-1.267
o-Dichlorobenzene	18.91	15.29	1.237	ok	1.237	1.177-1.297
p-Dichlorobenzene	18.53	15.29	1.212	ok	1.212	1.152-1.272
trans-1,3-Dichloropropene	13.02	11.02	1.181	ok	1.181	1.121-1.241
Di-Isopropyl ether	9.27	9.28	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.16	11.02	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.08	9.28	1.086	ok	1.086	1.026-1.146
Ethanol	6.19	9.28	0.667	ok	0.668	0.608-0.728
Ethylbenzene	15.71	15.29	1.027	ok	1.028	0.968-1.088
Ethyl Acetate	9.28	9.28	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	17.73	15.29	1.160	ok	1.160	1.100-1.220
Freon 113	7.63	9.28	0.822	ok	0.822	0.762-0.882
Freon 114	5.48	9.28	0.591	ok	0.590	0.530-0.650
Freon 152A	5.09	9.28	0.548	ok	0.549	0.489-0.609
Heptane	11.93	11.02	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.31	15.29	1.394	ok	1.394	1.334-1.454
Hexachloroethane	19.65	15.29	1.285	ok	1.286	1.226-1.346
Hexane	9.28	9.28	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.71	15.29	0.897	ok	0.897	0.837-0.957
Iodomethane	7.28	9.28	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	17.03	15.29	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.81	9.28	0.734	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.73	15.29	1.225	ok	1.225	1.165-1.285
Methylene chloride	7.41	9.28	0.798	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.74	9.28	0.942	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.53	11.02	1.137	ok	1.138	1.078-1.198
Methyl Tert Butyl Ether	8.43	9.28	0.908	ok	0.910	0.850-0.970
Methylmethacrylate	11.84	11.02	1.074	ok	1.075	1.015-1.135
Naphthalene	20.93	15.29	1.369	ok	1.370	1.310-1.430
Nonane	16.59	15.29	1.085	ok	1.085	1.025-1.145
Octane	14.42	15.29	0.943	ok	0.943	0.883-1.003
Pentane	7.07	9.28	0.762	ok	0.761	0.701-0.821
n-Propylbenzene	17.58	15.29	1.150	ok	1.150	1.090-1.210
Propylene	5.17	9.28	0.557	ok	0.557	0.497-0.617
Styrene	16.30	15.29	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.30	9.28	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.31	15.29	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2080-ICC2080	W52088.D	10/22/15 10:55	YMH	10	GCMSW	TO-15	
VW2080-IC2080	W52089.D	10/22/15 11:35	YMH	5	GCMSW	TO-15	
VW2080-IC2080	W52090.D	10/22/15 12:16	YMH	0.5	GCMSW	TO-15	
VW2080-IC2080	W52091.D	10/22/15 12:56	YMH	0.2	GCMSW	TO-15	
VW2080-IC2080	W52092.D	10/22/15 13:37	YMH	20	GCMSW	TO-15	
VW2080-IC2080	W52093.D	10/22/15 14:18	YMH	15	GCMSW	TO-15	
VW2080-IC2080	W52095.D	10/22/15 15:40	YMH	0.1	GCMSW	TO-15	
VW2080-IC2080	W52096.D	10/22/15 16:21	YMH	0.04	GCMSW	TO-15	
VW2080-IC2080	W52097.D	10/22/15 17:02	YMH	30	GCMSW	TO-15	
VW2080-IC2080	W52099.D	10/22/15 18:25	YMH	40	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	16.40	15.29	1.073	ok	1.073	1.013-1.133
1,1,2-Trichloroethane	13.20	11.02	1.198	ok	1.198	1.138-1.258
1,2,4-Trichlorobenzene	21.21	15.29	1.387	ok	1.388	1.328-1.448
1,2,3-Trichloropropane	16.55	15.29	1.082	ok	1.082	1.022-1.142
1,2,4-Trimethylbenzene	18.26	15.29	1.194	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.81	15.29	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.70	11.02	1.062	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.33	9.28	0.790	ok	0.791	0.731-0.851
Tetrachloroethylene	14.62	15.29	0.956	ok	0.957	0.897-1.017
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.48	11.02	1.223	ok	1.224	1.164-1.284
Trichloroethylene	11.70	11.02	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.77	9.28	0.730	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.28	0.603	ok	0.604	0.544-0.664
Vinyl Acetate	8.49	9.28	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.90	15.29	1.040	ok	1.040	0.980-1.100
o-Xylene	16.41	15.29	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	106833	ok	99945	59967-139923
1,4-Difluorobenzene	11.02	ok	11.02	10.69-11.35	559533	ok	515866	309520-722212
Chlorobenzene-D5	15.29	ok	15.28	14.95-15.61	306915	ok	247649	148589-346709

Volatile Surrogate Recovery Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JC7272-1	W52255.D	88
JC7272-1	W52229.D	97
JC7272-2	W52230.D	91
JC7272-3	W52231.D	91
JC7272-4	W52256.D	92
JC7272-4	W52232.D	92
JC7272-5	3W50821.D	85
JC7272-5	W52233.D	94
JC7272-6	W52234.D	92
JC7121-1DUP	W52245.D	90
JC7140-1DUP	W52220.D	94
JC7415-1DUP	3W50806.D	92
V3W1930-BS2	3W50817.D	114
V3W1930-BSD2	3W50818.D	113
V3W1930-MB2	3W50820.D	82
V5W564-SCC	5W14152.D	96
V5W565-SCC	5W14169.D	98
VW2086-BS	W52208.D	101
VW2086-BSD	W52209.D	100
VW2086-MB	W52211.D	88
VW2086-SCC	W52224.D	85
VW2087-BS	W52237.D	102
VW2087-BSD	W52239.D	105
VW2087-MB	W52241.D	87
V3W1930-MB	3W50799.D	80
V5W564-BS	5W14134.D	105
V5W564-BSD	5W14135.D	103
V5W564-MB	5W14137.D	99
V5W565-BS	5W14155.D	104
V5W565-BSD	5W14156.D	101
V5W565-MB	5W14158.D	99

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V3W1928-ICC1928
Lab FileID: 3W50751.D

Response Factor Report MS3W

```
Method       : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title        : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update  : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

Calibration Files
0.04=3W50759.D   0.1 =3W50758.D   0.2 =3W50754.D   0.5 =3W50753.D
5   =3W50752.D   10  =3W50751.D   20  =3W50755.D   40  =3W50762.D
15  =3W50756.D   30  =3W50760.D       =                =

Compound
        0.04  0.1   0.2   0.5   5     10    20    40    15    30     Avg   %RSD
--------------------------------------------------------------------------------

1) I   BROMOCHLOROMETHANE    ----------------ISTD---------------------
2)  1,1,1-TRIFLUOROETHANE
                                                                     0.000   -1.00
3)  FREON 115
                                                                     0.000   -1.00
4)  FREON 152A
            1.251 1.109 0.925 0.999 0.940 0.890 0.831 0.889 0.831  0.963   14.39
5)  CHLORODIFLUOROMETHANE
                  0.353 0.346 0.357 0.340 0.324 0.299 0.313 0.299  0.329    7.09
6)  DICHLORODIFLUOROMETHANE
            3.722 3.725 3.280 3.547 3.309 3.118 2.784 3.058 2.864  3.267   10.59
7)  PROPYLENE
                  1.482 1.222 1.299 1.248 1.141 1.020 1.144 1.050  1.201   12.32
8)  1-CHLORO-1,1-DIFLUOROETHANE
                                                                     0.000   -1.00
9)  FREON 114
      5.217 4.222 4.127 3.467 3.998 3.800 3.615 3.254 3.453 3.280  3.843   15.39
10)  CHLOROMETHANE
            2.193 2.015 1.736 1.757 1.712 1.604 1.454 1.559 1.513  1.727   13.96
11)  VINYL CHLORIDE
      1.967 1.733 1.736 1.598 1.758 1.666 1.570 1.438 1.508 1.442  1.642   10.02
12)  1,3-BUTADIENE
            1.481 1.215 1.219 1.274 1.230 1.163 1.047 1.103 1.060  1.199   11.02
13)  n-BUTANE
            2.843 2.648 2.340 2.570 2.457 2.235 1.951 2.149 2.034  2.358   12.58
14)  BROMOMETHANE
      1.862 1.779 1.581 1.359 1.519 1.440 1.350 1.246 1.305 1.239  1.468   14.76
15)  CHLOROETHANE
      0.980 0.966 0.951 0.769 0.875 0.820 0.811 0.739 0.771 0.745  0.843   11.13
16)  DICHLOROFLUOROMETHANE
            4.041 3.439 3.184 3.456 3.206 3.090 2.791 2.945 2.827  3.220   12.07
17)  ACETONITRILE
            1.163 0.801 1.216 1.184 1.140 1.155 1.041 1.095 1.055  1.094   11.36
18)  FREON 123
      4.835 4.051 3.823 3.536 3.899 3.649 3.502 3.150 3.386 3.202  3.703   13.31
19)  FREON 123A
            2.091 2.013 1.783 2.008 1.878 1.861 1.723 1.786 1.709  1.872    7.33
20)  TRICHLOROFLUOROMETHANE
      3.988 3.430 3.424 3.131 3.456 3.224 3.066 2.824 2.994 2.813  3.235   10.97
21)  1,1-DICHLORO-1-FLUOROETHANE
                                                                     0.000   -1.00
22)  ISOPROPYL ALCOHOL
            2.615 2.898 2.749 3.053 2.997 2.836 2.547 2.794 2.606  2.788    6.35
23)  ACETONE
```

Initial Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V3W1928-ICC1928
Lab FileID: 3W50751.D

```
                    0.817 0.706 0.725 0.709 0.704 0.649 0.674 0.645  0.704    7.71
24)  PENTANE
                    2.170 1.630 1.727 1.632 1.535 1.368 1.505 1.403  1.621   15.56
25)  TVHC as EQUIV PENTANE
      0.839 0.997 1.148 1.022 0.908 0.888 0.863 0.794 0.845 0.794  0.910 E1  12.45
26)  IODOMETHANE
      4.435 3.986 3.881 3.463 4.060 3.800 3.687 3.449 3.583 3.426  3.777    8.57
27)  1,1-DICHLOROETHYLENE
             1.820 1.650 1.509 1.509 1.416 1.378 1.293 1.340 1.279  1.466   12.16
28)  CARBON DISULFIDE
      5.451 4.835 4.776 4.087 4.545 4.280 3.994 3.695 3.935 3.713  4.331   13.04
29)  ETHANOL
                    0.900 1.021 0.734 0.690 0.650 0.600 0.617 0.609  0.728   21.14
30)  BROMOETHENE
      1.831 1.456 1.405 1.291 1.525 1.440 1.371 1.281 1.323 1.268  1.419   11.81
31)  ACRYLONITRILE
      0.886 0.786 0.815 0.690 0.909 0.909 0.909 0.837 0.884 0.837  0.846    8.27
32)  METHYLENE CHLORIDE
                    1.794 1.388 1.346 1.270 1.232 1.150 1.201 1.150  1.317   16.02
33)  3-CHLOROPROPENE
      0.784 0.804 0.671 0.623 0.712 0.682 0.669 0.627 0.649 0.622  0.684    9.42
34)  FREON 113
      2.728 2.303 2.244 2.133 2.445 2.293 2.240 2.135 2.158 2.107  2.279    8.27
35)  TRANS-1,2-DICHLOROETHYLENE
             1.406 1.487 1.212 1.374 1.311 1.308 1.240 1.263 1.228  1.314    7.01
36)  TERTIARY BUTYL ALCOHOL
      4.813 3.646 3.538 3.259 3.646 3.543 3.384 2.972 3.321 3.095  3.522   14.39
37)  METHYL TERTIARY BUTYL ETHER
             4.007 3.620 3.271 4.073 3.938 3.803 3.418 3.694 3.464  3.699    7.56
38)  TETRAHYDROFURAN
      0.491 0.603 0.616 0.585 0.746 0.732 0.721 0.666 0.697 0.660  0.652   12.13
39)  HEXANE
             2.738 2.736 2.254 2.458 2.389 2.295 2.108 2.239 2.147  2.374    9.79
40)  VINYL ACETATE
                    0.198 0.209 0.304 0.296 0.309 0.289 0.291 0.288  0.273   16.03
41)  1,1-DICHLOROETHANE
      3.784 3.006 2.984 2.657 3.034 2.858 2.743 2.456 2.683 2.502  2.871   13.22
42)  METHYL ETHYL KETONE
                    0.507 0.537 0.688 0.703 0.703 0.653 0.665 0.651  0.638   11.72
43)  cis-1,2-DICHLOROETHYLENE
      1.643 1.495 1.314 1.405 1.457 1.435 1.420 1.342 1.363 1.329  1.420    6.88
44)  DIISOPROPYL ETHER
             0.517 0.574 0.513 0.542 0.570 0.559 0.548 0.545 0.528  0.544    3.99
45)  ETHYL ACETATE
                    0.467 0.488 0.550 0.518 0.543 0.514 0.494 0.515  0.511    5.42
46)  METHYL ACRYLATE
                    1.654 1.748 2.461 2.481 2.522 2.333 2.418 2.367  2.248   15.29
47)  CHLOROFORM
      3.246 3.104 2.899 2.528 2.974 2.866 2.769 2.545 2.687 2.586  2.820    8.60
48)  2,4-DIMETHYLPENTANE
             3.370 3.240 2.731 3.114 2.958 2.854 2.585 2.787 2.638  2.920    9.33
49)  1,1,1-TRICHLOROETHANE
      3.546 2.904 2.880 2.570 2.963 2.841 2.750 2.499 2.658 2.546  2.816   10.78
50)  CARBON TETRACHLORIDE
      3.585 2.923 2.857 2.650 3.016 2.856 2.800 2.563 2.695 2.599  2.855   10.35
51)  1,2-DICHLOROETHANE
      1.673 1.470 1.428 1.338 1.678 1.633 1.632 1.514 1.579 1.530  1.548    7.26

52) I   1,4-DIFLUOROBENZENE   ----------------ISTD--------------------
53)  BENZENE
```

Initial Calibration Summary

Job Number: JC7272 **Sample:** V3W1928-ICC1928
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 3W50751.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

```
      1.236 0.937 0.901 0.809 0.982 0.914 0.898 0.823 0.882 0.843  0.922   13.24
54)  CYCLOHEXANE
      0.633 0.532 0.516 0.439 0.515 0.475 0.455 0.427 0.451 0.432  0.487   13.02
55)  2,3-DIMETHYLPENTANE
                  0.284 0.225 0.231 0.215 0.209 0.195 0.205 0.196  0.220   13.21
56)  TRICHLOROETHYLENE
      0.483 0.412 0.381 0.311 0.371 0.360 0.358 0.347 0.346 0.348  0.372   12.70
57)  1,2-DICHLOROPROPANE
            0.453 0.495 0.321 0.388 0.364 0.357 0.333 0.354 0.340  0.378   15.43
58)  DIBROMOMETHANE
      0.341 0.306 0.289 0.266 0.348 0.326 0.328 0.326 0.314 0.324  0.317    7.75
59)  ETHYL ACRYLATE
                  0.354 0.392 0.621 0.619 0.633 0.596 0.610 0.609  0.554   20.32
60)  BROMODICHLOROMETHANE
      0.757 0.669 0.586 0.556 0.652 0.614 0.600 0.561 0.584 0.575  0.615   10.06
61)  2,2,4-TRIMETHYLPENTANE
      1.853 1.683 1.523 1.382 1.647 1.548 1.456 1.297 1.466 1.355  1.521   11.12
62)  1,4-DIOXANE
      0.145 0.158 0.212 0.162 0.206 0.201 0.200 0.192 0.191 0.193  0.186   12.25
63)  HEPTANE
      0.658 0.566 0.610 0.532 0.594 0.571 0.543 0.483 0.546 0.511  0.561    8.98
64)  TVHC as EQUIV HEPTANE
      3.311 2.479 2.298 2.275 3.822 3.671 3.561 3.290 3.582 3.389  3.168   18.59
65)  METHYL METHACRYLATE
      0.243 0.278 0.221 0.268 0.331 0.317 0.320 0.301 0.309 0.304  0.289   12.34
66)  METHYL ISOBUTYL KETONE
      0.179 0.188 0.201 0.197 0.275 0.274 0.274 0.258 0.264 0.263  0.237   17.04
67)  cis-1,3-DICHLOROPROPENE
      0.544 0.443 0.426 0.367 0.532 0.512 0.517 0.492 0.500 0.499  0.483   11.37
68)  TOLUENE
      0.710 0.575 0.545 0.484 0.636 0.611 0.617 0.579 0.593 0.585  0.593    9.91
69)  trans-1,3-DICHLOROPROPENE
      0.345 0.282 0.287 0.250 0.384 0.391 0.409 0.401 0.388 0.402  0.354   16.75
70)  1,1,2-TRICHLOROETHANE
      0.371 0.290 0.289 0.260 0.330 0.315 0.314 0.299 0.302 0.303  0.307    9.48

71) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
72)  2-HEXANONE
                  0.478 0.523 0.753 0.726 0.701 0.642 0.684 0.656  0.645   15.01
73)  ETHYL METHACRYLATE
      0.899 0.868 0.906 0.899 1.079 1.034 1.003 0.899 0.984 0.927  0.950    7.42
74)  TETRACHLOROETHYLENE
      1.147 0.948 0.921 0.814 0.868 0.794 0.759 0.700 0.744 0.712  0.841   16.25
75)  DIBROMOCHLOROMETHANE
      1.617 1.373 1.239 1.174 1.311 1.204 1.156 1.061 1.134 1.079  1.235   13.40
76)  1,2-DIBROMOETHANE
      1.043 0.948 0.908 0.871 1.044 0.977 0.959 0.884 0.933 0.902  0.947    6.43
77)  OCTANE
            1.481 1.497 1.443 1.617 1.509 1.392 1.178 1.407 1.259  1.420    9.39
78)  1,1,1,2-TETRACHLOROETHANE
            0.995 0.880 0.839 0.980 0.904 0.861 0.780 0.843 0.797  0.876    8.44
79)  CHLOROBENZENE
      1.899 1.616 1.408 1.432 1.642 1.542 1.492 1.355 1.451 1.381  1.522   10.74
80)  ETHYLBENZENE
      3.418 2.807 2.525 2.357 2.775 2.581 2.443 2.099 2.409 2.214  2.563   14.57
81)  m,p-XYLENE
      1.190 1.009 0.894 0.900 1.043 0.981 0.952 0.850 0.923 0.869  0.961   10.56
82)  o-XYLENE
      1.148 0.991 0.868 0.886 1.017 0.948 0.925 0.837 0.889 0.845  0.935   10.21
83)  STYRENE
```

Initial Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V3W1928-ICC1928
Lab FileID: 3W50751.D

```
      1.256 1.109 1.143 1.160 1.437 1.379 1.378 1.244 1.307 1.270  1.268    8.63
 84)  NONANE
      1.384 1.293 1.166 1.257 1.553 1.481 1.383 1.149 1.375 1.287  1.333    9.63
 85)  BROMOFORM
      1.338 1.216 1.071 1.058 1.296 1.216 1.205 1.114 1.158 1.118  1.179    7.87
 86)  4-BROMOFLUOROBENZENE
      0.859 0.872 0.887 0.943 1.118 1.109 1.122 1.036 0.729 1.061  0.974   13.89
 87)  1,1,2,2-TETRACHLOROETHANE
      1.844 1.574 1.351 1.429 1.637 1.523 1.462 1.272 1.424 1.345  1.486   11.25
 88)  1,2,3-TRICHLOROPROPANE
      1.386 1.068 1.059 1.050 1.206 1.133 1.093 0.963 1.069 1.006  1.103   10.81
 89)  ISOPROPYLBENZENE
      3.123 2.850 2.510 2.476 3.013 2.780 2.635 2.247 2.588 2.355  2.658   10.61
 90)  BROMOBENZENE
      1.744 1.452 1.074 1.157 1.345 1.278 1.264 1.131 1.225 1.177  1.285   15.18
 91)  2-CHLOROTOLUENE
      0.697 0.696 0.506 0.536 0.721 0.675 0.668 0.616 0.641 0.613  0.637   11.07
 92)  n-PROPYLBENZENE
                  0.495 0.530 0.742 0.706 0.699 0.649 0.665 0.648  0.642   13.42
 93)  4-ETHYLTOLUENE
                  1.626 1.714 2.516 2.412 2.359 2.056 2.278 2.131  2.136   15.18
 94)  1,3,5-TRIMETHYLBENZENE
      2.055 1.939 1.617 1.772 2.284 2.129 2.051 1.773 1.994 1.863  1.948   10.09
 95)  ALPHA-METHYLSTYRENE
                  0.615 0.643 1.047 1.022 1.027 0.945 0.981 0.952  0.904   19.19
 96)  tert-BUTYLBENZENE
                  0.355 0.383 0.511 0.490 0.495 0.456 0.465 0.462  0.452   12.17
 97)  1,2,4-TRIMETHYLBENZENE
      1.963 1.596 1.479 1.527 2.101 2.028 2.002 1.757 1.921 1.837  1.821   12.17
 98)  m-DICHLOROBENZENE
      1.344 0.941 0.787 0.799 1.153 1.177 1.217 1.157 1.145 1.147  1.087   16.85
 99)  BENZYL CHLORIDE
      1.592 1.267 1.022 0.887 1.367 1.457 1.553 1.526 1.439 1.511  1.362   17.36
100)  p-DICHLOROBENZENE
      1.357 1.105 0.848 0.834 1.183 1.170 1.224 1.154 1.138 1.136  1.115   14.37
101)  sec-BUTYLBENZENE
                  0.386 0.390 0.594 0.576 0.579 0.540 0.541 0.535  0.518   15.99
102)  p-ISOPROPYLTOLUENE
                  0.357 0.372 0.624 0.615 0.636 0.611 0.595 0.607  0.552   21.09
103)  o-DICHLOROBENZENE
      1.277 0.997 0.861 0.862 1.179 1.139 1.169 1.105 1.094 1.078  1.076   12.51
104)  n-BUTYLBENZENE
                  0.249 0.280 0.457 0.474 0.509 0.523 0.465 0.492  0.431   24.47
105)  HEXACHLOROETHANE
            0.946 0.891 0.805 1.006 0.928 0.924 0.853 0.878 0.861  0.899    6.57
106)  HEXACHLOROBUTADIENE
      0.880 0.737 0.558 0.547 0.588 0.622 0.679 0.611 0.607 0.625  0.645   15.41
107)  1,2,4-TRICHLOROBENZENE
      0.502 0.348 0.255 0.279 0.319 0.347 0.442 0.486 0.372 0.458  0.381   22.75
108)  NAPHTHALENE
      0.867 0.756 0.563 0.645 0.648 0.702 0.881 0.973 0.748 0.926  0.771   17.61
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M3W1928.M         Mon Nov 02 15:52:34 2015   MS3W
```

6.9.1

6

Initial Calibration Verification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V3W1928-ICV1928
Lab FileID: 3W50764.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W50764.D Vial: 4
Acq On : 31 Oct 2015 9:46 am Operator: YOUMINH
Sample : ICV1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	118	0.00	7.14
2		1,1,1-TRIFLUOROETHANE		----------NA----------				
3		FREON 115		----------NA----------				
4		FREON 152A	0.963	0.911	5.4	114	0.00	4.25
5		CHLORODIFLUOROMETHANE	0.329	0.321	2.4	111	0.00	4.27
6		DICHLORODIFLUOROMETHANE	3.267	3.221	1.4	115	0.00	4.33
7		PROPYLENE	1.201	1.152	4.1	109	0.00	4.29
8		1-CHLORO-1,1-DIFLUOROETHA		----------NA----------				
9		FREON 114	3.843	3.598	6.4	111	0.00	4.46
10		CHLOROMETHANE	1.727	1.585	8.2	109	0.00	4.42
11		VINYL CHLORIDE	1.642	1.536	6.5	108	0.00	4.53
12		1,3-BUTADIENE	1.199	1.084	9.6	104	0.00	4.60
13		n-BUTANE	2.358	2.161	8.4	104	0.00	4.61
14		BROMOMETHANE	1.468	1.354	7.8	111	0.00	4.75
15		CHLOROETHANE	0.843	0.763	9.5	110	0.00	4.83
16		DICHLOROFLUOROMETHANE	3.220	2.931	9.0	108	0.00	4.88
17		ACETONITRILE	1.094	0.976	10.8	101	0.00	5.05
18		FREON 123	3.703	3.364	9.2	109	0.00	5.08
19		FREON 123A	1.872	1.842	1.6	115	0.00	5.11
20		TRICHLOROFLUOROMETHANE	3.235	3.050	5.7	111	0.00	5.24
21		1,1-DICHLORO-1-FLUOROETHA		----------NA----------				
22		ISOPROPYL ALCOHOL	2.788	2.508	10.0	98	0.00	5.31
23		ACETONE	0.704	0.615	12.6	102	0.00	5.16
24		PENTANE	1.621	1.415	12.7	102	0.00	5.40
25	H	TVHC as EQUIV PENTANE	9.099	7.774	14.6	103	0.00	5.40
26		IODOMETHANE	3.777	3.762	0.4	116	0.00	5.56
27		1,1-DICHLOROETHYLENE	1.466	1.363	7.0	113	0.00	5.61
28		CARBON DISULFIDE	4.331	4.047	6.6	111	0.00	5.86
29		ETHANOL	0.728	0.568	22.0	97	0.00	4.92
30		BROMOETHENE	1.419	1.375	3.1	112	0.00	5.02
31		ACRYLONITRILE	0.846	0.794	6.1	103	0.00	5.44
32		METHYLENE CHLORIDE	1.317	1.224	7.1	113	0.00	5.68
33		3-CHLOROPROPENE	0.684	0.630	7.9	109	0.00	5.74
34		FREON 113	2.279	2.298	-0.8	118	0.00	5.82
35		TRANS-1,2-DICHLOROETHYLEN	1.314	1.291	1.8	116	0.00	6.24
36		TERTIARY BUTYL ALCOHOL	3.522	3.102	11.9	103	0.00	5.65
37		METHYL TERTIARY BUTYL ETH	3.699	3.655	1.2	109	0.00	6.41
38		TETRAHYDROFURAN	0.652	0.676	-3.7	109	0.00	7.54
39		HEXANE	2.374	2.217	6.6	109	0.00	7.07
40		VINYL ACETATE	0.273	0.276	-1.1	110	0.00	6.50
41		1,1-DICHLOROETHANE	2.871	2.651	7.7	109	0.00	6.40
42		METHYL ETHYL KETONE	0.638	0.631	1.1	106	0.00	6.68

Initial Calibration Verification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V3W1928-ICV1928
Lab FileID: 3W50764.D

43		cis-1,2-DICHLOROETHYLENE	1.420	1.375	3.2	113	0.00	7.02
44		DIISOPROPYL ETHER	0.544	0.466	14.3	96	0.00	7.09
45		ETHYL ACETATE	0.511	0.492	3.7	112	0.00	7.16
46		METHYL ACRYLATE	2.248	2.216	1.4	105	0.00	7.17
47		CHLOROFORM	2.820	2.743	2.7	113	0.00	7.22
48		2,4-DIMETHYLPENTANE	2.920	2.770	5.1	110	0.00	7.75
49		1,1,1-TRICHLOROETHANE	2.816	2.746	2.5	114	0.00	7.99
50		CARBON TETRACHLORIDE	2.855	2.753	3.6	113	0.00	8.51
51		1,2-DICHLOROETHANE	1.548	1.527	1.4	110	0.00	7.80
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	114	0.00	8.70
53		BENZENE	0.922	0.878	4.8	109	0.00	8.39
54		CYCLOHEXANE	0.487	0.468	3.9	112	0.00	8.55
55		2,3-DIMETHYLPENTANE	0.220	0.210	4.5	111	0.00	8.73
56		TRICHLOROETHYLENE	0.372	0.345	7.3	109	0.00	9.30
57		1,2-DICHLOROPROPANE	0.378	0.357	5.6	112	0.00	9.07
58		DIBROMOMETHANE	0.317	0.322	-1.6	113	0.00	9.09
59		ETHYL ACRYLATE	0.554	0.570	-2.9	105	0.00	9.12
60		BROMODICHLOROMETHANE	0.615	0.595	3.3	111	0.00	9.28
61		2,2,4-TRIMETHYLPENTANE	1.521	1.476	3.0	109	0.00	9.24
62		1,4-DIOXANE	0.186	0.188	-1.1	107	0.00	9.37
63		HEPTANE	0.561	0.536	4.5	107	0.00	9.49
64	H	TVHC as EQUIV HEPTANE	3.168	3.464	-9.3	108	0.00	9.49
65		METHYL METHACRYLATE	0.289	0.299	-3.5	107	0.00	9.52
66		METHYL ISOBUTYL KETONE	0.237	0.251	-5.9	105	0.00	10.13
67		cis-1,3-DICHLOROPROPENE	0.483	0.463	4.1	103	0.00	10.12
68		TOLUENE	0.593	0.590	0.5	110	0.00	11.03
69		trans-1,3-DICHLOROPROPENE	0.354	0.368	-4.0	107	0.00	10.62
70		1,1,2-TRICHLOROETHANE	0.307	0.304	1.0	110	0.00	10.78
71	I	CHLOROBENZENE-D5	1.000	1.000	0.0	111	0.00	12.83
72		2-HEXANONE	0.645	0.671	-4.0	102	0.00	11.31
73		ETHYL METHACRYLATE	0.950	0.980	-3.2	105	0.00	11.34
74		TETRACHLOROETHYLENE	0.841	0.801	4.8	112	0.00	12.15
75		DIBROMOCHLOROMETHANE	1.235	1.206	2.3	111	0.00	11.46
76		1,2-DIBROMOETHANE	0.947	0.967	-2.1	110	0.00	11.67
77		OCTANE	1.420	1.454	-2.4	107	0.00	11.96
78		1,1,1,2-TETRACHLOROETHANE	0.876	0.900	-2.7	110	0.00	12.85
79		CHLOROBENZENE	1.522	1.486	2.4	107	0.00	12.88
80		ETHYLBENZENE	2.563	2.529	1.3	109	0.00	13.25
81		m,p-XYLENE	0.961	0.958	0.3	108	0.00	13.44
82		o-XYLENE	0.935	0.941	-0.6	110	0.00	13.94
83		STYRENE	1.268	1.328	-4.7	107	0.00	13.85
84		NONANE	1.333	1.394	-4.6	104	0.00	14.15
85		BROMOFORM	1.179	1.204	-2.1	110	0.00	13.53
86	S	4-BROMOFLUOROBENZENE	0.974	1.116	-14.6	111	0.00	14.46
87		1,1,2,2-TETRACHLOROETHANE	1.486	1.452	2.3	106	0.00	13.96
88		1,2,3-TRICHLOROPROPANE	1.103	1.073	2.7	105	0.00	14.09
89		ISOPROPYLBENZENE	2.658	2.720	-2.3	108	0.00	14.60
90		BROMOBENZENE	1.285	1.226	4.6	106	0.00	14.70
91		2-CHLOROTOLUENE	0.637	0.661	-3.8	108	0.00	15.14
92		n-PROPYLBENZENE	0.642	0.678	-5.6	106	0.00	15.18
93		4-ETHYLTOLUENE	2.136	2.330	-9.1	107	0.00	15.36
94		1,3,5-TRIMETHYLBENZENE	1.948	2.061	-5.8	107	0.00	15.46
95		ALPHA-METHYLSTYRENE	0.904	0.976	-8.0	106	0.00	15.67
96		tert-BUTYLBENZENE	0.452	0.474	-4.9	107	0.00	15.95
97		1,2,4-TRIMETHYLBENZENE	1.821	1.950	-7.1	106	0.00	15.95
98		m-DICHLOROBENZENE	1.087	1.123	-3.3	106	0.00	16.15
99		BENZYL CHLORIDE	1.362	1.337	1.8	102	0.00	16.15
100		p-DICHLOROBENZENE	1.115	1.104	1.0	104	0.00	16.24

Initial Calibration Verification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V3W1928-ICV1928
Lab FileID: 3W50764.D

101	sec-BUTYLBENZENE	0.518	0.558	-7.7	107	0.00	16.29
102	p-ISOPROPYLTOLUENE	0.552	0.589	-6.7	106	0.00	16.49
103	o-DICHLOROBENZENE	1.076	1.104	-2.6	107	0.00	16.67
104	n-BUTYLBENZENE	0.431	0.440	-2.1	103	0.00	17.02
105	HEXACHLOROETHANE	0.899	0.906	-0.8	108	0.00	17.50
106	HEXACHLOROBUTADIENE	0.645	0.587	9.0	105	0.00	19.35
107	1,2,4-TRICHLOROBENZENE	0.381	0.325	14.7	104	0.00	18.78
108	NAPHTHALENE	0.771	0.658	14.7	104	0.00	18.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3W50751.D M3W1928.M Mon Nov 02 15:53:02 2015 MS3W

6.9.2

6

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V3W1930-CC1928
Lab FileID: 3W50795.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W50795.D Vial: 2
Acq On : 3 Nov 2015 10:00 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS79337,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	7.13
2		1,1,1-TRIFLUOROETHANE		----------NA----------				
3		FREON 115		----------NA----------				
4		FREON 152A	0.963	1.064	-10.5	108	0.00	4.24
5		CHLORODIFLUOROMETHANE	0.329	0.408	-24.0	115	0.00	4.27
6		DICHLORODIFLUOROMETHANE	3.267	3.858	-18.1	111	0.00	4.32
7		PROPYLENE	1.201	1.510	-25.7	116	0.00	4.29
8		1-CHLORO-1,1-DIFLUOROETHA		----------NA----------				
9		FREON 114	3.843	4.220	-9.8	106	0.00	4.46
10		CHLOROMETHANE	1.727	2.028	-17.4	113	0.00	4.42
11		VINYL CHLORIDE	1.642	1.876	-14.3	107	0.00	4.53
12		1,3-BUTADIENE	1.199	1.371	-14.3	106	0.00	4.59
13		n-BUTANE	2.358	2.910	-23.4	113	0.00	4.61
14		BROMOMETHANE	1.468	1.531	-4.3	102	0.00	4.74
15		CHLOROETHANE	0.843	0.908	-7.7	106	0.00	4.83
16		DICHLOROFLUOROMETHANE	3.220	3.575	-11.0	106	0.00	4.87
17		ACETONITRILE	1.094	1.313	-20.0	110	0.00	5.05
18		FREON 123	3.703	3.920	-5.9	103	0.00	5.08
19		FREON 123A	1.872	2.006	-7.2	102	0.00	5.11
20		TRICHLOROFLUOROMETHANE	3.235	3.600	-11.3	107	0.00	5.23
21		1,1-DICHLORO-1-FLUOROETHA		----------NA----------				
22		ISOPROPYL ALCOHOL	2.788	3.227	-15.7	103	0.00	5.30
23		ACETONE	0.704	0.784	-11.4	106	0.00	5.16
24		PENTANE	1.621	1.870	-15.4	109	0.00	5.39
25	H	TVHC as EQUIV PENTANE	9.099	10.067	-10.6	108	0.00	5.40
26		IODOMETHANE	3.777	3.935	-4.2	99	0.00	5.56
27		1,1-DICHLOROETHYLENE	1.466	1.495	-2.0	101	0.00	5.60
28		CARBON DISULFIDE	4.331	4.646	-7.3	104	0.00	5.86
29		ETHANOL	0.728	0.771	-5.9	107	0.00	4.92
30		BROMOETHENE	1.419	1.511	-6.5	100	0.00	5.02
31		ACRYLONITRILE	0.846	0.970	-14.7	102	0.00	5.43
32		METHYLENE CHLORIDE	1.317	1.374	-4.3	103	0.00	5.68
33		3-CHLOROPROPENE	0.684	0.705	-3.1	99	0.00	5.73
34		FREON 113	2.279	2.377	-4.3	99	0.00	5.81
35		TRANS-1,2-DICHLOROETHYLEN	1.314	1.384	-5.3	101	0.00	6.24
36		TERTIARY BUTYL ALCOHOL	3.522	3.728	-5.8	100	-0.01	5.64
37		METHYL TERTIARY BUTYL ETH	3.699	4.030	-8.9	98	0.00	6.41
38		TETRAHYDROFURAN	0.652	0.723	-10.9	94	0.00	7.53
39		HEXANE	2.374	2.553	-7.5	102	0.00	7.06
40		VINYL ACETATE	0.273	0.287	-5.1	93	0.00	6.49
41		1,1-DICHLOROETHANE	2.871	3.067	-6.8	102	0.00	6.39
42		METHYL ETHYL KETONE	0.638	0.698	-9.4	95	0.00	6.67

Continuing Calibration Summary

Job Number: JC7272 **Sample:** V3W1930-CC1928
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 3W50795.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

43		cis-1,2-DICHLOROETHYLENE	1.420	1.493	-5.1	99	-0.01	7.02
44		DIISOPROPYL ETHER	0.544	0.586	-7.7	98	0.00	7.09
45		ETHYL ACETATE	0.511	0.528	-3.3	97	0.00	7.16
46		METHYL ACRYLATE	2.248	2.558	-13.8	98	0.00	7.16
47		CHLOROFORM	2.820	3.090	-9.6	103	0.00	7.22
48		2,4-DIMETHYLPENTANE	2.920	3.172	-8.6	102	0.00	7.74
49		1,1,1-TRICHLOROETHANE	2.816	3.093	-9.8	104	0.00	7.98
50		CARBON TETRACHLORIDE	2.855	3.111	-9.0	104	0.00	8.51
51		1,2-DICHLOROETHANE	1.548	1.785	-15.3	104	0.00	7.79
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	91	0.00	8.70
53		BENZENE	0.922	1.013	-9.9	101	0.00	8.39
54		CYCLOHEXANE	0.487	0.523	-7.4	101	0.00	8.54
55		2,3-DIMETHYLPENTANE	0.220	0.236	-7.3	101	0.00	8.73
56		TRICHLOROETHYLENE	0.372	0.383	-3.0	97	0.00	9.29
57		1,2-DICHLOROPROPANE	0.378	0.410	-8.5	103	0.00	9.06
58		DIBROMOMETHANE	0.317	0.350	-10.4	98	0.00	9.09
59		ETHYL ACRYLATE	0.554	0.652	-17.7	96	0.00	9.11
60		BROMODICHLOROMETHANE	0.615	0.699	-13.7	104	0.00	9.28
61		2,2,4-TRIMETHYLPENTANE	1.521	1.742	-14.5	103	0.00	9.23
62		1,4-DIOXANE	0.186	0.207	-11.3	94	0.00	9.37
63		HEPTANE	0.561	0.663	-18.2	106	0.00	9.49
64	H	TVHC as EQUIV HEPTANE	3.168	4.110	-29.7	102	0.00	9.49
65		METHYL METHACRYLATE	0.289	0.335	-15.9	97	0.00	9.52
66		METHYL ISOBUTYL KETONE	0.237	0.286	-20.7	96	0.00	10.12
67		cis-1,3-DICHLOROPROPENE	0.483	0.555	-14.9	99	0.00	10.11
68		TOLUENE	0.593	0.668	-12.6	100	0.00	11.03
69		trans-1,3-DICHLOROPROPENE	0.354	0.423	-19.5	99	0.00	10.62
70		1,1,2-TRICHLOROETHANE	0.307	0.348	-13.4	101	0.00	10.77
71	I	CHLOROBENZENE-D5	1.000	1.000	0.0	94	0.00	12.83
72		2-HEXANONE	0.645	0.741	-14.9	96	0.00	11.31
73		ETHYL METHACRYLATE	0.950	1.040	-9.5	95	0.00	11.34
74		TETRACHLOROETHYLENE	0.841	0.849	-1.0	101	0.00	12.15
75		DIBROMOCHLOROMETHANE	1.235	1.314	-6.4	103	0.00	11.46
76		1,2-DIBROMOETHANE	0.947	1.040	-9.8	101	0.00	11.66
77		OCTANE	1.420	1.710	-20.4	107	0.00	11.96
78		1,1,1,2-TETRACHLOROETHANE	0.876	0.962	-9.8	100	0.00	12.85
79		CHLOROBENZENE	1.522	1.592	-4.6	97	0.00	12.88
80		ETHYLBENZENE	2.563	2.709	-5.7	99	0.00	13.25
81		m,p-XYLENE	0.961	1.025	-6.7	99	0.00	13.44
82		o-XYLENE	0.935	0.999	-6.8	99	0.00	13.94
83		STYRENE	1.268	1.425	-12.4	98	0.00	13.84
84		NONANE	1.333	1.669	-25.2	106	0.00	14.15
85		BROMOFORM	1.179	1.304	-10.6	101	0.00	13.53
86	S	4-BROMOFLUOROBENZENE	0.974	1.099	-12.8	93	0.00	14.46
87		1,1,2,2-TETRACHLOROETHANE	1.486	1.632	-9.8	101	0.00	13.96
88		1,2,3-TRICHLOROPROPANE	1.103	1.203	-9.1	100	0.00	14.09
89		ISOPROPYLBENZENE	2.658	2.963	-11.5	101	0.00	14.60
90		BROMOBENZENE	1.285	1.382	-7.5	102	0.00	14.70
91		2-CHLOROTOLUENE	0.637	0.709	-11.3	99	0.00	15.14
92		n-PROPYLBENZENE	0.642	0.740	-15.3	99	0.00	15.18
93		4-ETHYLTOLUENE	2.136	2.573	-20.5	101	0.00	15.36
94		1,3,5-TRIMETHYLBENZENE	1.948	2.253	-15.7	100	0.00	15.45
95		ALPHA-METHYLSTYRENE	0.904	1.061	-17.4	98	0.00	15.67
96		tert-BUTYLBENZENE	0.452	0.514	-13.7	99	0.00	15.94
97		1,2,4-TRIMETHYLBENZENE	1.821	2.177	-19.5	101	0.00	15.95
98		m-DICHLOROBENZENE	1.087	1.243	-14.4	100	0.00	16.14
99		BENZYL CHLORIDE	1.362	1.525	-12.0	99	0.00	16.15
100		p-DICHLOROBENZENE	1.115	1.240	-11.2	100	0.00	16.23

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V3W1930-CC1928
Lab FileID: 3W50795.D

101	sec-BUTYLBENZENE	0.518	0.605	-16.8	99	0.00	16.29
102	p-ISOPROPYLTOLUENE	0.552	0.649	-17.6	100	0.00	16.49
103	o-DICHLOROBENZENE	1.076	1.223	-13.7	101	0.00	16.67
104	n-BUTYLBENZENE	0.431	0.491	-13.9	98	0.00	17.02
105	HEXACHLOROETHANE	0.899	1.033	-14.9	105	0.00	17.50
106	HEXACHLOROBUTADIENE	0.645	0.642	0.5	97	0.00	19.35
107	1,2,4-TRICHLOROBENZENE	0.381	0.361	5.2	98	0.00	18.78
108	NAPHTHALENE	0.771	0.740	4.0	99	0.00	18.91

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3W50751.D M3W1928.M Wed Nov 04 12:19:29 2015 MS3W

6.9.3

6

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V3W1930-CC1928
Lab FileID: 3W50816.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W50816.D Vial: 2
Acq On : 4 Nov 2015 10:28 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	112	0.00	7.13
2		1,1,1-TRIFLUOROETHANE		----------NA----------				
3		FREON 115		----------NA----------				
4		FREON 152A	0.963	0.968	-0.5	115	0.00	4.24
5		CHLORODIFLUOROMETHANE	0.329	0.352	-7.0	115	0.00	4.27
6		DICHLORODIFLUOROMETHANE	3.267	3.467	-6.1	117	0.00	4.32
7		PROPYLENE	1.201	1.305	-8.7	117	-0.01	4.28
8		1-CHLORO-1,1-DIFLUOROETHA		----------NA----------				
9		FREON 114	3.843	3.869	-0.7	114	0.00	4.46
10		CHLOROMETHANE	1.727	1.741	-0.8	113	0.00	4.41
11		VINYL CHLORIDE	1.642	1.666	-1.5	111	0.00	4.52
12		1,3-BUTADIENE	1.199	1.201	-0.2	109	0.00	4.59
13		n-BUTANE	2.358	2.428	-3.0	110	0.00	4.61
14		BROMOMETHANE	1.468	1.437	2.1	111	0.00	4.74
15		CHLOROETHANE	0.843	0.823	2.4	112	0.00	4.82
16		DICHLOROFLUOROMETHANE	3.220	3.160	1.9	110	0.00	4.87
17		ACETONITRILE	1.094	1.103	-0.8	108	0.00	5.05
18		FREON 123	3.703	3.587	3.1	110	-0.01	5.07
19		FREON 123A	1.872	1.894	-1.2	113	0.00	5.11
20		TRICHLOROFLUOROMETHANE	3.235	3.224	0.3	112	0.00	5.23
21		1,1-DICHLORO-1-FLUOROETHA		----------NA----------				
22		ISOPROPYL ALCOHOL	2.788	2.823	-1.3	105	0.00	5.30
23		ACETONE	0.704	0.680	3.4	107	0.00	5.16
24		PENTANE	1.621	1.559	3.8	107	0.00	5.39
25	H	TVHC as EQUIV PENTANE	9.099	8.510	6.5	107	0.00	5.39
26		IODOMETHANE	3.777	3.853	-2.0	113	0.00	5.56
27		1,1-DICHLOROETHYLENE	1.466	1.450	1.1	114	0.00	5.59
28		CARBON DISULFIDE	4.331	4.216	2.7	110	0.00	5.86
29		ETHANOL	0.728	0.670	8.0	108	-0.01	4.92
30		BROMOETHENE	1.419	1.440	-1.5	112	0.00	5.01
31		ACRYLONITRILE	0.846	0.853	-0.8	105	0.00	5.42
32		METHYLENE CHLORIDE	1.317	1.284	2.5	113	0.00	5.68
33		3-CHLOROPROPENE	0.684	0.665	2.8	109	0.00	5.73
34		FREON 113	2.279	2.300	-0.9	112	0.00	5.81
35		TRANS-1,2-DICHLOROETHYLEN	1.314	1.333	-1.4	113	0.00	6.24
36		TERTIARY BUTYL ALCOHOL	3.522	3.323	5.7	105	-0.01	5.64
37		METHYL TERTIARY BUTYL ETH	3.699	3.793	-2.5	107	0.00	6.41
38		TETRAHYDROFURAN	0.652	0.712	-9.2	109	0.00	7.53
39		HEXANE	2.374	2.321	2.2	108	0.00	7.06
40		VINYL ACETATE	0.273	0.286	-4.8	108	0.00	6.49
41		1,1-DICHLOROETHANE	2.871	2.783	3.1	109	0.00	6.39
42		METHYL ETHYL KETONE	0.638	0.673	-5.5	107	0.00	6.67

Continuing Calibration Summary

Job Number: JC7272 **Sample:** V3W1930-CC1928
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 3W50816.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

43		cis-1,2-DICHLOROETHYLENE	1.420	1.412	0.6	110	-0.01	7.02
44		DIISOPROPYL ETHER	0.544	0.548	-0.7	107	0.00	7.08
45		ETHYL ACETATE	0.511	0.516	-1.0	111	0.00	7.15
46		METHYL ACRYLATE	2.248	2.424	-7.8	109	0.00	7.16
47		CHLOROFORM	2.820	2.841	-0.7	111	-0.01	7.21
48		2,4-DIMETHYLPENTANE	2.920	2.906	0.5	110	0.00	7.74
49		1,1,1-TRICHLOROETHANE	2.816	2.870	-1.9	113	0.00	7.98
50		CARBON TETRACHLORIDE	2.855	2.875	-0.7	112	0.00	8.51
51		1,2-DICHLOROETHANE	1.548	1.638	-5.8	112	0.00	7.78
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	106	0.00	8.70
53		BENZENE	0.922	0.951	-3.1	110	0.00	8.38
54		CYCLOHEXANE	0.487	0.491	-0.8	110	0.00	8.54
55		2,3-DIMETHYLPENTANE	0.220	0.220	0.0	109	0.00	8.73
56		TRICHLOROETHYLENE	0.372	0.373	-0.3	110	0.00	9.29
57		1,2-DICHLOROPROPANE	0.378	0.377	0.3	110	0.00	9.06
58		DIBROMOMETHANE	0.317	0.337	-6.3	109	0.00	9.09
59		ETHYL ACRYLATE	0.554	0.632	-14.1	108	0.00	9.11
60		BROMODICHLOROMETHANE	0.615	0.651	-5.9	112	0.00	9.27
61		2,2,4-TRIMETHYLPENTANE	1.521	1.600	-5.2	110	0.00	9.23
62		1,4-DIOXANE	0.186	0.203	-9.1	107	0.00	9.37
63		HEPTANE	0.561	0.603	-7.5	112	-0.01	9.48
64	H	TVHC as EQUIV HEPTANE	3.168	3.824	-20.7	110	0.00	9.49
65		METHYL METHACRYLATE	0.289	0.321	-11.1	107	0.00	9.52
66		METHYL ISOBUTYL KETONE	0.237	0.276	-16.5	107	0.00	10.12
67		cis-1,3-DICHLOROPROPENE	0.483	0.523	-8.3	108	0.00	10.11
68		TOLUENE	0.593	0.625	-5.4	108	0.00	11.03
69		trans-1,3-DICHLOROPROPENE	0.354	0.400	-13.0	108	0.00	10.62
70		1,1,2-TRICHLOROETHANE	0.307	0.324	-5.5	109	0.00	10.77
71	I	CHLOROBENZENE-D5	1.000	1.000	0.0	106	0.00	12.83
72		2-HEXANONE	0.645	0.729	-13.0	107	0.00	11.31
73		ETHYL METHACRYLATE	0.950	1.028	-8.2	106	0.00	11.34
74		TETRACHLOROETHYLENE	0.841	0.809	3.8	108	0.00	12.15
75		DIBROMOCHLOROMETHANE	1.235	1.272	-3.0	112	0.00	11.46
76		1,2-DIBROMOETHANE	0.947	1.002	-5.8	109	0.00	11.66
77		OCTANE	1.420	1.612	-13.5	114	0.00	11.96
78		1,1,1,2-TETRACHLOROETHANE	0.876	0.924	-5.5	109	0.00	12.85
79		CHLOROBENZENE	1.522	1.520	0.1	105	0.00	12.87
80		ETHYLBENZENE	2.563	2.621	-2.3	108	0.00	13.25
81		m,p-XYLENE	0.961	0.980	-2.0	106	0.00	13.44
82		o-XYLENE	0.935	0.961	-2.8	108	0.00	13.94
83		STYRENE	1.268	1.374	-8.4	106	0.00	13.84
84		NONANE	1.333	1.537	-15.3	110	0.00	14.15
85		BROMOFORM	1.179	1.258	-6.7	110	0.00	13.53
86	S	4-BROMOFLUOROBENZENE	0.974	1.101	-13.0	106	0.00	14.46
87		1,1,2,2-TETRACHLOROETHANE	1.486	1.563	-5.2	109	0.00	13.96
88		1,2,3-TRICHLOROPROPANE	1.103	1.145	-3.8	107	0.00	14.09
89		ISOPROPYLBENZENE	2.658	2.849	-7.2	109	0.00	14.59
90		BROMOBENZENE	1.285	1.319	-2.6	110	0.00	14.70
91		2-CHLOROTOLUENE	0.637	0.687	-7.8	108	0.00	15.14
92		n-PROPYLBENZENE	0.642	0.714	-11.2	108	0.00	15.18
93		4-ETHYLTOLUENE	2.136	2.463	-15.3	109	0.00	15.35
94		1,3,5-TRIMETHYLBENZENE	1.948	2.173	-11.6	109	0.00	15.45
95		ALPHA-METHYLSTYRENE	0.904	1.016	-12.4	106	0.00	15.67
96		tert-BUTYLBENZENE	0.452	0.494	-9.3	107	0.00	15.94
97		1,2,4-TRIMETHYLBENZENE	1.821	2.071	-13.7	109	0.00	15.95
98		m-DICHLOROBENZENE	1.087	1.186	-9.1	107	0.00	16.14
99		BENZYL CHLORIDE	1.362	1.480	-8.7	108	0.00	16.15
100		p-DICHLOROBENZENE	1.115	1.189	-6.6	108	0.00	16.23

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V3W1930-CC1928
Lab FileID: 3W50816.D

101	sec-BUTYLBENZENE	0.518	0.572	-10.4	106	0.00	16.29
102	p-ISOPROPYLTOLUENE	0.552	0.619	-12.1	107	0.00	16.49
103	o-DICHLOROBENZENE	1.076	1.166	-8.4	109	0.00	16.67
104	n-BUTYLBENZENE	0.431	0.468	-8.6	105	0.00	17.02
105	HEXACHLOROETHANE	0.899	0.947	-5.3	109	0.00	17.49
106	HEXACHLOROBUTADIENE	0.645	0.604	6.4	103	0.00	19.35
107	1,2,4-TRICHLOROBENZENE	0.381	0.351	7.9	108	0.00	18.77
108	NAPHTHALENE	0.771	0.724	6.1	110	0.00	18.91

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3W50751.D M3W1928.M Wed Nov 04 16:21:06 2015 MS3W

6.9.4

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Initial Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V5W534-ICC534
Lab FileID: 5W13509.D

Response Factor Report GCMS5W

Method Path : C:\msdchem\1\METHODS\
Method File : m5w534.M
Title : TO-15 Full Scan Mode
Last Update : Wed Aug 26 08:50:55 2015
Response Via : Initial Calibration

Calibration Files
20 =5w13513.D 30 =5w13518.D 0.5 =5w13511.D 0.2 =5w13512.D 0.1 =5w13516.D 0.04=5w13517.D 10 =5w13509.D
5 =5w13510.D 40 =5w13520.D 15 =5w13514.D

	Compound	20	30	0.5	0.2	0.1	0.04	10	5	40	15	Avg	%RSD
1) I	Bromochloromethane	----------ISTD----------											
2)	1,1,1-Trifluor...	2.935	2.433	3.163	3.546	3.015	3.617	3.120	2.987	2.248	3.000	3.006	14.07
3)	Freon 152A	0.633	0.641	0.668	0.698	0.656	0.712	0.642	0.622	0.624	0.616	0.651	5.04
4)	Chlorodifluoro...	0.239	0.261	0.277	0.300	0.257		0.261	0.247	0.260	0.254	0.262	6.76
5)	Propene	0.768	0.798	0.929	1.044			0.813	0.765	0.767	0.761	0.831	12.37
6)	Dichlorodifluo...	2.527	2.666	2.702	2.876	2.646	2.999	2.630	2.513	2.616	2.593	2.677	5.67
7)	1-Chloro-1,1-d...	1.738	1.877	1.929	1.968	1.951	2.307	1.909	1.786	1.863	1.842	1.917	8.07
8)	Chloromethane	0.959	0.956	1.009	1.138	1.003	1.243	0.980	0.944	0.921	0.921	1.008	10.32
9)	Dichlorotetraf...	2.709	2.778	2.778	2.962	2.761	3.185	2.742	2.640	2.737	2.685	2.798	5.73
10)	Vinyl Chloride	1.081	1.070	1.096	1.145	0.994	1.064	1.096	1.038	1.051	1.037	1.067	3.87
11)	1,3-Butadiene	0.807	0.784	0.801	0.861	0.749	0.810	0.812	0.771	0.781	0.767	0.794	3.96
12)	n-Butane	0.171	0.168	0.173	0.171	0.141		0.174	0.166	0.167	0.162	0.166	5.99
13)	Bromomethane	0.986	0.992	1.008	1.114	1.043	1.274	0.976	0.927	0.973	0.959	1.025	9.88
14)	Chloroethane	0.521	0.509	0.531	0.573	0.451	0.478	0.519	0.499	0.501	0.497	0.508	6.38
15)	Dichlorofluoro...	2.430	2.387	2.469	2.687	2.474	2.853	2.426	2.304	2.330	2.336	2.470	7.01
16)	Acetonitrile	0.890	0.883	0.892	1.028			0.917	0.850	0.861	0.850	0.896	6.45
17)	Freon 123	2.520	2.559	2.593	2.831	2.566	2.943	2.601	2.485	2.528	2.509	2.614	5.78
18)	Freon 123A	1.304	1.348	1.349	1.394	1.307	1.361	1.369	1.303	1.338	1.326	1.340	2.27
19)	Bromoethene	0.953	0.973	0.963	1.012	0.985	0.949	0.971	0.910	0.960	0.948	0.962	2.77
20)	Trichlorofluor...	2.445	2.476	2.560	2.650	2.538	2.906	2.498	2.402	2.462	2.467	2.540	5.75
21)	Acetone	0.487	0.491	0.514	0.582	0.536		0.513	0.485	0.471	0.471	0.506	7.07
22)	Pentane	0.273	0.273	0.279	0.303	0.243		0.287	0.271	0.270	0.266	0.274	5.87
23)	1,1-Dichloro-1...	2.240	2.312	2.385	2.522	2.406	2.644	2.356	2.234	2.294	2.296	2.369	5.45
24)	Iodomethane	2.473	2.603	2.651	2.741	2.676	2.892	2.621	2.507	2.620	2.615	2.640	4.44
25)	Isopropyl Alcohol	0.350	0.363	0.412	0.423			0.367	0.347	0.349	0.355	0.371	8.08
26)	1,1-Dichloroet...	1.708	1.806	1.839	1.905	1.746	1.869	1.853	1.739	1.773	1.771	1.801	3.56
27)	Freon 113	2.058	2.215	2.227	2.360	2.125	2.376	2.188	2.126	2.185	2.171	2.203	4.54
28)	Methylene Chlo...	0.918	0.952	0.947	1.008	0.907	1.033	0.955	0.929	0.940	0.927	0.951	4.17
29)	Carbon Disulfide	3.005	3.128	3.100	3.217	2.876	3.327	3.174	3.060	3.065	3.057	3.101	3.95
30)	Ethanol	0.465	0.450	0.621				0.462	0.436	0.428	0.441	0.472	14.21
31)	Acrylonitrile	0.842	0.830	0.760	0.787	0.669	0.646	0.864	0.806	0.822	0.805	0.783	9.24
32)	3-Chloropropene	0.470	0.495	0.494	0.504	0.426	0.415	0.504	0.484	0.494	0.489	0.477	6.65
33)	trans-1,2-Dich...	1.615	1.612	1.552	1.583	1.515	1.578	1.637	1.550	1.581	1.570	1.579	2.26
34)	tert-Butyl Alc...	2.397	2.530	2.498	2.542	2.263	2.192	2.655	2.439	2.473	2.565	2.455	5.71
35)	Methyl tert-Bu...	2.894	2.940	3.013	3.104	2.867	3.253	3.095	2.914	2.929	2.929	2.994	4.07
36)	Vinyl Acetate	2.880	3.015	2.887	3.409	2.917	3.596	3.140	2.911	2.986	2.938	3.068	8.00
37)	1,1-Dichloroet...	2.006	2.040	2.091	2.256	2.075	2.324	2.142	2.009	2.015	2.004	2.096	5.37
38)	2-Butanone	0.521	0.531	0.484	0.498			0.554	0.506	0.526	0.518	0.517	4.15
39)	Hexane	1.708	1.719	1.757	1.899	1.675	1.861	1.792	1.664	1.696	1.666	1.744	4.74
40)	cis-1,2-Dichlo...	1.557	1.563	1.564	1.582	1.475	1.564	1.620	1.509	1.545	1.525	1.550	2.60
41)	Di-isopropyl E...	0.862	0.882	0.866	0.906	0.753	0.768	0.914	0.847	0.882	0.860	0.854	6.27
42)	Ethyl Acetate	0.388	0.390	0.376	0.396	0.300		0.403	0.376	0.382	0.378	0.377	7.99
43)	Methyl Acrylate	2.210	2.220	2.117	2.068	1.789	1.779	2.279	2.132	2.187	2.146	2.093	8.27
44)	Chloroform	2.247	2.343	2.399	2.493	2.355	2.640	2.425	2.274	2.306	2.318	2.380	4.91
45)	2,4-Dimethylpe...	2.007	2.039	2.100	2.217	1.997	2.184	2.143	1.984	2.011	2.003	2.069	4.16

Initial Calibration Summary

Job Number: JC7272 **Sample:** V5W534-ICC534
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 5W13509.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

46)		Tetrahydrofuran	0.521	0.527	0.506	0.501	0.415		0.551	0.512	0.519	0.516	0.507	7.43
47)		1,1,1-Trichlor...	2.011	2.279	2.320	2.401	2.180	2.446	2.310	2.200	2.256	2.228	2.263	5.39
48)		1,2-Dichloroet...	1.376	1.507	1.494	1.494	1.413	1.488	1.508	1.437	1.478	1.476	1.467	3.01
49)		Benzene	3.478	3.366	3.440	3.587	3.374	3.880	3.517	3.303	3.326	3.322	3.459	5.05
50)		Carbon Tetrach...	2.407	2.352	2.277	2.367	2.143	2.330	2.378	2.242	2.351	2.318	2.317	3.35
51)		Cyclohexane	1.773	1.714	1.766	1.942	1.721	1.852	1.792	1.687	1.693	1.678	1.762	4.74
52)		2,3-Dimethylpe...	0.722	0.730	0.741	0.774	0.685	0.678	0.745	0.710	0.726	0.718	0.723	3.90
53)	I	1,4-Difluorobenzene	----------ISTD----------											
54)		2,2,4-Trimethy...	1.489	1.505	1.474	1.470	1.425	1.527	1.581	1.447	1.475	1.464	1.486	2.96
55)		Heptane	0.285	0.290	0.284	0.280	0.269	0.271	0.302	0.276	0.289	0.281	0.283	3.38
56)		Trichloroethene	0.400	0.408	0.399	0.413	0.394	0.465	0.412	0.380	0.408	0.397	0.408	5.53
57)		1,2-Dichloropr...	0.353	0.362	0.353	0.368	0.340	0.374	0.371	0.339	0.359	0.346	0.356	3.48
58)		Dibromomethane	0.315	0.326	0.315	0.318	0.305	0.342	0.320	0.299	0.329	0.318	0.319	3.78
59)		Ethyl Acrylate	0.709	0.723	0.677	0.661	0.564	0.630	0.747	0.677	0.720	0.692	0.680	7.77
60)		Methyl Methacr...	0.322	0.327	0.312	0.308	0.270	0.259	0.339	0.305	0.328	0.316	0.309	8.30
61)		1,4-Dioxane	0.206	0.209	0.189	0.183			0.210	0.192	0.203	0.203	0.199	5.04
62)		Bromodichlorom...	0.679	0.697	0.672	0.678	0.637	0.682	0.706	0.648	0.697	0.673	0.677	3.19
63)		cis-1,3-Dichlo...	0.481	0.577	0.548	0.538	0.525	0.544	0.596	0.545	0.576	0.555	0.549	5.78
64)		4-Methyl-2-pen...	0.253	0.294	0.261	0.243	0.212		0.310	0.279	0.296	0.283	0.270	11.38
65)		trans-1,3-Dich...	0.419	0.502	0.454	0.434	0.403	0.438	0.518	0.463	0.498	0.481	0.461	8.26
66)		Toluene	0.917	1.055	1.041	0.994	1.034	1.191	1.111	1.000	1.036	1.028	1.041	6.93
67)		1,1,2-Trichlor...	0.320	0.374	0.364	0.363	0.341	0.370	0.391	0.351	0.373	0.361	0.361	5.44
68)		2-Hexanone	0.415	0.424	0.361	0.324			0.439	0.390	0.425	0.405	0.398	9.62
69)		Ethyl Methacry...	0.575	0.588	0.520	0.512	0.467	0.435	0.609	0.549	0.585	0.562	0.540	10.40
70)		Dibromochlorom...	0.663	0.682	0.626	0.595	0.632	0.659	0.698	0.632	0.677	0.664	0.653	4.78
71)		Tetrachloroethene	0.457	0.476	0.452	0.468	0.464	0.523	0.471	0.440	0.473	0.459	0.468	4.73
72)		1,2-Dibromoethane	0.579	0.601	0.566	0.561	0.562	0.635	0.598	0.546	0.591	0.573	0.581	4.42
73)		Octane	0.733	0.748	0.723	0.794	0.725	0.829	0.794	0.695	0.734	0.709	0.748	5.75
74)		1,1,1,2-Tetrac...	0.442	0.456	0.432	0.441	0.415	0.465	0.467	0.422	0.445	0.440	0.442	3.86
75)	I	Chlorobenzene-d5	----------ISTD----------											
76)		Chlorobenzene	1.358	1.336	1.504	1.566	1.553	1.708	1.479	1.372	1.294	1.383	1.455	8.89
77)		Ethylbenzene	2.285	2.246	2.510	2.564	2.422	2.688	2.503	2.325	2.176	2.318	2.404	6.69
78)		m,p-Xylene	1.778	1.751	1.905	1.944	1.882	2.111	1.905	1.783	1.680	1.788	1.853	6.65
79)		Styrene	1.332	1.313	1.367	1.297	1.287	1.390	1.444	1.314	1.275	1.349	1.337	3.90
80)		Nonane	1.235	1.208	1.335	1.298	1.331	1.561	1.372	1.218	1.201	1.235	1.299	8.47
81)		o-Xylene	1.818	1.774	1.954	1.881	1.874	2.092	1.963	1.816	1.699	1.865	1.874	5.87
82)		Bromoform	1.075	1.092	1.067	1.055	1.058	1.200	1.152	1.054	1.058	1.091	1.090	4.46
83)		1,1,2,2-Tetrac...	1.504	1.482	1.603	1.590	1.531	1.712	1.627	1.503	1.425	1.531	1.551	5.34
84)		1,2,3-Trichlor...	1.086	1.072	1.193	1.214	1.152	1.297	1.190	1.099	1.051	1.104	1.146	6.75
85)		Isopropylbenzene	2.066	2.414	2.679	2.588	2.545	2.904	2.672	2.496	2.341	2.510	2.521	8.88
86)		Bromobenzene	0.633	0.751	0.825	0.794	0.815	0.956	0.810	0.758	0.741	0.777	0.786	10.35
87)		2-Chlorotoluene	0.517	0.590	0.640	0.643	0.628	0.617	0.637	0.612	0.578	0.607	0.607	6.29
88)		n-Propylbenzene	0.563	0.641	0.689	0.686	0.613	0.604	0.696	0.652	0.636	0.653	0.643	6.50
89)	S	4-Bromofluorob...	1.190	1.164	1.273	1.245	1.263	1.271	1.260	1.269	1.123	0.821	1.188	11.73
90)		4-Ethyltoluene	2.096	2.269	2.442	2.553	2.429	2.663	2.482	2.360	2.246	2.353	2.389	6.81
91)		1,3,5-Trimethy...	1.777	1.961	2.145	2.172	2.062	2.295	2.123	2.009	1.941	2.022	2.051	7.02
92)		alpha-Methylst...	0.920	1.018	1.024	1.000	0.899	0.986	1.079	1.004	1.000	1.025	0.996	5.23
93)		tert-Butylbenzene	0.368	0.398	0.431	0.442	0.387	0.385	0.428	0.394	0.391	0.405	0.403	5.86
94)		1,2,4-Trimethy...	1.870	1.999	2.175	2.179	2.079	2.265	2.179	2.030	1.910	2.082	2.077	6.11
95)		1,3-Dichlorobe...	1.134	1.263	1.405	1.326	1.374	1.522	1.314	1.236	1.241	1.282	1.310	8.16
96)		Benzyl Chloride	1.737	1.922	1.894	1.785	1.784	1.863	2.031	1.875	1.850	1.947	1.869	4.65
97)		1,4-Dichlorobe...	1.129	1.275	1.384	1.334	1.440	1.543	1.311	1.242	1.265	1.280	1.320	8.68
98)		sec-Butylbenzene	0.460	0.516	0.554	0.557	0.506	0.516	0.546	0.502	0.512	0.519	0.519	5.50
99)		p-Isopropyltol...	0.507	0.568	0.614	0.592	0.531	0.562	0.618	0.568	0.556	0.584	0.570	6.05
100)		1,2-Dichlorobe...	1.045	1.197	1.281	1.252	1.257	1.414	1.286	1.171	1.190	1.215	1.231	7.74
101)		n-Butylbenzene	0.465	0.531	0.538	0.517	0.457	0.465	0.561	0.507	0.531	0.524	0.510	6.98
102)		Hexachloroethane	0.632	0.715	0.700	0.708	0.652	0.712	0.770	0.684	0.716	0.698	0.699	5.38
103)		1,2,4-Trichlor...	0.585	0.710	0.734	0.630	0.729	0.847	0.714	0.632	0.702	0.689	0.697	10.37

Initial Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V5W534-ICC534
Lab FileID: 5W13509.D

```
104)     Naphthalene       1.327 1.584 1.605 1.365 1.600 1.780 1.601 1.442 1.562 1.554 1.542    8.58
105)     Hexachlorobuta... 0.592 0.716 0.804 0.760 0.801 0.870 0.722 0.664 0.710 0.660 0.730   11.20

106) I   Bromochloromethane... ----------------ISTD---------------------
107)     TVHC as equiv ... 6.790 6.819 6.965 7.268 6.501 8.087 7.121 6.657 6.688 6.685 6.958    6.59
 ---------------------------------------------------------------------------
 (#) = Out of Range

m5w534.M Wed Aug 26 11:24:09 2015 GCMS5W
```

Initial Calibration Verification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V5W534-ICV534
Lab FileID: 5W13522.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\5w13522.D                    Vial: 4
Acq On    : 26 Aug 2015   5:36 am                     Operator: YOUMINH
Sample    : ICV534-10                                 Inst    : GCMS5W
Misc      : MS90117,v5w534,,,,,1                      Multiplr: 1.00
MS Integration Params: Rteint.p

Method       : C:\msdchem\1\METHODS\m5w534.M (RTE Integrator)
Title        : TO-15 Full Scan Mode
Last Update  : Wed Aug 26 08:50:55 2015
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  60%  Max. R.T. Dev  0.33min
Max. RRF Dev :  30%     Max. Rel. Area : 140%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Bromochloromethane	1.000	1.000	0.0	97	0.00	8.53
2	1,1,1-Trifluoroethane		----------NA----------				
3	Freon 152A	0.651	0.683	-4.9	103	0.00	4.09
4	Chlorodifluoromethane	0.262	0.271	-3.4	101	0.00	4.13
5	Propene	0.831	0.828	0.4	99	0.00	4.15
6	Dichlorodifluoromethane	2.677	2.774	-3.6	102	0.00	4.21
7	1-Chloro-1,1-difluoroetha	1.917	1.931	-0.7	98	0.00	4.33
8	Chloromethane	1.008	1.028	-2.0	102	0.00	4.35
9	Dichlorotetrafluoroethane	2.798	2.962	-5.9	105	0.00	4.43
10	Vinyl Chloride	1.067	1.153	-8.1	102	0.00	4.54
11	1,3-Butadiene	0.794	0.837	-5.4	100	0.00	4.65
12	n-Butane	0.166	0.180	-8.4	100	0.00	4.69
13	Bromomethane	1.025	1.061	-3.5	105	0.00	4.88
14	Chloroethane	0.508	0.552	-8.7	103	0.00	5.02
15	Dichlorofluoromethane	2.470	2.558	-3.6	102	0.00	5.10
16	Acetonitrile	0.896	0.942	-5.1	100	0.00	5.33
17	Freon 123	2.614	2.721	-4.1	101	0.00	5.45
18	Freon 123A	1.340	1.424	-6.3	101	0.00	5.50
19	Bromoethene	0.962	1.050	-9.1	105	0.00	5.32
20	Trichlorofluoromethane	2.540	2.610	-2.8	101	0.00	5.69
21	Acetone	0.506	0.524	-3.6	99	0.00	5.55
22	Pentane	0.274	0.284	-3.6	96	0.00	6.00
23	1,1-Dichloro-1-fluoroetha		----------NA----------				
24	Iodomethane	2.640	2.803	-6.2	104	0.00	6.19
25	Isopropyl Alcohol	0.371	0.351	5.4	93	0.00	5.76
26	1,1-Dichloroethene	1.801	1.882	-4.5	98	0.00	6.27
27	Freon 113	2.203	2.369	-7.5	105	0.00	6.62
28	Methylene Chloride	0.951	1.022	-7.5	104	0.00	6.38
29	Carbon Disulfide	3.101	3.340	-7.7	102	0.00	6.66
30	Ethanol	0.472	0.480	-1.7	101	0.00	5.13
31	Acrylonitrile	0.783	0.863	-10.2	97	0.00	5.96
32	3-Chloropropene	0.477	0.525	-10.1	101	0.00	6.49
33	trans-1,2-Dichloroethene	1.579	1.695	-7.3	100	0.00	7.28
34	tert-Butyl Alcohol	2.455	2.680	-9.2	98	0.00	6.30
35	Methyl tert-Butyl Ether	2.994	3.160	-5.5	99	0.00	7.54
36	Vinyl Acetate	3.068	2.704	11.9	83	0.00	7.63
37	1,1-Dichloroethane	2.096	2.183	-4.2	99	0.00	7.48
38	2-Butanone	0.517	0.562	-8.7	98	0.00	7.89
39	Hexane	1.744	1.820	-4.4	98	0.00	8.54
40	cis-1,2-Dichloroethene	1.550	1.655	-6.8	99	0.00	8.35
41	Di-isopropyl Ether	0.854	0.928	-8.7	98	0.00	8.55
42	Ethyl Acetate	0.377	0.413	-9.5	99	0.00	8.59

Initial Calibration Verification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V5W534-ICV534
Lab FileID: 5W13522.D

43		Methyl Acrylate	2.093	2.307	-10.2	98	0.00	8.58
44		Chloroform	2.380	2.475	-4.0	99	0.00	8.66
45		2,4-Dimethylpentane	2.069	2.076	-0.3	94	0.00	9.51
46		Tetrahydrofuran	0.507	0.566	-11.6	99	0.00	9.11
47		1,1,1-Trichloroethane	2.263	2.301	-1.7	97	0.00	9.74
48		1,2-Dichloroethane	1.467	1.361	7.2	87	0.00	9.47
49		Benzene	3.459	3.553	-2.7	98	0.00	10.27
50		Carbon Tetrachloride	2.317	2.491	-7.5	102	0.00	10.44
51		Cyclohexane	1.762	1.816	-3.1	98	0.00	10.57
52		2,3-Dimethylpentane	0.723	0.772	-6.8	100	0.00	10.85
53	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00	10.68
54		2,2,4-Trimethylpentane	1.486	1.582	-6.5	100	0.00	11.53
55		Heptane	0.283	0.306	-8.1	102	0.00	11.86
56		Trichloroethene	0.408	0.426	-4.4	104	0.00	11.51
57		1,2-Dichloropropane	0.356	0.384	-7.9	104	0.00	11.22
58		Dibromomethane	0.319	0.344	-7.8	108	0.00	11.20
59		Ethyl Acrylate	0.680	0.756	-11.2	102	0.00	11.25
60		Methyl Methacrylate	0.309	0.345	-11.7	102	0.00	11.77
61		1,4-Dioxane	0.199	0.225	-13.1	108	0.00	11.53
62		Bromodichloromethane	0.677	0.727	-7.4	103	0.00	11.46
63		cis-1,3-Dichloropropene	0.549	0.571	-4.0	96	0.00	12.57
64		4-Methyl-2-pentanone	0.270	0.310	-14.8	101	0.00	12.62
65		trans-1,3-Dichloropropene	0.461	0.520	-12.8	101	0.00	13.24
66		Toluene	1.041	1.111	-6.7	100	0.00	13.80
67		1,1,2-Trichloroethane	0.361	0.394	-9.1	101	0.00	13.45
68		2-Hexanone	0.398	0.445	-11.8	102	0.00	14.17
69		Ethyl Methacrylate	0.540	0.617	-14.3	102	0.00	14.20
70		Dibromochloromethane	0.653	0.723	-10.7	104	0.00	14.36
71		Tetrachloroethene	0.468	0.508	-8.5	108	0.00	15.31
72		1,2-Dibromoethane	0.581	0.627	-7.9	105	0.00	14.68
73		Octane	0.748	0.767	-2.5	97	0.00	15.13
74		1,1,1,2-Tetrachloroethane	0.442	0.478	-8.1	103	0.00	16.23
75	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00	16.19
76		Chlorobenzene	1.455	1.518	-4.3	101	0.00	16.25
77		Ethylbenzene	2.404	2.580	-7.3	102	0.00	16.79
78		m,p-Xylene	1.853	1.986	-7.2	103	0.00	17.06
79		Styrene	1.337	1.501	-12.3	103	0.00	17.58
80		Nonane	1.299	1.380	-6.2	99	0.00	18.10
81		o-Xylene	1.874	2.061	-10.0	104	0.00	17.73
82		Bromoform	1.090	1.239	-13.7	106	0.00	17.14
83		1,1,2,2-Tetrachloroethane	1.551	1.690	-9.0	102	0.00	17.73
84		1,2,3-Trichloropropane	1.146	1.233	-7.6	102	0.00	17.92
85		Isopropylbenzene	2.521	2.757	-9.4	102	0.00	18.64
86		Bromobenzene	0.786	0.854	-8.7	104	0.00	18.75
87		2-Chlorotoluene	0.607	0.684	-12.7	106	0.00	19.34
88		n-Propylbenzene	0.643	0.734	-14.2	104	0.00	19.40
89	S	4-Bromofluorobenzene	1.188	1.255	-5.6	98	0.00	18.42
90		4-Ethyltoluene	2.389	2.614	-9.4	104	0.00	19.62
91		1,3,5-Trimethylbenzene	2.051	2.255	-9.9	105	0.00	19.74
92		alpha-Methylstyrene	0.996	1.128	-13.3	103	0.00	19.96
93		tert-Butylbenzene	0.403	0.444	-10.2	102	0.00	20.30
94		1,2,4-Trimethylbenzene	2.077	2.275	-9.5	103	0.00	20.31
95		1,3-Dichlorobenzene	1.310	1.415	-8.0	106	0.00	20.50
96		Benzyl Chloride	1.869	2.145	-14.8	104	0.00	20.49
97		1,4-Dichlorobenzene	1.320	1.401	-6.1	105	0.00	20.60
98		sec-Butylbenzene	0.519	0.557	-7.3	101	0.00	20.67
99		p-Isopropyltoluene	0.570	0.640	-12.3	102	0.00	20.90
100		1,2-Dichlorobenzene	1.231	1.365	-10.9	105	0.00	21.06

Initial Calibration Verification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V5W534-ICV534
Lab FileID: 5W13522.D

101		n-Butylbenzene	0.510	0.575	-12.7	101	0.00	21.46
102		Hexachloroethane	0.699	0.777	-11.2	100	0.00	21.93
103		1,2,4-Trichlorobenzene	0.697	0.855	-22.7	118	0.00	23.24
104		Naphthalene	1.542	1.964	-27.4	121	0.00	23.36
105		Hexachlorobutadiene	0.730	0.780	-6.8	107	0.00	23.81
106	I	Bromochloromethane (A)	1.000	1.000	0.0	97	0.00	8.53
107		TVHC as equiv Pentane	6.958	7.002	-0.6	95	0.00	5.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w13509.D m5w534.M Wed Aug 26 11:23:51 2015 GCMS5W

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V5W564-CC534
Lab FileID: 5W14133.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\5w14133.D Vial: 2
Acq On : 2 Oct 2015 10:31 am Operator: YOUMINH
Sample : CC534-10 Inst : GCMS5W
Misc : MS91996,v5w564,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\METHODS\m5w534.M (RTE Integrator)
Title : TO-15 Full Scan Mode
Last Update : Wed Aug 26 08:50:55 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Bromochloromethane	1.000	1.000	0.0	103	-0.02	8.50
2	1,1,1-Trifluoroethane		----------NA----------				
3	Freon 152A	0.651	0.775	-19.0	125	0.00	4.08
4	Chlorodifluoromethane	0.262	0.296	-13.0	117	0.00	4.12
5	Propene	0.831	1.003	-20.7	128	0.00	4.14
6	Dichlorodifluoromethane	2.677	3.023	-12.9	119	0.00	4.20
7	1-Chloro-1,1-difluoroetha		----------NA----------				
8	Chloromethane	1.008	1.238	-22.8	131	0.00	4.34
9	Dichlorotetrafluoroethane	2.798	3.231	-15.5	122	0.00	4.42
10	Vinyl Chloride	1.067	1.355	-27.0	128	0.00	4.52
11	1,3-Butadiene	0.794	0.991	-24.8	126	-0.01	4.63
12	n-Butane	0.166	0.213	-28.3	127	0.00	4.68
13	Bromomethane	1.025	1.135	-10.7	120	-0.01	4.87
14	Chloroethane	0.508	0.638	-25.6	127	0.00	5.01
15	Dichlorofluoromethane	2.470	2.931	-18.7	125	-0.01	5.09
16	Acetonitrile	0.896	1.096	-22.3	124	-0.01	5.31
17	Freon 123	2.614	2.991	-14.4	119	-0.01	5.43
18	Freon 123A	1.340	1.458	-8.8	110	-0.01	5.48
19	Bromoethene	0.962	1.059	-10.1	113	-0.01	5.31
20	Trichlorofluoromethane	2.540	2.765	-8.9	115	-0.01	5.67
21	Acetone	0.506	0.602	-19.0	121	-0.01	5.53
22	Pentane	0.274	0.315	-15.0	113	-0.02	5.97
23	1,1-Dichloro-1-fluoroetha		----------NA----------				
24	Iodomethane	2.640	2.722	-3.1	107	-0.02	6.18
25	Isopropyl Alcohol	0.371	0.416	-12.1	117	-0.01	5.75
26	1,1-Dichloroethene	1.801	2.040	-13.3	114	-0.01	6.25
27	Freon 113	2.203	2.389	-8.4	113	-0.02	6.60
28	Methylene Chloride	0.951	1.066	-12.1	115	-0.02	6.36
29	Carbon Disulfide	3.101	3.588	-15.7	117	-0.02	6.64
30	Ethanol	0.472	0.570	-20.8	128	0.00	5.12
31	Acrylonitrile	0.783	0.952	-21.6	114	-0.01	5.95
32	3-Chloropropene	0.477	0.551	-15.5	113	-0.02	6.47
33	trans-1,2-Dichloroethene	1.579	1.764	-11.7	111	-0.02	7.25
34	tert-Butyl Alcohol	2.455	2.770	-12.8	108	-0.01	6.28
35	Methyl tert-Butyl Ether	2.994	3.176	-6.1	106	-0.02	7.51
36	Vinyl Acetate	3.068	3.309	-7.9	109	-0.02	7.61
37	1,1-Dichloroethane	2.096	2.317	-10.5	112	-0.02	7.45
38	2-Butanone	0.517	0.580	-12.2	108	-0.02	7.86
39	Hexane	1.744	1.951	-11.9	113	-0.02	8.52
40	cis-1,2-Dichloroethene	1.550	1.719	-10.9	110	-0.02	8.32
41	Di-isopropyl Ether	0.854	0.948	-11.0	107	-0.03	8.52
42	Ethyl Acetate	0.377	0.431	-14.3	111	-0.02	8.56

Continuing Calibration Summary

Job Number: JC7272 **Sample:** V5W564-CC534
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 5W14133.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

43		Methyl Acrylate	2.093	2.423	-15.8	110	-0.03	8.55
44		Chloroform	2.380	2.543	-6.8	108	-0.02	8.63
45		2,4-Dimethylpentane	2.069	2.294	-10.9	111	-0.03	9.48
46		Tetrahydrofuran	0.507	0.575	-13.4	108	-0.03	9.07
47		1,1,1-Trichloroethane	2.263	2.369	-4.7	106	-0.03	9.71
48		1,2-Dichloroethane	1.467	1.555	-6.0	107	-0.02	9.44
49		Benzene	3.459	3.638	-5.2	107	-0.03	10.24
50		Carbon Tetrachloride	2.317	2.408	-3.9	105	-0.03	10.40
51		Cyclohexane	1.762	1.898	-7.7	110	-0.04	10.53
52		2,3-Dimethylpentane	0.723	0.797	-10.2	111	-0.03	10.81
53	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	-0.03	10.65
54		2,2,4-Trimethylpentane	1.486	1.733	-16.6	114	-0.04	11.49
55		Heptane	0.283	0.324	-14.5	111	-0.03	11.83
56		Trichloroethene	0.408	0.436	-6.9	110	-0.03	11.47
57		1,2-Dichloropropane	0.356	0.407	-14.3	114	-0.03	11.19
58		Dibromomethane	0.319	0.324	-1.6	105	-0.03	11.17
59		Ethyl Acrylate	0.680	0.777	-14.3	108	-0.04	11.21
60		Methyl Methacrylate	0.309	0.353	-14.2	108	-0.04	11.74
61		1,4-Dioxane	0.199	0.228	-14.6	113	-0.04	11.49
62		Bromodichloromethane	0.677	0.741	-9.5	109	-0.03	11.43
63		cis-1,3-Dichloropropene	0.549	0.618	-12.6	107	-0.04	12.54
64		4-Methyl-2-pentanone	0.270	0.328	-21.5	110	-0.04	12.58
65		trans-1,3-Dichloropropene	0.461	0.514	-11.5	103	-0.04	13.20
66		Toluene	1.041	1.117	-7.3	104	-0.03	13.77
67		1,1,2-Trichloroethane	0.361	0.399	-10.5	106	-0.04	13.42
68		2-Hexanone	0.398	0.455	-14.3	107	-0.04	14.13
69		Ethyl Methacrylate	0.540	0.617	-14.3	105	-0.04	14.16
70		Dibromochloromethane	0.653	0.712	-9.0	106	-0.04	14.32
71		Tetrachloroethene	0.468	0.473	-1.1	104	-0.04	15.27
72		1,2-Dibromoethane	0.581	0.614	-5.7	106	-0.04	14.64
73		Octane	0.748	0.823	-10.0	107	-0.04	15.09
74		1,1,1,2-Tetrachloroethane	0.442	0.473	-7.0	105	-0.04	16.19
75	I	Chlorobenzene-d5	1.000	1.000	0.0	105	-0.04	16.15
76		Chlorobenzene	1.455	1.436	1.3	102	-0.04	16.21
77		Ethylbenzene	2.404	2.446	-1.7	103	-0.04	16.75
78		m,p-Xylene	1.853	1.886	-1.8	104	-0.04	17.02
79		Styrene	1.337	1.354	-1.3	99	-0.04	17.54
80		Nonane	1.299	1.429	-10.0	110	-0.04	18.06
81		o-Xylene	1.874	1.965	-4.9	106	-0.04	17.69
82		Bromoform	1.090	1.092	-0.2	100	-0.04	17.10
83		1,1,2,2-Tetrachloroethane	1.551	1.689	-8.9	109	-0.04	17.69
84		1,2,3-Trichloropropane	1.146	1.178	-2.8	104	-0.04	17.88
85		Isopropylbenzene	2.521	2.616	-3.8	103	-0.04	18.60
86		Bromobenzene	0.786	0.759	3.4	99	-0.04	18.71
87		2-Chlorotoluene	0.607	0.603	0.7	100	-0.04	19.30
88		n-Propylbenzene	0.643	0.661	-2.8	100	-0.03	19.37
89	S	4-Bromofluorobenzene	1.188	1.204	-1.3	101	-0.04	18.39
90		4-Ethyltoluene	2.389	2.437	-2.0	104	-0.03	19.59
91		1,3,5-Trimethylbenzene	2.051	2.050	0.0	102	-0.03	19.71
92		alpha-Methylstyrene	0.996	1.011	-1.5	99	-0.04	19.93
93		tert-Butylbenzene	0.403	0.415	-3.0	102	-0.03	20.27
94		1,2,4-Trimethylbenzene	2.077	2.163	-4.1	105	-0.03	20.28
95		1,3-Dichlorobenzene	1.310	1.271	3.0	102	-0.03	20.47
96		Benzyl Chloride	1.869	1.997	-6.8	104	-0.03	20.46
97		1,4-Dichlorobenzene	1.320	1.240	6.1	100	-0.03	20.57
98		sec-Butylbenzene	0.519	0.519	0.0	100	-0.03	20.65
99		p-Isopropyltoluene	0.570	0.595	-4.4	102	-0.02	20.88
100		1,2-Dichlorobenzene	1.231	1.188	3.5	97	-0.02	21.03

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V5W564-CC534
Lab FileID: 5W14133.D

101		n-Butylbenzene	0.510	0.510	0.0	96	-0.02	21.44
102		Hexachloroethane	0.699	0.703	-0.6	96	-0.02	21.90
103		1,2,4-Trichlorobenzene	0.697	0.570	18.2	84	-0.02	23.21
104		Naphthalene	1.542	1.322	14.3	87	-0.02	23.34
105		Hexachlorobutadiene	0.730	0.621	14.9	91	-0.02	23.79
106	I	Bromochloromethane (A)	1.000	1.000	0.0	103	-0.02	8.50
107		TVHC as equiv Pentane	6.958	7.792	-12.0	113	-0.01	5.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w13509.D m5w534.M Wed Oct 07 09:41:44 2015 GCMS5W

6.9.7

6

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: V5W565-CC534
Lab FileID: 5W14154.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\5w14154.D                    Vial: 2
Acq On    :  5 Oct 2015   8:50 am                     Operator: YOUMINH
Sample    : CC534-10                                  Inst    : GCMS5W
Misc      : MS92139,v5w565,,,,,1                      Multiplr: 1.00
MS Integration Params: Rteint.p

Method       : C:\msdchem\1\METHODS\m5w534.M (RTE Integrator)
Title        : TO-15 Full Scan Mode
Last Update  : Wed Aug 26 08:50:55 2015
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  60%  Max. R.T. Dev  0.33min
Max. RRF Dev :  30%     Max. Rel. Area : 140%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Bromochloromethane	1.000	1.000	0.0	103	-0.03	8.49
2	1,1,1-Trifluoroethane		----------NA----------				
3	Freon 152A	0.651	0.649	0.3	104	0.00	4.08
4	Chlorodifluoromethane	0.262	0.246	6.1	97	0.00	4.12
5	Propene	0.831	0.769	7.5	98	0.00	4.14
6	Dichlorodifluoromethane	2.677	2.625	1.9	103	0.00	4.20
7	1-Chloro-1,1-difluoroetha		----------NA----------				
8	Chloromethane	1.008	0.981	2.7	104	0.00	4.35
9	Dichlorotetrafluoroethane	2.798	2.908	-3.9	110	0.00	4.43
10	Vinyl Chloride	1.067	1.131	-6.0	107	0.00	4.53
11	1,3-Butadiene	0.794	0.821	-3.4	105	0.00	4.64
12	n-Butane	0.166	0.179	-7.8	106	0.00	4.68
13	Bromomethane	1.025	1.045	-2.0	111	0.00	4.87
14	Chloroethane	0.508	0.540	-6.3	108	0.00	5.01
15	Dichlorofluoromethane	2.470	2.520	-2.0	107	-0.01	5.09
16	Acetonitrile	0.896	0.879	1.9	99	-0.01	5.31
17	Freon 123	2.614	2.723	-4.2	108	-0.01	5.43
18	Freon 123A	1.340	1.390	-3.7	105	-0.01	5.48
19	Bromoethene	0.962	1.002	-4.2	107	-0.01	5.31
20	Trichlorofluoromethane	2.540	2.572	-1.3	107	-0.01	5.67
21	Acetone	0.506	0.521	-3.0	105	-0.02	5.53
22	Pentane	0.274	0.265	3.3	96	-0.02	5.97
23	1,1-Dichloro-1-fluoroetha		----------NA----------				
24	Iodomethane	2.640	2.605	1.3	103	-0.02	6.18
25	Isopropyl Alcohol	0.371	0.345	7.0	97	-0.01	5.75
26	1,1-Dichloroethene	1.801	1.745	3.1	97	-0.02	6.24
27	Freon 113	2.203	2.191	0.5	104	-0.02	6.60
28	Methylene Chloride	0.951	0.960	-0.9	104	-0.02	6.36
29	Carbon Disulfide	3.101	3.171	-2.3	103	-0.02	6.64
30	Ethanol	0.472	0.454	3.8	102	0.00	5.12
31	Acrylonitrile	0.783	0.802	-2.4	96	-0.02	5.94
32	3-Chloropropene	0.477	0.487	-2.1	100	-0.02	6.47
33	trans-1,2-Dichloroethene	1.579	1.523	3.5	96	-0.02	7.25
34	tert-Butyl Alcohol	2.455	2.424	1.3	94	-0.02	6.28
35	Methyl tert-Butyl Ether	2.994	2.776	7.3	93	-0.03	7.50
36	Vinyl Acetate	3.068	2.754	10.2	91	-0.02	7.61
37	1,1-Dichloroethane	2.096	2.003	4.4	97	-0.02	7.45
38	2-Butanone	0.517	0.507	1.9	95	-0.03	7.86
39	Hexane	1.744	1.636	6.2	94	-0.03	8.51
40	cis-1,2-Dichloroethene	1.550	1.456	6.1	93	-0.03	8.32
41	Di-isopropyl Ether	0.854	0.853	0.1	97	-0.03	8.52
42	Ethyl Acetate	0.377	0.366	2.9	94	-0.03	8.55

Continuing Calibration Summary

Job Number: JC7272 **Sample:** V5W565-CC534
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 5W14154.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

43		Methyl Acrylate	2.093	2.055	1.8	93	-0.04	8.54
44		Chloroform	2.380	2.273	4.5	97	-0.03	8.63
45		2,4-Dimethylpentane	2.069	1.932	6.6	93	-0.03	9.48
46		Tetrahydrofuran	0.507	0.497	2.0	93	-0.04	9.07
47		1,1,1-Trichloroethane	2.263	2.158	4.6	97	-0.04	9.70
48		1,2-Dichloroethane	1.467	1.372	6.5	94	-0.03	9.43
49		Benzene	3.459	3.267	5.6	96	-0.04	10.23
50		Carbon Tetrachloride	2.317	2.239	3.4	97	-0.03	10.40
51		Cyclohexane	1.762	1.614	8.4	93	-0.04	10.53
52		2,3-Dimethylpentane	0.723	0.702	2.9	98	-0.03	10.81
53	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	-0.04	10.65
54		2,2,4-Trimethylpentane	1.486	1.510	-1.6	98	-0.04	11.49
55		Heptane	0.283	0.287	-1.4	97	-0.04	11.82
56		Trichloroethene	0.408	0.404	1.0	100	-0.03	11.47
57		1,2-Dichloropropane	0.356	0.359	-0.8	99	-0.04	11.18
58		Dibromomethane	0.319	0.324	-1.6	104	-0.04	11.16
59		Ethyl Acrylate	0.680	0.668	1.8	92	-0.04	11.20
60		Methyl Methacrylate	0.309	0.309	0.0	93	-0.04	11.73
61		1,4-Dioxane	0.199	0.210	-5.5	103	-0.04	11.49
62		Bromodichloromethane	0.677	0.683	-0.9	99	-0.04	11.42
63		cis-1,3-Dichloropropene	0.549	0.560	-2.0	96	-0.04	12.54
64		4-Methyl-2-pentanone	0.270	0.289	-7.0	96	-0.04	12.57
65		trans-1,3-Dichloropropene	0.461	0.460	0.2	91	-0.04	13.20
66		Toluene	1.041	1.027	1.3	95	-0.04	13.77
67		1,1,2-Trichloroethane	0.361	0.370	-2.5	97	-0.04	13.41
68		2-Hexanone	0.398	0.398	0.0	93	-0.04	14.13
69		Ethyl Methacrylate	0.540	0.553	-2.4	93	-0.04	14.16
70		Dibromochloromethane	0.653	0.682	-4.4	100	-0.04	14.32
71		Tetrachloroethene	0.468	0.469	-0.2	102	-0.04	15.27
72		1,2-Dibromoethane	0.581	0.583	-0.3	100	-0.04	14.64
73		Octane	0.748	0.704	5.9	91	-0.04	15.09
74		1,1,1,2-Tetrachloroethane	0.442	0.454	-2.7	99	-0.04	16.18
75	I	Chlorobenzene-d5	1.000	1.000	0.0	100	-0.04	16.15
76		Chlorobenzene	1.455	1.425	2.1	97	-0.04	16.21
77		Ethylbenzene	2.404	2.345	2.5	94	-0.04	16.75
78		m,p-Xylene	1.853	1.803	2.7	95	-0.04	17.02
79		Styrene	1.337	1.331	0.4	92	-0.04	17.54
80		Nonane	1.299	1.286	1.0	94	-0.04	18.06
81		o-Xylene	1.874	1.892	-1.0	97	-0.04	17.69
82		Bromoform	1.090	1.126	-3.3	98	-0.05	17.09
83		1,1,2,2-Tetrachloroethane	1.551	1.629	-5.0	100	-0.04	17.69
84		1,2,3-Trichloropropane	1.146	1.124	1.9	95	-0.04	17.88
85		Isopropylbenzene	2.521	2.559	-1.5	96	-0.04	18.59
86		Bromobenzene	0.786	0.784	0.3	97	-0.04	18.71
87		2-Chlorotoluene	0.607	0.616	-1.5	97	-0.04	19.30
88		n-Propylbenzene	0.643	0.669	-4.0	96	-0.03	19.37
89	S	4-Bromofluorobenzene	1.188	1.241	-4.5	99	-0.04	18.38
90		4-Ethyltoluene	2.389	2.415	-1.1	98	-0.04	19.58
91		1,3,5-Trimethylbenzene	2.051	2.050	0.0	97	-0.03	19.71
92		alpha-Methylstyrene	0.996	1.005	-0.9	93	-0.04	19.93
93		tert-Butylbenzene	0.403	0.421	-4.5	99	-0.04	20.26
94		1,2,4-Trimethylbenzene	2.077	2.128	-2.5	98	-0.04	20.28
95		1,3-Dichlorobenzene	1.310	1.316	-0.5	100	-0.03	20.47
96		Benzyl Chloride	1.869	1.945	-4.1	96	-0.03	20.46
97		1,4-Dichlorobenzene	1.320	1.281	3.0	98	-0.04	20.56
98		sec-Butylbenzene	0.519	0.534	-2.9	98	-0.04	20.64
99		p-Isopropyltoluene	0.570	0.606	-6.3	98	-0.03	20.87
100		1,2-Dichlorobenzene	1.231	1.236	-0.4	96	-0.03	21.02

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: V5W565-CC534
Lab FileID: 5W14154.D

101		n-Butylbenzene	0.510	0.516	-1.2	92	-0.03	21.43
102		Hexachloroethane	0.699	0.745	-6.6	97	-0.03	21.90
103		1,2,4-Trichlorobenzene	0.697	0.577	17.2	81	-0.03	23.21
104		Naphthalene	1.542	1.302	15.6	82	-0.02	23.34
105		Hexachlorobutadiene	0.730	0.625	14.4	87	-0.02	23.78
106	I	Bromochloromethane (A)	1.000	1.000	0.0	103	-0.03	8.49
107		TVHC as equiv Pentane	6.958	6.495	6.7	94	-0.01	5.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w13509.D m5w534.M Wed Oct 07 09:41:46 2015 GCMS5W

Initial Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VW2080-ICC2080
Lab FileID: W52088.D

Response Factor Report MSW

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

Calibration Files
0.04=W52096.D 0.1 =W52095.D 0.2 =W52091.D 0.5 =W52090.D
5 =W52089.D 10 =W52088.D 20 =W52092.D 30 =W52097.D
15 =W52093.D 40 =W52099.D = =

Compound

	0.04	0.1	0.2	0.5	5	10	20	30	15	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------											
2) 1,1,1-TRIFLUOROETHANE											0.000	-1.00
3) FREON 152A	0.833	1.017	0.903	0.973	0.840	0.839	0.812	0.857	0.810		0.876	8.39
4) CHLORODIFLUOROMETHANE		0.303	0.305	0.339	0.291	0.285	0.271	0.290	0.272		0.294	7.42
5) DICHLORODIFLUOROMETHANE	3.463	3.634	3.806	3.450	3.630	3.102	3.025	2.860	3.105	2.862	3.294	10.44
6) PROPYLENE	1.672	1.582	1.472	1.261	1.267	1.093	1.103	1.067	1.100	1.055	1.267	18.15
7) FREON 114	3.587	4.143	4.142	3.858	4.023	3.424	3.298	3.139	3.464	3.183	3.626	10.70
8) 1-CHLORO-1,1-DIFLUOROETHANE											0.000	-1.00
9) CHLOROMETHANE	0.318	0.433	0.400	0.467	0.404	0.389	0.376	0.401	0.376		0.396	10.34
10) VINYL CHLORIDE	1.178	1.606	1.677	1.540	1.684	1.454	1.400	1.343	1.473	1.371	1.473	10.83
11) 1,3-BUTADIENE	0.897	1.274	1.359	1.206	1.326	1.137	1.123	1.088	1.164	1.095	1.167	11.51
12) n-BUTANE		0.333	0.336	0.376	0.321	0.312	0.300	0.327	0.305		0.326	7.36
13) BROMOMETHANE	0.884	1.242	1.375	1.276	1.392	1.180	1.123	1.054	1.196	1.102	1.182	12.90
14) CHLOROETHANE	0.729	0.872	0.809	0.902	0.782	0.758	0.728	0.790	0.747		0.791	7.76
15) DICHLOROFLUOROMETHANE	2.793	3.265	3.289	2.954	3.225	2.828	2.758	2.644	2.861	2.666	2.928	8.39
16) ACROLEIN	0.594	0.644	0.555	0.704	0.622	0.620	0.613	0.628	0.615		0.621	6.40
17) TRICHLOROFLUOROMETHANE	2.824	3.402	3.430	3.118	3.250	2.820	2.718	2.608	2.882	2.665	2.972	10.26
18) ISOPROPYL ALCOHOL	2.958	3.247	2.953	2.643	2.709	2.548	2.499	2.544	2.687	2.586	2.737	8.78
19) ACETONE	0.732	0.919	0.776	0.680	0.779	0.708	0.696	0.668	0.725	0.689	0.737	10.05
20) 1,1-DICHLORO-1-FLUOROETHANE											0.000	-1.00
21) ACRYLONITRILE	0.990	1.013	0.971	1.256	1.138	1.123	1.108	1.129	1.120		1.094	8.13
22) PENTANE	0.470	0.465	0.415	0.448	0.391	0.372	0.370	0.390	0.386		0.412	9.58
23) IODOMETHANE												

Initial Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VW2080-ICC2080
Lab FileID: W52088.D

```
      2.968 3.306 3.434 3.266 3.606 3.152 3.009 2.873 3.088 2.986  3.169    7.32
24)  1,1-DICHLOROETHYLENE
      1.742 1.768 1.643 1.464 1.505 1.310 1.272 1.232 1.308 1.279  1.452   14.05
25)  CARBON DISULFIDE
                  5.278 4.445 4.390 3.760 3.663 3.509 3.762 3.546  4.044   15.20
26)  ETHANOL
                  0.899 0.674 0.628 0.574 0.555 0.557 0.590 0.564  0.630   18.44
27)  ACETONITRILE
                  1.597 1.322 1.305 1.155 1.190 1.178 1.168 1.145  1.257   12.18
28)  BROMOETHENE
      0.904 1.234 1.282 1.268 1.408 1.208 1.118 1.066 1.231 1.133  1.185   11.65
29)  METHYLENE CHLORIDE
      1.090 1.436 1.520 1.375 1.352 1.177 1.126 1.106 1.137 1.107  1.242   12.96
30)  3-CHLOROPROPENE
            0.528 0.664 0.618 0.752 0.669 0.650 0.627 0.665 0.650  0.647    9.06
31)  FREON 113
      1.842 2.322 2.317 2.111 2.357 2.091 2.014 1.939 2.122 2.031  2.115    8.13
32)  TRANS-1,2-DICHLOROETHYLENE
      1.698 1.669 1.513 1.416 1.527 1.327 1.297 1.249 1.323 1.273  1.429   11.49
33)  TERTIARY BUTYL ALCOHOL
      2.337 3.391 3.035 2.845 3.043 2.872 2.736 2.692 3.075 2.983  2.901    9.67
34)  METHYL TERTIARY BUTYL ETHER
      3.370 4.271 3.806 3.519 4.133 3.762 3.662 3.609 3.791 3.719  3.764    7.12
35)  TETRAHYDROFURAN
                  0.465 0.530 0.740 0.679 0.666 0.660 0.686 0.683  0.639   14.43
36)  HEXANE
      2.417 2.604 2.550 2.284 2.576 2.300 2.295 2.273 2.357 2.305  2.396    5.50
37)  VINYL ACETATE
                  0.210 0.270 0.417 0.382 0.375 0.368 0.383 0.381  0.348   20.16
38)  1,1-DICHLOROETHANE
      2.126 2.531 2.636 2.459 2.774 2.456 2.401 2.332 2.465 2.394  2.457    7.05
39)  METHYL ETHYL KETONE
                  0.524 0.525 0.739 0.693 0.681 0.680 0.703 0.703  0.656   12.69
40)  cis-1,2-DICHLOROETHYLENE
      1.546 1.723 1.664 1.516 1.601 1.410 1.370 1.321 1.399 1.342  1.489    9.52
41)  DI-ISOPROPYL ETHER
            1.100 1.110 1.059 1.309 1.199 1.191 1.187 1.226 1.234  1.180    6.57
42)  ETHYL ACETATE
                  0.348 0.374 0.529 0.488 0.486 0.488 0.502 0.497  0.464   14.11
43)  METHYL ACRYLATE
            2.240 2.322 2.263 2.934 2.701 2.726 2.705 2.729 2.728  2.594    9.66
44)  CHLOROFORM
      2.216 2.802 2.780 2.575 2.910 2.558 2.509 2.430 2.567 2.466  2.581    7.87
45)  2,4-DIMETHYLPENTANE
      2.262 2.758 2.799 2.612 2.968 2.655 2.656 2.608 2.711 2.683  2.671    6.71
46)  1,1,1-TRICHLOROETHANE
      2.353 2.695 2.754 2.498 2.839 2.495 2.446 2.374 2.527 2.422  2.540    6.54
47)  CARBON TETRACHLORIDE
      2.337 2.708 2.758 2.514 2.881 2.537 2.507 2.437 2.577 2.481  2.574    6.34
48)  1,2-DICHLOROETHANE
      1.023 1.362 1.461 1.427 1.752 1.555 1.540 1.506 1.540 1.514  1.468   12.70

49) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
50)  BENZENE
      0.794 0.910 0.888 0.835 0.951 0.843 0.835 0.803 0.830 0.807  0.850    6.00
51)  CYCLOHEXANE
            0.465 0.469 0.392 0.427 0.375 0.371 0.359 0.371 0.364  0.399   10.84
52)  2,3-DIMETHYLPENTANE
      0.139 0.179 0.205 0.191 0.220 0.195 0.198 0.193 0.195 0.197  0.191   11.03
53)  TRICHLOROETHYLENE
```

Initial Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VW2080-ICC2080
Lab FileID: W52088.D

```
      0.265 0.331 0.360 0.340 0.389 0.347 0.353 0.345 0.338 0.339  0.341    9.12
54)  DIBROMOMETHANE
      0.205 0.305 0.305 0.298 0.350 0.314 0.311 0.299 0.297 0.292  0.298   12.20
55)  1,2-DICHLOROPROPANE
      0.287 0.317 0.333 0.303 0.349 0.309 0.313 0.308 0.311 0.308  0.314    5.38
56)  ETHYL ACRYLATE
             0.447 0.486 0.492 0.624 0.601 0.609 0.612 0.595 0.619  0.565   12.28
57)  BROMODICHLOROMETHANE
      0.466 0.546 0.596 0.549 0.623 0.554 0.560 0.546 0.544 0.539  0.552    7.35
58)  2,2,4-TRIMETHYLPENTANE
      1.249 1.477 1.514 1.370 1.533 1.389 1.447 1.429 1.399 1.426  1.423    5.67
59)  1,4-DIOXANE
                     0.098 0.124 0.173 0.174 0.172 0.177 0.182 0.188  0.161   19.95
60)  METHYL METHACRYLATE
             0.230 0.259 0.262 0.335 0.311 0.316 0.314 0.308 0.314  0.294   11.93
61)  HEPTANE
      0.484 0.563 0.576 0.503 0.547 0.488 0.505 0.498 0.489 0.494  0.515    6.61
62)  METHYL ISOBUTYL KETONE
             0.494 0.510 0.516 0.565 0.574 0.593 0.594 0.580 0.598  0.558    7.21
63)  cis-1,3-DICHLOROPROPENE
      0.338 0.411 0.440 0.442 0.551 0.503 0.513 0.506 0.484 0.494  0.468   13.16
64)  TOLUENE
      0.448 0.539 0.560 0.551 0.659 0.597 0.605 0.594 0.589 0.584  0.573    9.62
65)  trans-1,3-DICHLOROPROPENE
             0.290 0.322 0.328 0.427 0.403 0.410 0.407 0.382 0.394  0.374   12.86
66)  1,1,2-TRICHLOROETHANE
             0.218 0.239 0.247 0.306 0.273 0.277 0.273 0.268 0.267  0.263    9.70

67) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
68)  ETHYL METHACRYLATE
                     0.917 0.918 1.087 1.061 1.013 0.961 1.044 0.969  0.996    6.50
69)  2-HEXANONE
                     0.503 0.590 0.676 0.664 0.646 0.616 0.672 0.633  0.625    9.20
70)  TETRACHLOROETHYLENE
      0.594 0.779 0.889 0.835 0.887 0.761 0.720 0.661 0.738 0.650  0.751   13.29
71)  DIBROMOCHLOROMETHANE
      0.849 1.130 1.202 1.148 1.307 1.127 1.067 0.982 1.081 0.960  1.085   12.02
72)  1,2-DIBROMOETHANE
      0.590 0.810 0.874 0.896 1.089 0.967 0.919 0.855 0.902 0.820  0.872   14.61
73)  OCTANE
      1.404 1.597 1.662 1.493 1.613 1.422 1.379 1.287 1.392 1.261  1.451    9.43
74)  1,1,1,2-TETRACHLOROETHANE
      0.520 0.807 0.897 0.847 0.956 0.833 0.788 0.726 0.807 0.714  0.789   15.06
75)  CHLOROBENZENE
      1.251 1.641 1.666 1.634 1.809 1.582 1.499 1.394 1.517 1.361  1.536   10.80
76)  ETHYLBENZENE
      2.194 2.838 2.779 2.507 2.854 2.495 2.354 2.187 2.422 2.137  2.477   10.96
77)  m,p-XYLENE
      0.816 1.094 1.109 1.038 1.168 1.020 0.968 0.896 0.991 0.868  0.997   11.28
78)  o-XYLENE
      0.572 0.930 0.998 0.948 1.085 0.946 0.911 0.843 0.923 0.809  0.896   15.28
79)  STYRENE
      0.978 1.365 1.458 1.400 1.754 1.550 1.485 1.381 1.504 1.334  1.421   13.86
80)  1,2,3-TRICHLOROPROPANE
      0.908 1.154 1.185 1.050 1.163 1.025 0.981 0.918 0.992 0.887  1.026   10.74
81)  NONANE
      1.076 1.451 1.521 1.340 1.627 1.443 1.417 1.321 1.429 1.275  1.390   10.76
82)  BROMOFORM
      0.681 1.003 1.070 1.051 1.228 1.084 1.034 0.963 1.043 0.929  1.008   13.90
83)  4-BROMOFLUOROBENZENE
```

Initial Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VW2080-ICC2080
Lab FileID: W52088.D

```
       1.043 1.053 1.059 1.071 1.166 1.160 1.121 1.084 1.141 1.036  1.093    4.53
 84)  1,1,2,2-TETRACHLOROETHANE
       1.130 1.535 1.533 1.410 1.607 1.410 1.365 1.277 1.382 1.232  1.388   10.61
 85)  ISOPROPYLBENZENE
       2.581 3.181 3.137 2.774 3.216 2.787 2.670 2.464 2.722 2.362  2.789   10.74
 86)  BROMOBENZENE
       0.565 0.791 0.827 0.795 0.927 0.819 0.784 0.728 0.791 0.698  0.772   12.29
 87)  2-CHLOROTOLUENE
              0.623 0.685 0.639 0.743 0.652 0.625 0.584 0.634 0.562  0.639    8.31
 88)  n-PROPYLBENZENE
              0.661 0.732 0.704 0.841 0.745 0.719 0.672 0.730 0.650  0.717    7.99
 89)  4-ETHYLTOLUENE
       1.998 2.312 2.345 2.166 2.702 2.398 2.293 2.127 2.344 2.080  2.276    8.76
 90)  1,3,5-TRIMETHYLBENZENE
       2.099 2.477 2.455 2.228 2.584 2.222 2.132 1.978 2.174 1.831  2.218   10.50
 91)  ALPHA-METHYLSTYRENE
       0.679 0.949 0.935 0.905 1.171 1.044 1.010 0.938 1.021 0.902  0.955   13.25
 92)  TERT-BUTYLBENZENE
              0.504 0.523 0.481 0.606 0.533 0.517 0.482 0.523 0.463  0.515    8.07
 93)  1,2,4-TRIMETHYLBENZENE
       1.831 2.098 2.097 1.917 2.335 2.070 1.991 1.856 2.019 1.763  1.998    8.33
 94)  m-DICHLOROBENZENE
       1.165 1.248 1.223 1.118 1.278 1.158 1.173 1.087 1.185 1.031  1.167    6.38
 95)  BENZYL CHLORIDE
              1.532 1.349 1.341 1.661 1.558 1.555 1.495 1.550 1.446  1.499    6.95
 96)  p-DICHLOROBENZENE
       1.175 1.351 1.250 1.179 1.429 1.277 1.197 1.126 1.205 1.079  1.227    8.49
 97)  SEC-BUTYLBENZENE
              0.619 0.628 0.581 0.710 0.622 0.598 0.560 0.608 0.537  0.607    8.09
 98)  p-ISOPROPYLTOLUENE
              0.645 0.638 0.599 0.730 0.647 0.627 0.590 0.636 0.562  0.631    7.47
 99)  o-DICHLOROBENZENE
       1.122 1.297 1.214 1.135 1.254 1.111 1.068 0.993 1.081 0.950  1.123    9.75
100)  n-BUTYLBENZENE
              0.470 0.497 0.485 0.618 0.557 0.537 0.512 0.540 0.494  0.523    8.69
101)  HEXACHLOROETHANE
       0.506 0.810 0.893 0.763 0.896 0.783 0.755 0.699 0.758 0.676  0.754   14.93
102)  HEXACHLOROBUTADIENE
       0.829 1.007 0.991 0.872 0.827 0.731 0.847 0.794 0.692 0.725  0.831   12.70
103)  1,2,4-TRICHLOROBENZENE
       0.606 0.780 0.601 0.542 0.468 0.464 0.603 0.547 0.468 0.535  0.561   16.95
104)  NAPHTHALENE
       1.242 1.569 1.163 1.140 1.107 1.097 1.489 1.545 1.124 1.498  1.297   15.52
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MW2080.M          Fri Oct 23 10:44:56 2015   MSW
```

Initial Calibration Verification

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VW2080-ICV2080
Lab FileID: W52101.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W52101.D
Acq On : 22 Oct 2015 7:47 pm
Sample : ICV2080-10
Misc : MS93034,VW2080,,,,,1
MS Integration Params: rteint.p

Vial: 4
Operator: youminh
Inst : MSW
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	0.00
2	1,1,1-TRIFLUOROETHANE	0.000	0.000	0.0	0#	-4.95#
3	FREON 152A	0.876	0.859	1.9	99	0.00
4	CHLORODIFLUOROMETHANE	0.294	0.293	0.3	98	0.00
5	DICHLORODIFLUOROMETHANE	3.294	3.129	5.0	97	0.00
6	PROPYLENE	1.267	1.149	9.3	101	0.00
7	FREON 114	3.626	3.396	6.3	96	0.00
8	1-CHLORO-1,1-DIFLUOROETHANE	0.000	0.000	0.0	0#	-5.37#
9	CHLOROMETHANE	0.396	0.405	-2.3	97	0.00
10	VINYL CHLORIDE	1.473	1.460	0.9	97	0.00
11	1,3-BUTADIENE	1.167	1.165	0.2	99	0.00
12	n-BUTANE	0.326	0.325	0.3	98	0.00
13	BROMOMETHANE	1.182	1.181	0.1	97	0.00
14	CHLOROETHANE	0.791	0.792	-0.1	98	0.00
15	DICHLOROFLUOROMETHANE	2.928	2.813	3.9	96	0.00
16	ACROLEIN	0.621	0.609	1.9	95	0.00
17	TRICHLOROFLUOROMETHANE	2.972	2.823	5.0	97	0.00
18	ISOPROPYL ALCOHOL	2.737	2.643	3.4	100	0.00
19	ACETONE	0.737	0.716	2.8	98	0.00
20	1,1-DICHLORO-1-FLUOROETHANE	0.000	0.000	0.0	0#	-6.90#
21	ACRYLONITRILE	1.094	1.163	-6.3	99	0.00
22	PENTANE	0.412	0.403	2.2	99	0.00
23	IODOMETHANE	3.169	3.169	0.0	97	0.00
24	1,1-DICHLOROETHYLENE	1.452	1.341	7.6	99	0.00
25	CARBON DISULFIDE	4.044	3.933	2.7	101	0.00
26	ETHANOL	0.630	0.603	4.3	101	0.01
27	ACETONITRILE	1.257	1.184	5.8	99	0.00
28	BROMOETHENE	1.185	1.203	-1.5	96	0.00
29	METHYLENE CHLORIDE	1.242	1.184	4.7	97	0.00
30	3-CHLOROPROPENE	0.647	0.681	-5.3	98	0.00
31	FREON 113	2.115	2.126	-0.5	98	0.00
32	TRANS-1,2-DICHLOROETHYLENE	1.429	1.374	3.8	100	0.00
33	TERTIARY BUTYL ALCOHOL	2.901	2.945	-1.5	99	0.00
34	METHYL TERTIARY BUTYL ETHER	3.764	3.869	-2.8	99	0.00
35	TETRAHYDROFURAN	0.639	0.701	-9.7	100	0.00
36	HEXANE	2.396	2.376	0.8	100	0.00
37	VINYL ACETATE	0.348	0.389	-11.8	98	0.00
38	1,1-DICHLOROETHANE	2.457	2.549	-3.7	100	0.00
39	METHYL ETHYL KETONE	0.656	0.712	-8.5	99	0.00
40	cis-1,2-DICHLOROETHYLENE	1.489	1.443	3.1	99	0.00
41	DI-ISOPROPYL ETHER	1.180	1.222	-3.6	98	0.00
42	ETHYL ACETATE	0.464	0.511	-10.1	101	0.00

Initial Calibration Verification

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Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VW2080-ICV2080
Lab FileID: W52101.D

43		METHYL ACRYLATE	2.594	2.786	-7.4	100	0.00
44		CHLOROFORM	2.581	2.672	-3.5	101	0.00
45		2,4-DIMETHYLPENTANE	2.671	2.748	-2.9	100	0.00
46		1,1,1-TRICHLOROETHANE	2.540	2.594	-2.1	100	0.00
47		CARBON TETRACHLORIDE	2.574	2.600	-1.0	99	0.00
48		1,2-DICHLOROETHANE	1.468	1.600	-9.0	99	0.00
49	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00
50		BENZENE	0.850	0.837	1.5	98	0.00
51		CYCLOHEXANE	0.399	0.375	6.0	99	0.00
52		2,3-DIMETHYLPENTANE	0.191	0.197	-3.1	100	0.00
53		TRICHLOROETHYLENE	0.341	0.344	-0.9	98	0.00
54		DIBROMOMETHANE	0.298	0.307	-3.0	97	0.00
55		1,2-DICHLOROPROPANE	0.314	0.315	-0.3	101	0.00
56		ETHYL ACRYLATE	0.565	0.599	-6.0	98	0.00
57		BROMODICHLOROMETHANE	0.552	0.556	-0.7	99	0.00
58		2,2,4-TRIMETHYLPENTANE	1.423	1.411	0.8	100	0.00
59		1,4-DIOXANE	0.161	0.173	-7.5	98	0.00
60		METHYL METHACRYLATE	0.294	0.312	-6.1	99	0.00
61		HEPTANE	0.515	0.500	2.9	101	0.00
62		METHYL ISOBUTYL KETONE	0.558	0.575	-3.0	99	0.00
63		cis-1,3-DICHLOROPROPENE	0.468	0.475	-1.5	93	0.00
64		TOLUENE	0.573	0.595	-3.8	98	0.00
65		trans-1,3-DICHLOROPROPENE	0.374	0.401	-7.2	98	0.00
66		1,1,2-TRICHLOROETHANE	0.263	0.274	-4.2	99	0.00
67	I	CHLOROBENZENE-D5	1.000	1.000	0.0	99	0.00
68		ETHYL METHACRYLATE	0.996	1.056	-6.0	98	0.00
69		2-HEXANONE	0.625	0.664	-6.2	99	0.00
70		TETRACHLOROETHYLENE	0.751	0.756	-0.7	98	0.00
71		DIBROMOCHLOROMETHANE	1.085	1.117	-2.9	98	0.00
72		1,2-DIBROMOETHANE	0.872	0.961	-10.2	98	0.00
73		OCTANE	1.451	1.443	0.6	100	0.00
74		1,1,1,2-TETRACHLOROETHANE	0.789	0.819	-3.8	97	0.00
75		CHLOROBENZENE	1.536	1.542	-0.4	96	0.00
76		ETHYLBENZENE	2.477	2.480	-0.1	98	0.00
77		m,p-XYLENE	0.997	1.017	-2.0	99	0.00
78		o-XYLENE	0.896	0.954	-6.5	100	0.00
79		STYRENE	1.421	1.545	-8.7	98	0.00
80		1,2,3-TRICHLOROPROPANE	1.026	1.022	0.4	99	0.00
81		NONANE	1.390	1.467	-5.5	100	0.00
82		BROMOFORM	1.008	1.067	-5.9	97	0.00
83	S	4-BROMOFLUOROBENZENE	1.093	1.140	-4.3	97	0.00
84		1,1,2,2-TETRACHLOROETHANE	1.388	1.416	-2.0	99	0.00
85		ISOPROPYLBENZENE	2.789	2.778	0.4	98	0.00
86		BROMOBENZENE	0.772	0.805	-4.3	97	0.00
87		2-CHLOROTOLUENE	0.639	0.646	-1.1	98	0.00
88		n-PROPYLBENZENE	0.717	0.735	-2.5	97	0.00
89		4-ETHYLTOLUENE	2.276	2.357	-3.6	97	0.00
90		1,3,5-TRIMETHYLBENZENE	2.218	2.256	-1.7	100	0.00
91		ALPHA-METHYLSTYRENE	0.955	1.033	-8.2	98	0.00
92		TERT-BUTYLBENZENE	0.515	0.525	-1.9	97	0.00
93		1,2,4-TRIMETHYLBENZENE	1.998	2.069	-3.6	99	0.00
94		m-DICHLOROBENZENE	1.167	1.189	-1.9	101	0.00
95		BENZYL CHLORIDE	1.499	1.537	-2.5	97	0.00
96		p-DICHLOROBENZENE	1.227	1.200	2.2	93	0.00
97		SEC-BUTYLBENZENE	0.607	0.610	-0.5	97	0.00
98		p-ISOPROPYLTOLUENE	0.631	0.634	-0.5	97	0.00
99		o-DICHLOROBENZENE	1.123	1.102	1.9	98	0.00
100		n-BUTYLBENZENE	0.523	0.542	-3.6	96	0.00

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Job Number: JC7272
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101	HEXACHLOROETHANE	0.754	0.770	-2.1	97	0.00
102	HEXACHLOROBUTADIENE	0.831	0.728	12.4	98	0.00
103	1,2,4-TRICHLOROBENZENE	0.561	0.466	16.9	99	0.00
104	NAPHTHALENE	1.297	1.091	15.9	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W52088.D MW2080.M Fri Oct 23 10:44:05 2015 MSW

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VW2086-CC2080
Lab FileID: W52207.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W52207.D Vial: 2
Acq On : 29 Oct 2015 9:58 am Operator: youminh
Sample : CC2080-10 Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	87	0.00
2	1,1,1-TRIFLUOROETHANE	0.000	0.000	0.0	0#	-4.95#
3	FREON 152A	0.876	0.970	-10.7	101	0.00
4	CHLORODIFLUOROMETHANE	0.294	0.328	-11.6	98	0.00
5	DICHLORODIFLUOROMETHANE	3.294	3.458	-5.0	97	0.00
6	PROPYLENE	1.267	1.317	-3.9	105	0.00
7	FREON 114	3.626	3.761	-3.7	96	0.00
8	1-CHLORO-1,1-DIFLUOROETHANE	0.000	0.000	0.0	0#	-5.37#
9	CHLOROMETHANE	0.396	0.470	-18.7	101	0.00
10	VINYL CHLORIDE	1.473	1.675	-13.7	100	0.00
11	1,3-BUTADIENE	1.167	1.346	-15.3	103	0.00
12	n-BUTANE	0.326	0.386	-18.4	105	0.01
13	BROMOMETHANE	1.182	1.275	-7.9	94	0.01
14	CHLOROETHANE	0.791	0.885	-11.9	99	0.00
15	DICHLOROFLUOROMETHANE	2.928	3.184	-8.7	98	0.00
16	ACROLEIN	0.621	0.707	-13.8	99	0.00
17	TRICHLOROFLUOROMETHANE	2.972	2.930	1.4	91	0.00
18	ISOPROPYL ALCOHOL	2.737	2.794	-2.1	96	0.01
19	ACETONE	0.737	0.801	-8.7	98	0.00
20	1,1-DICHLORO-1-FLUOROETHANE	0.000	0.000	0.0	0#	-6.90#
21	ACRYLONITRILE	1.094	1.287	-17.6	99	0.00
22	PENTANE	0.412	0.441	-7.0	98	0.00
23	IODOMETHANE	3.169	3.159	0.3	87	0.00
24	1,1-DICHLOROETHYLENE	1.452	1.395	3.9	93	0.00
25	CARBON DISULFIDE	4.044	4.257	-5.3	99	0.00
26	ETHANOL	0.630	0.662	-5.1	101	0.02
27	ACETONITRILE	1.257	1.370	-9.0	103	0.00
28	BROMOETHENE	1.185	1.251	-5.6	90	0.00
29	METHYLENE CHLORIDE	1.242	1.288	-3.7	95	0.00
30	3-CHLOROPROPENE	0.647	0.730	-12.8	95	0.00
31	FREON 113	2.115	2.081	1.6	87	0.00
32	TRANS-1,2-DICHLOROETHYLENE	1.429	1.399	2.1	92	0.00
33	TERTIARY BUTYL ALCOHOL	2.901	2.893	0.3	88	0.00
34	METHYL TERTIARY BUTYL ETHER	3.764	3.958	-5.2	92	0.00
35	TETRAHYDROFURAN	0.639	0.719	-12.5	92	0.00
36	HEXANE	2.396	2.640	-10.2	100	0.00
37	VINYL ACETATE	0.348	0.399	-14.7	91	0.00
38	1,1-DICHLOROETHANE	2.457	2.743	-11.6	97	0.00
39	METHYL ETHYL KETONE	0.656	0.726	-10.7	91	0.00
40	cis-1,2-DICHLOROETHYLENE	1.489	1.489	0.0	92	0.00
41	DI-ISOPROPYL ETHER	1.180	1.277	-8.2	93	0.00
42	ETHYL ACETATE	0.464	0.533	-14.9	95	0.00

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VW2086-CC2080
Lab FileID: W52207.D

43		METHYL ACRYLATE	2.594	2.951	-13.8	95	0.00
44		CHLOROFORM	2.581	2.782	-7.8	95	0.00
45		2,4-DIMETHYLPENTANE	2.671	2.998	-12.2	98	0.00
46		1,1,1-TRICHLOROETHANE	2.540	2.626	-3.4	92	0.00
47		CARBON TETRACHLORIDE	2.574	2.591	-0.7	89	0.00
48		1,2-DICHLOROETHANE	1.468	1.675	-14.1	94	0.00
49	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	86	0.00
50		BENZENE	0.850	0.958	-12.7	98	0.00
51		CYCLOHEXANE	0.399	0.416	-4.3	95	0.00
52		2,3-DIMETHYLPENTANE	0.191	0.222	-16.2	98	0.00
53		TRICHLOROETHYLENE	0.341	0.375	-10.0	93	0.00
54		DIBROMOMETHANE	0.298	0.319	-7.0	87	0.00
55		1,2-DICHLOROPROPANE	0.314	0.360	-14.6	100	0.00
56		ETHYL ACRYLATE	0.565	0.628	-11.2	90	0.00
57		BROMODICHLOROMETHANE	0.552	0.610	-10.5	95	0.00
58		2,2,4-TRIMETHYLPENTANE	1.423	1.595	-12.1	99	0.00
59		1,4-DIOXANE	0.161	0.178	-10.6	88	0.00
60		METHYL METHACRYLATE	0.294	0.335	-13.9	92	0.00
61		HEPTANE	0.515	0.571	-10.9	101	0.00
62		METHYL ISOBUTYL KETONE	0.558	0.581	-4.1	87	0.00
63		cis-1,3-DICHLOROPROPENE	0.468	0.548	-17.1	93	0.00
64		TOLUENE	0.573	0.655	-14.3	94	0.00
65		trans-1,3-DICHLOROPROPENE	0.374	0.422	-12.8	90	0.00
66		1,1,2-TRICHLOROETHANE	0.263	0.305	-16.0	96	0.00
67	I	CHLOROBENZENE-D5	1.000	1.000	0.0	85	0.00
68		ETHYL METHACRYLATE	0.996	1.070	-7.4	85	0.00
69		2-HEXANONE	0.625	0.684	-9.4	87	0.00
70		TETRACHLOROETHYLENE	0.751	0.798	-6.3	89	0.00
71		DIBROMOCHLOROMETHANE	1.085	1.203	-10.9	90	0.00
72		1,2-DIBROMOETHANE	0.872	1.020	-17.0	89	0.00
73		OCTANE	1.451	1.646	-13.4	98	0.00
74		1,1,1,2-TETRACHLOROETHANE	0.789	0.883	-11.9	90	0.00
75		CHLOROBENZENE	1.536	1.715	-11.7	92	0.00
76		ETHYLBENZENE	2.477	2.703	-9.1	92	0.00
77		m,p-XYLENE	0.997	1.112	-11.5	92	0.00
78		o-XYLENE	0.896	1.049	-17.1	94	0.00
79		STYRENE	1.421	1.674	-17.8	91	0.00
80		1,2,3-TRICHLOROPROPANE	1.026	1.140	-11.1	94	0.00
81		NONANE	1.390	1.741	-25.3	102	0.00
82		BROMOFORM	1.008	1.108	-9.9	87	0.00
83	S	4-BROMOFLUOROBENZENE	1.093	1.079	1.3	79	0.00
84		1,1,2,2-TETRACHLOROETHANE	1.388	1.603	-15.5	96	0.00
85		ISOPROPYLBENZENE	2.789	3.065	-9.9	93	0.00
86		BROMOBENZENE	0.772	0.864	-11.9	89	0.00
87		2-CHLOROTOLUENE	0.639	0.708	-10.8	92	0.00
88		n-PROPYLBENZENE	0.717	0.811	-13.1	92	0.00
89		4-ETHYLTOLUENE	2.276	2.550	-12.0	90	0.00
90		1,3,5-TRIMETHYLBENZENE	2.218	2.475	-11.6	94	0.00
91		ALPHA-METHYLSTYRENE	0.955	1.115	-16.8	90	0.00
92		TERT-BUTYLBENZENE	0.515	0.567	-10.1	90	0.00
93		1,2,4-TRIMETHYLBENZENE	1.998	2.255	-12.9	92	0.00
94		m-DICHLOROBENZENE	1.167	1.251	-7.2	91	0.00
95		BENZYL CHLORIDE	1.499	1.672	-11.5	91	0.00
96		p-DICHLOROBENZENE	1.227	1.340	-9.2	89	0.00
97		SEC-BUTYLBENZENE	0.607	0.661	-8.9	90	0.00
98		p-ISOPROPYLTOLUENE	0.631	0.681	-7.9	89	0.00
99		o-DICHLOROBENZENE	1.123	1.184	-5.4	90	0.00
100		n-BUTYLBENZENE	0.523	0.576	-10.1	88	0.00

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VW2086-CC2080
Lab FileID: W52207.D

101	HEXACHLOROETHANE	0.754	0.814	-8.0	88	0.00
102	HEXACHLOROBUTADIENE	0.831	0.708	14.8	82	0.00
103	1,2,4-TRICHLOROBENZENE	0.561	0.469	16.4	86	0.00
104	NAPHTHALENE	1.297	1.124	13.3	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W52088.D MW2080.M Fri Oct 30 12:19:32 2015 MSW

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY
Sample: VW2087-CC2080
Lab FileID: W52236.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W52236.D Vial: 2
Acq On : 30 Oct 2015 9:24 am Operator: youminh
Sample : CC2080-10 Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	82	0.00
2	1,1,1-TRIFLUOROETHANE	0.000	0.000	0.0	0#	-4.95#
3	FREON 152A	0.876	0.926	-5.7	90	0.01
4	CHLORODIFLUOROMETHANE	0.294	0.286	2.7	81	0.01
5	DICHLORODIFLUOROMETHANE	3.294	3.151	4.3	83	0.01
6	PROPYLENE	1.267	1.161	8.4	87	0.01
7	FREON 114	3.626	3.519	3.0	84	0.01
8	1-CHLORO-1,1-DIFLUOROETHANE	0.000	0.000	0.0	0#	-5.37#
9	CHLOROMETHANE	0.396	0.426	-7.6	86	0.00
10	VINYL CHLORIDE	1.473	1.527	-3.7	86	0.01
11	1,3-BUTADIENE	1.167	1.194	-2.3	86	0.01
12	n-BUTANE	0.326	0.345	-5.8	88	0.02
13	BROMOMETHANE	1.182	1.255	-6.2	87	0.01
14	CHLOROETHANE	0.791	0.829	-4.8	87	0.01
15	DICHLOROFLUOROMETHANE	2.928	2.935	-0.2	85	0.00
16	ACROLEIN	0.621	0.639	-2.9	84	0.01
17	TRICHLOROFLUOROMETHANE	2.972	2.878	3.2	84	0.00
18	ISOPROPYL ALCOHOL	2.737	2.538	7.3	82	0.01
19	ACETONE	0.737	0.738	-0.1	85	0.01
20	1,1-DICHLORO-1-FLUOROETHANE	0.000	0.000	0.0	0#	-6.90#
21	ACRYLONITRILE	1.094	1.187	-8.5	85	0.00
22	PENTANE	0.412	0.405	1.7	85	0.01
23	IODOMETHANE	3.169	3.210	-1.3	83	0.01
24	1,1-DICHLOROETHYLENE	1.452	1.373	5.4	86	0.00
25	CARBON DISULFIDE	4.044	4.113	-1.7	90	0.00
26	ETHANOL	0.630	0.608	3.5	87	0.02
27	ACETONITRILE	1.257	1.223	2.7	87	0.00
28	BROMOETHENE	1.185	1.255	-5.9	85	0.00
29	METHYLENE CHLORIDE	1.242	1.266	-1.9	88	0.00
30	3-CHLOROPROPENE	0.647	0.686	-6.0	84	0.01
31	FREON 113	2.115	2.115	0.0	83	0.00
32	TRANS-1,2-DICHLOROETHYLENE	1.429	1.392	2.6	86	0.00
33	TERTIARY BUTYL ALCOHOL	2.901	2.764	4.7	79	0.01
34	METHYL TERTIARY BUTYL ETHER	3.764	3.742	0.6	81	0.00
35	TETRAHYDROFURAN	0.639	0.691	-8.1	83	0.00
36	HEXANE	2.396	2.398	-0.1	85	0.00
37	VINYL ACETATE	0.348	0.388	-11.5	83	0.00
38	1,1-DICHLOROETHANE	2.457	2.554	-3.9	85	0.00
39	METHYL ETHYL KETONE	0.656	0.710	-8.2	84	0.00
40	cis-1,2-DICHLOROETHYLENE	1.489	1.471	1.2	85	0.00
41	DI-ISOPROPYL ETHER	1.180	1.224	-3.7	84	0.00
42	ETHYL ACETATE	0.464	0.507	-9.3	85	0.00

Continuing Calibration Summary

Job Number: JC7272 **Sample:** VW2087-CC2080
Account: EEENJF Equity Environmental Engineering **Lab FileID:** W52236.D
Project: Procida, 105 South 5th Street, Brooklyn, NY

43		METHYL ACRYLATE	2.594	2.741	-5.7	83	0.00
44		CHLOROFORM	2.581	2.643	-2.4	85	0.00
45		2,4-DIMETHYLPENTANE	2.671	2.735	-2.4	84	0.00
46		1,1,1-TRICHLOROETHANE	2.540	2.516	0.9	83	0.00
47		CARBON TETRACHLORIDE	2.574	2.531	1.7	82	0.00
48		1,2-DICHLOROETHANE	1.468	1.561	-6.3	82	0.00
49	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	74	0.00
50		BENZENE	0.850	0.995	-17.1	87	0.00
51		CYCLOHEXANE	0.399	0.430	-7.8	85	0.00
52		2,3-DIMETHYLPENTANE	0.191	0.226	-18.3	86	0.00
53		TRICHLOROETHYLENE	0.341	0.402	-17.9	86	0.00
54		DIBROMOMETHANE	0.298	0.360	-20.8	85	0.00
55		1,2-DICHLOROPROPANE	0.314	0.364	-15.9	87	0.00
56		ETHYL ACRYLATE	0.565	0.647	-14.5	80	0.00
57		BROMODICHLOROMETHANE	0.552	0.638	-15.6	85	0.00
58		2,2,4-TRIMETHYLPENTANE	1.423	1.610	-13.1	86	0.00
59		1,4-DIOXANE	0.161	0.195	-21.1	83	0.01
60		METHYL METHACRYLATE	0.294	0.356	-21.1	84	0.00
61		HEPTANE	0.515	0.564	-9.5	85	0.00
62		METHYL ISOBUTYL KETONE	0.558	0.603	-8.1	78	0.00
63		cis-1,3-DICHLOROPROPENE	0.468	0.575	-22.9	85	0.00
64		TOLUENE	0.573	0.695	-21.3	86	0.00
65		trans-1,3-DICHLOROPROPENE	0.374	0.450	-20.3	83	0.00
66		1,1,2-TRICHLOROETHANE	0.263	0.322	-22.4	87	0.00
67	I	CHLOROBENZENE-D5	1.000	1.000	0.0	75	0.00
68		ETHYL METHACRYLATE	0.996	1.122	-12.7	79	0.00
69		2-HEXANONE	0.625	0.711	-13.8	80	0.00
70		TETRACHLOROETHYLENE	0.751	0.878	-16.9	86	0.00
71		DIBROMOCHLOROMETHANE	1.085	1.286	-18.5	85	0.00
72		1,2-DIBROMOETHANE	0.872	1.113	-27.6	86	0.00
73		OCTANE	1.451	1.621	-11.7	85	0.00
74		1,1,1,2-TETRACHLOROETHANE	0.789	0.945	-19.8	85	0.00
75		CHLOROBENZENE	1.536	1.826	-18.9	86	0.00
76		ETHYLBENZENE	2.477	2.843	-14.8	85	0.00
77		m,p-XYLENE	0.997	1.191	-19.5	87	0.00
78		o-XYLENE	0.896	1.131	-26.2	89	0.00
79		STYRENE	1.421	1.807	-27.2	87	0.00
80		1,2,3-TRICHLOROPROPANE	1.026	1.211	-18.0	88	0.00
81		NONANE	1.390	1.719	-23.7	89	0.00
82		BROMOFORM	1.008	1.229	-21.9	85	0.00
83	S	4-BROMOFLUOROBENZENE	1.093	1.142	-4.5	74	0.00
84		1,1,2,2-TETRACHLOROETHANE	1.388	1.709	-23.1	91	0.00
85		ISOPROPYLBENZENE	2.789	3.304	-18.5	89	0.00
86		BROMOBENZENE	0.772	0.970	-25.6	89	0.00
87		2-CHLOROTOLUENE	0.639	0.775	-21.3	89	0.00
88		n-PROPYLBENZENE	0.717	0.888	-23.8	89	0.00
89		4-ETHYLTOLUENE	2.276	2.820	-23.9	88	0.00
90		1,3,5-TRIMETHYLBENZENE	2.218	2.668	-20.3	90	0.00
91		ALPHA-METHYLSTYRENE	0.955	1.235	-29.3	89	0.00
92		TERT-BUTYLBENZENE	0.515	0.633	-22.9	89	0.00
93		1,2,4-TRIMETHYLBENZENE	1.998	2.469	-23.6	89	0.00
94		m-DICHLOROBENZENE	1.167	1.445	-23.8	93	0.00
95		BENZYL CHLORIDE	1.499	1.824	-21.7	88	0.00
96		p-DICHLOROBENZENE	1.227	1.491	-21.5	87	0.00
97		SEC-BUTYLBENZENE	0.607	0.740	-21.9	89	0.00
98		p-ISOPROPYLTOLUENE	0.631	0.770	-22.0	89	0.00
99		o-DICHLOROBENZENE	1.123	1.343	-19.6	90	0.00
100		n-BUTYLBENZENE	0.523	0.655	-25.2	88	0.00

Continuing Calibration Summary

Job Number: JC7272
Account: EEENJF Equity Environmental Engineering
Project: Procida, 105 South 5th Street, Brooklyn, NY

Sample: VW2087-CC2080
Lab FileID: W52236.D

101	HEXACHLOROETHANE	0.754	0.925	-22.7	88	0.00
102	HEXACHLOROBUTADIENE	0.831	0.820	1.3	84	0.00
103	1,2,4-TRICHLOROBENZENE	0.561	0.553	1.4	89	0.00
104	NAPHTHALENE	1.297	1.278	1.5	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W52088.D MW2080.M Mon Nov 02 11:07:06 2015 MSW

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52229.D Vial: 4
Acq On : 30 Oct 2015 1:45 am Operator: youminh
Sample : JC7272-1 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:05:48 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

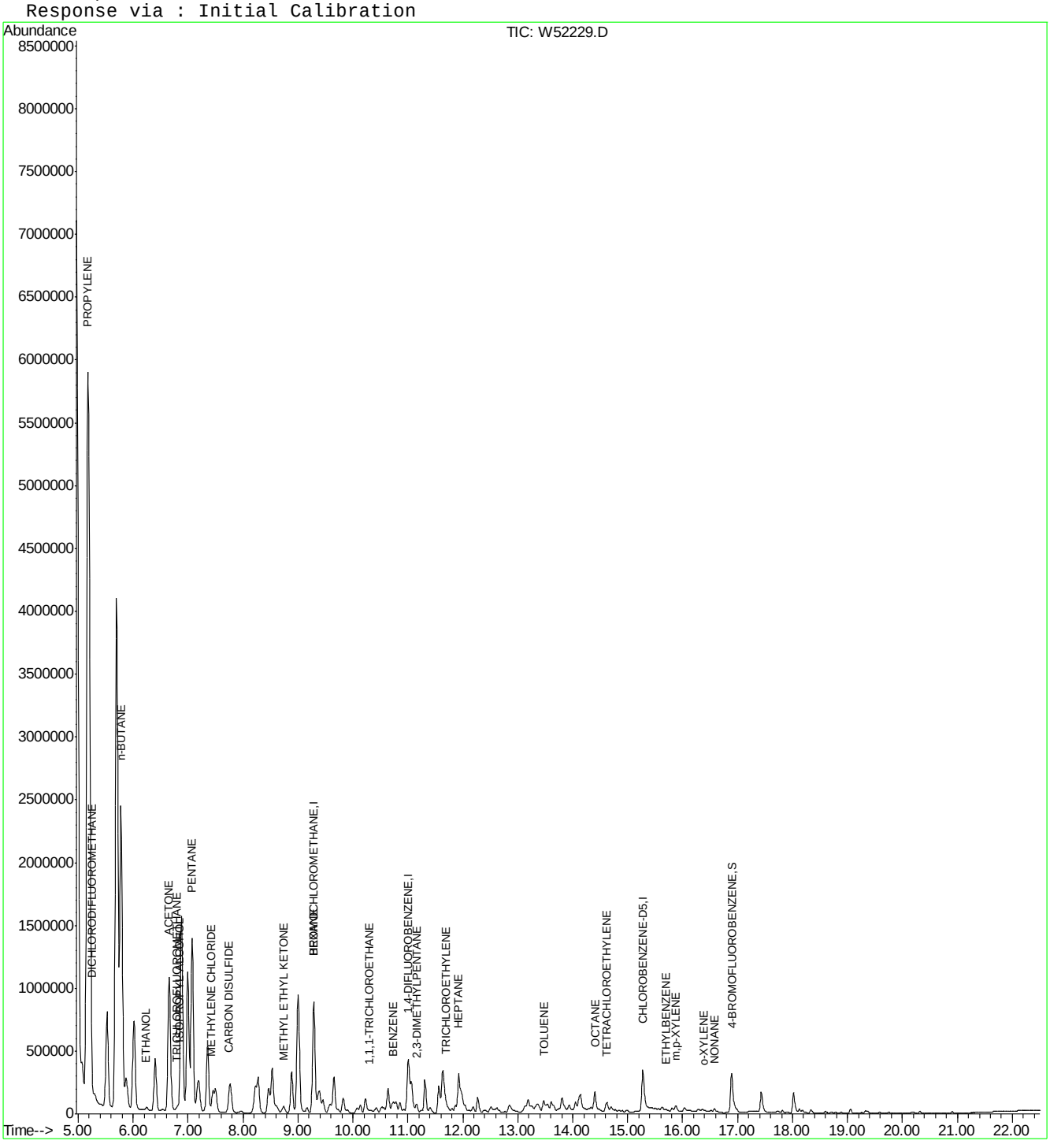
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	97718	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	487292	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	224778	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	237287	9.65	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 96.50%			
Target Compounds						Qvalue
5) DICHLORODIFLUOROMETHANE	5.25	85	5053	0.16	PPBV	99
6) PROPYLENE	5.17	41	6639886	536.24	PPBV	96
12) n-BUTANE	5.78	58	621546	195.03	PPBV #	79
17) TRICHLOROFLUOROMETHANE	6.79	101	12666	0.44	PPBV	98
18) ISOPROPYL ALCOHOL	6.83	45	7788	0.29	PPBV #	1
19) ACETONE	6.64	58	157535	21.86	PPBV #	1
22) PENTANE	7.07	57	246842	61.32	PPBV #	84
25) CARBON DISULFIDE	7.73	76	37112	0.94	PPBV	93
26) ETHANOL	6.22	45	11464	1.86	PPBV #	90
29) METHYLENE CHLORIDE	7.42	84	2919	0.24	PPBV	77
36) HEXANE	9.29	57	460724	19.68	PPBV	89
39) METHYL ETHYL KETONE	8.74	72	26823	4.18	PPBV	94
46) 1,1,1-TRICHLOROETHANE	10.30	97	19365	0.78	PPBV	98
50) BENZENE	10.72	78	76776	1.85	PPBV	93
52) 2,3-DIMETHYLPENTANE	11.16	71	15722	1.69	PPBV #	95
53) TRICHLOROETHYLENE	11.69	95	16629	1.00	PPBV	93
61) HEPTANE	11.92	43	192589	7.68	PPBV	97
64) TOLUENE	13.47	92	57748	2.07	PPBV	96
70) TETRACHLOROETHYLENE	14.62	164	34388	2.04	PPBV	98
73) OCTANE	14.41	43	78470	2.41	PPBV	96
76) ETHYLBENZENE	15.70	91	19593	0.35	PPBV	97
77) m,p-XYLENE	15.88	106	16978	0.76	PPBV #	95
78) o-XYLENE	16.40	106	5592	0.28	PPBV	88
81) NONANE	16.58	43	18592	0.60	PPBV	96

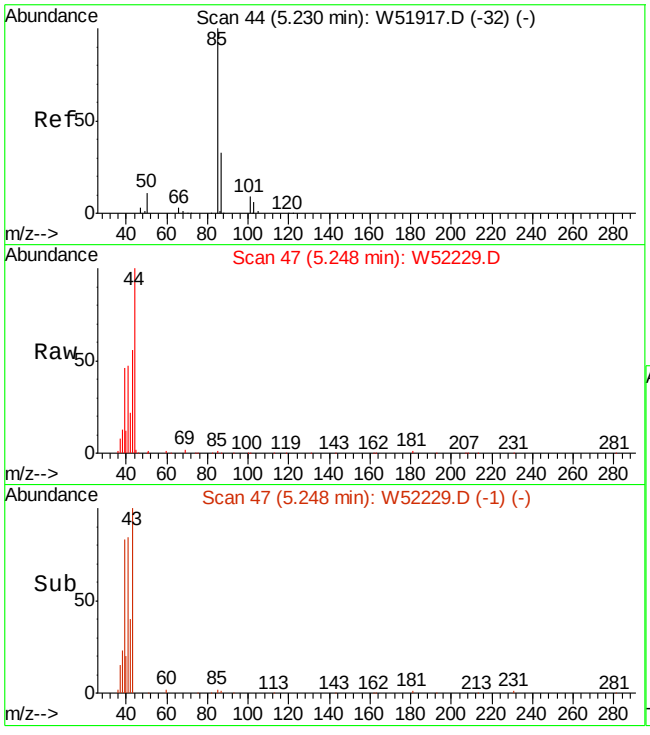
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52229.D Vial: 4
Acq On : 30 Oct 2015 1:45 am Operator: youminh
Sample : JC7272-1 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:36 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

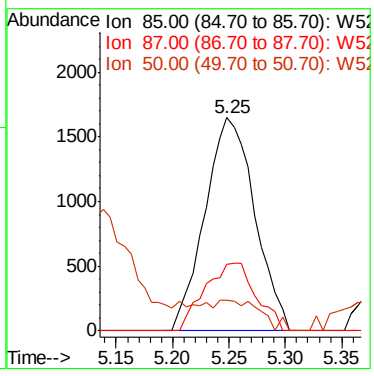


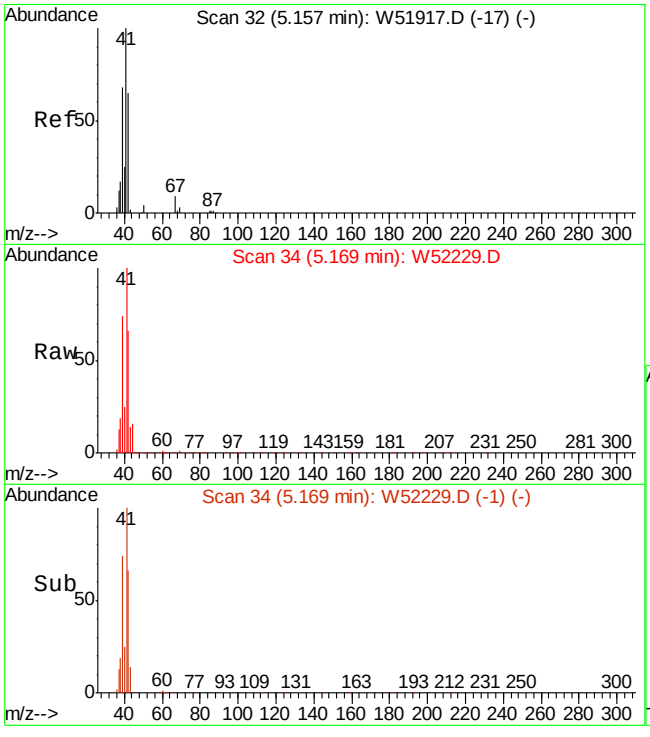


#5
DICHLORODIFLUOROMETHANE
Concen: 0.16 PPBV
RT: 5.25 min Scan# 47
Delta R.T. 0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 85 Resp: 5053

Ion	Ratio	Lower	Upper
85	100		
87	32.6	12.4	52.4
50	12.2	0.0	30.9

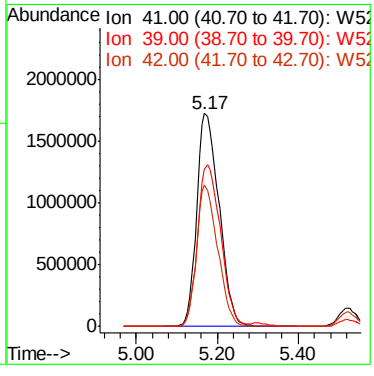


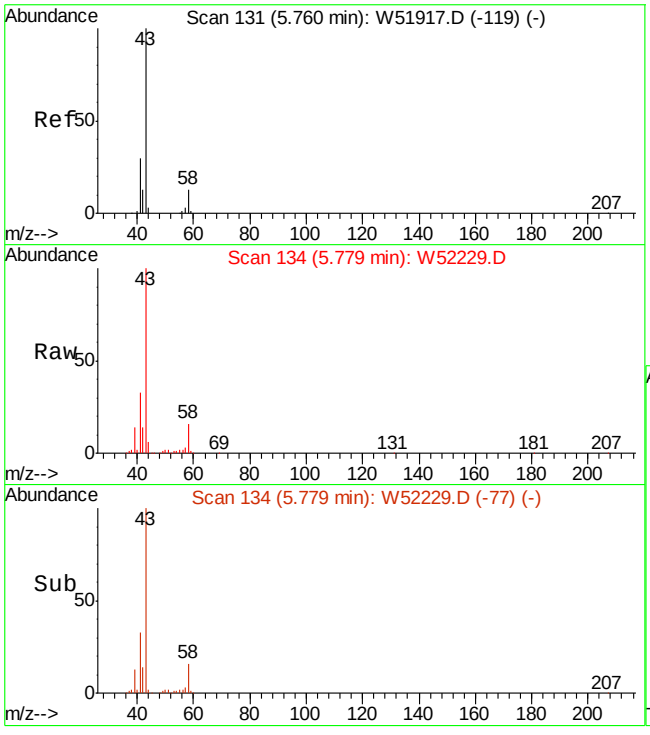


#6
PROPYLENE
Concen: 536.24 PPBV
RT: 5.17 min Scan# 34
Delta R.T. 0.00 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 41 Resp: 6639886

Ion	Ratio	Lower	Upper
41	100		
39	73.9	49.2	89.2
42	66.2	44.6	84.6

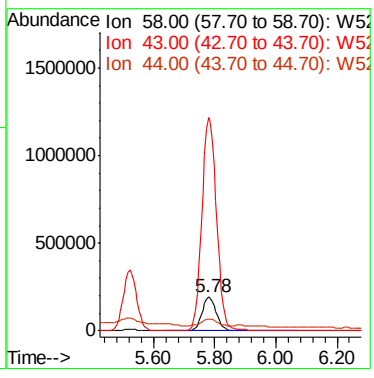


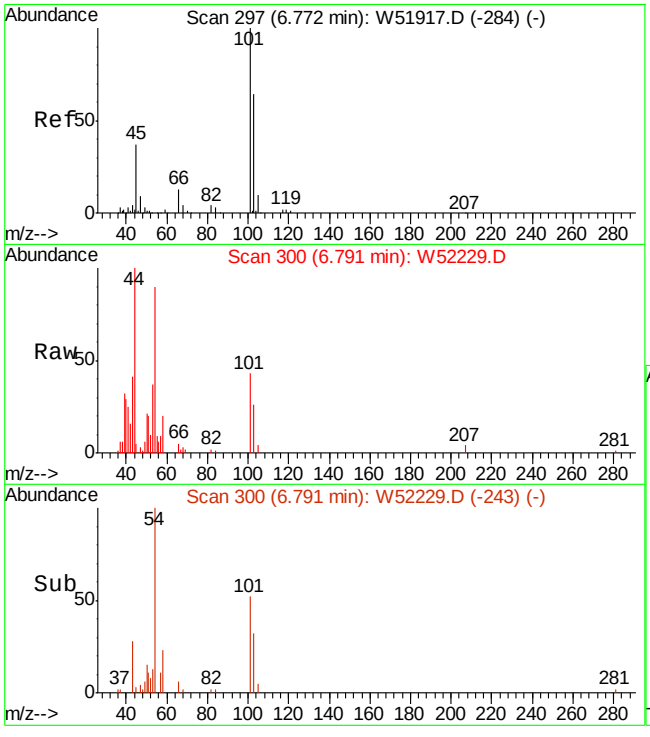


#12
n-BUTANE
Concen: 195.03 PPBV
RT: 5.78 min Scan# 134
Delta R.T. 0.02 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 58 Resp: 621546

Ion	Ratio	Lower	Upper
58	100		
43	648.2	577.4	866.0
44	40.4	20.6	30.8#

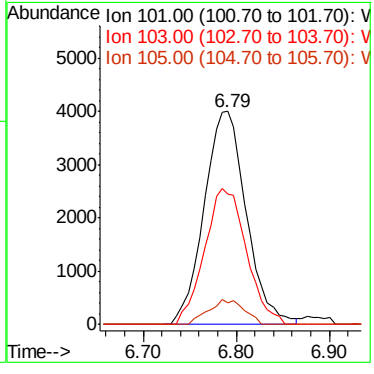


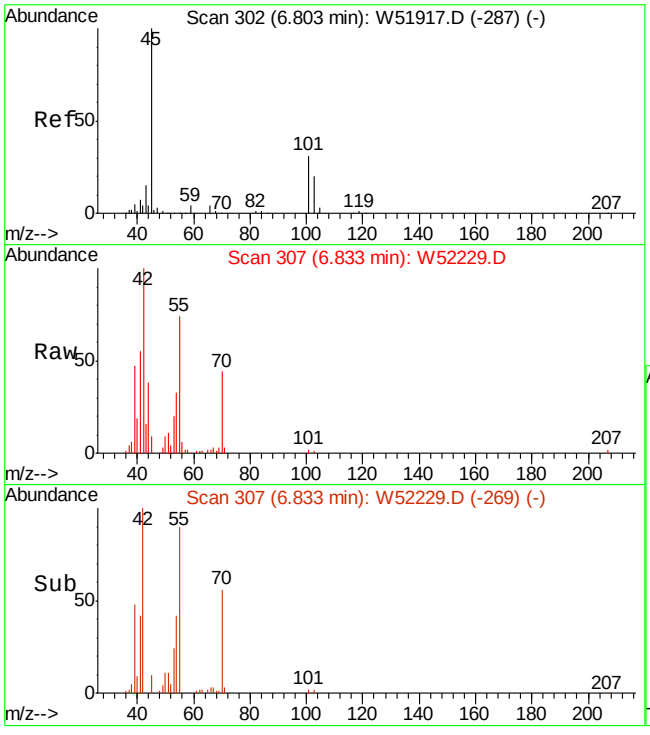


#17
TRICHLOROFLUOROMETHANE
Concen: 0.44 PPBV
RT: 6.79 min Scan# 300
Delta R.T. 0.02 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion:101 Resp: 12666

Ion	Ratio	Lower	Upper
101	100		
103	63.3	44.7	84.7
105	9.9	0.0	30.4

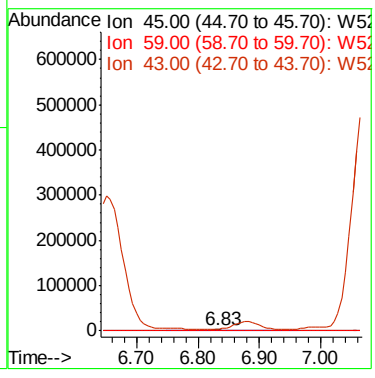


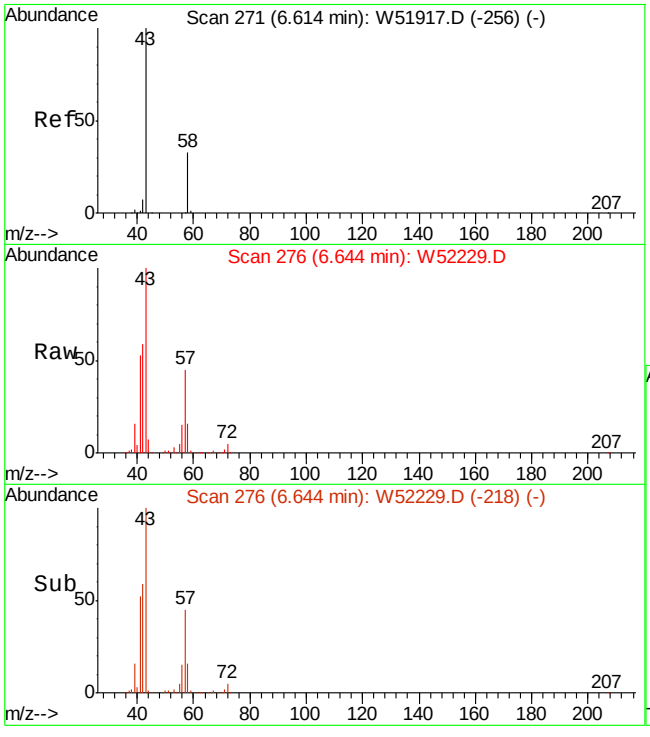


#18
ISOPROPYL ALCOHOL
Concen: 0.29 PPBV
RT: 6.83 min Scan# 307
Delta R.T. 0.03 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 45 Resp: 7788

Ion	Ratio	Lower	Upper
45	100		
59	4.7	0.0	24.3
43	169.8	0.0	37.4#

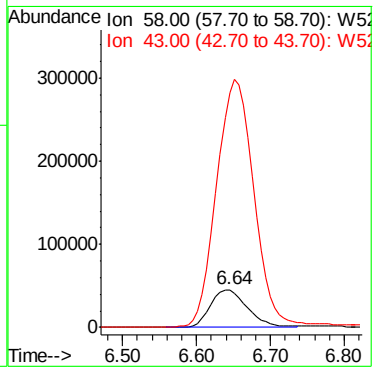


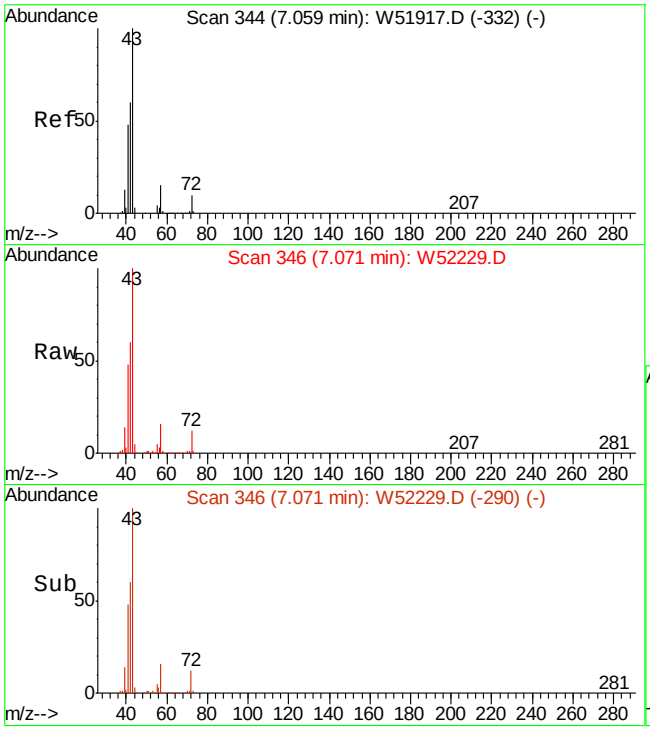


#19
ACETONE
Concen: 21.86 PPBV
RT: 6.64 min Scan# 276
Delta R.T. 0.02 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 58 Resp: 157535

Ion	Ratio	Lower	Upper
58	100		
43	658.6	254.7	294.7#

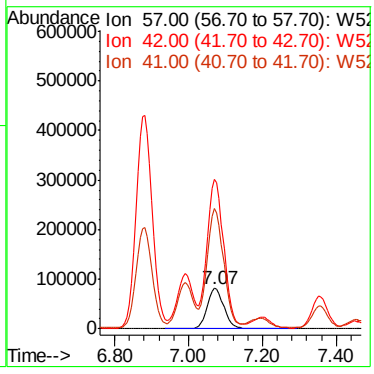


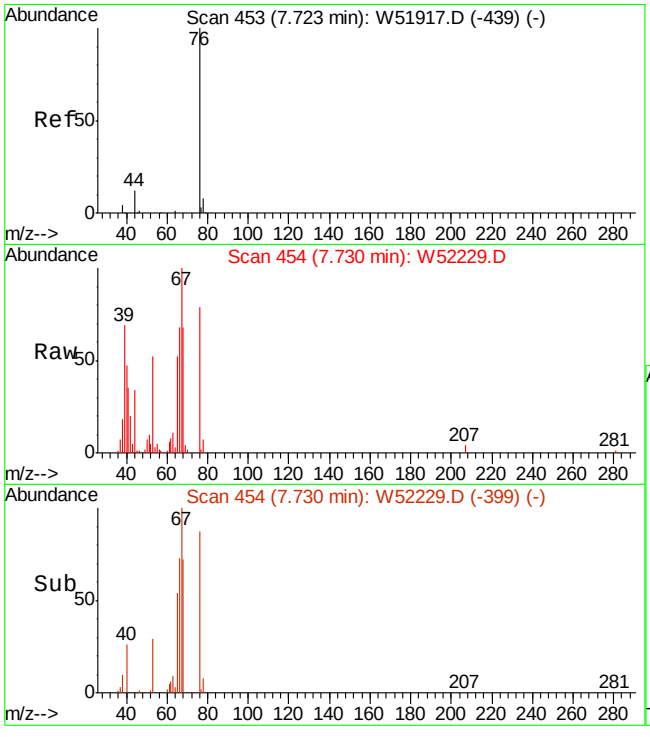


#22
PENTANE
Concen: 61.32 PPBV
RT: 7.07 min Scan# 346
Delta R.T. 0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 57 Resp: 246842

Ion	Ratio	Lower	Upper
57	100		
42	348.6	366.1	406.1#
41	275.1	286.4	326.4#

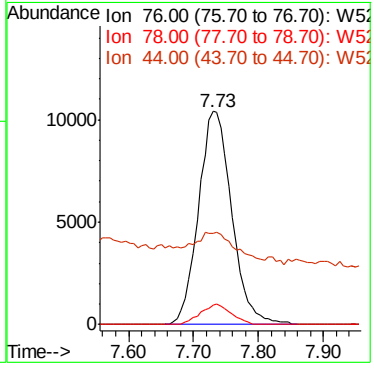


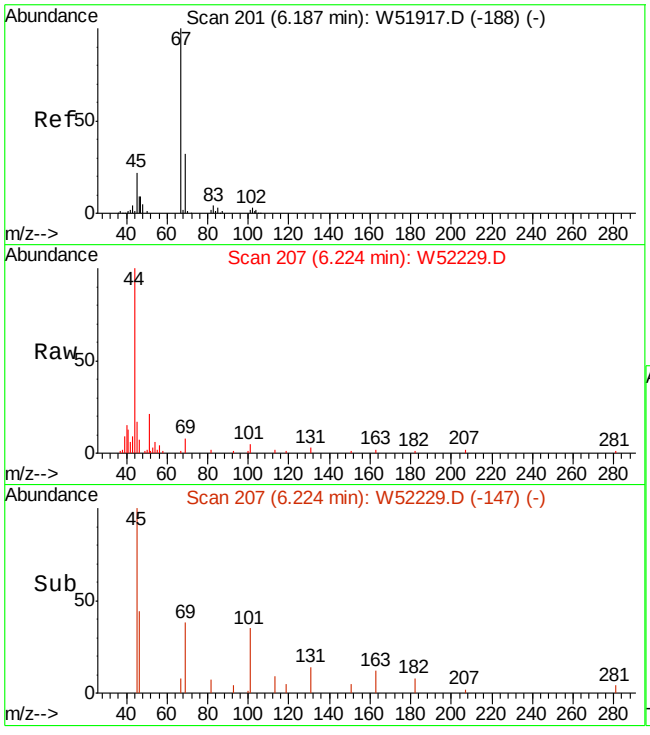


#25
CARBON DISULFIDE
Concen: 0.94 PPBV
RT: 7.73 min Scan# 454
Delta R.T. 0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 76 Resp: 37112

Ion	Ratio	Lower	Upper
76	100		
78	8.8	0.0	29.1
44	15.8	0.0	31.0

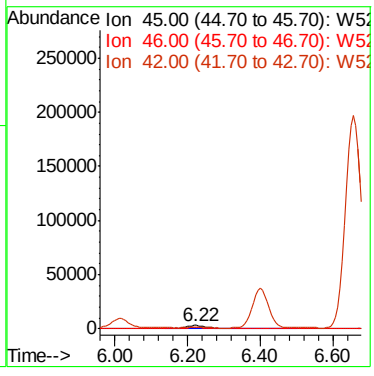


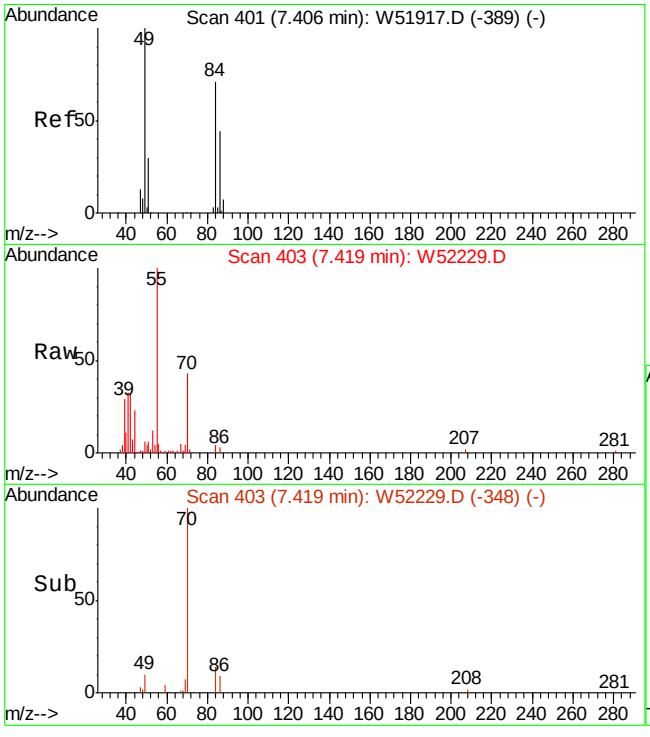


#26
ETHANOL
Concen: 1.86 PPBV
RT: 6.22 min Scan# 207
Delta R.T. 0.04 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 45 Resp: 11464

Ion	Ratio	Lower	Upper
45	100		
46	44.2	19.6	59.6
42	0.0	0.0	28.5

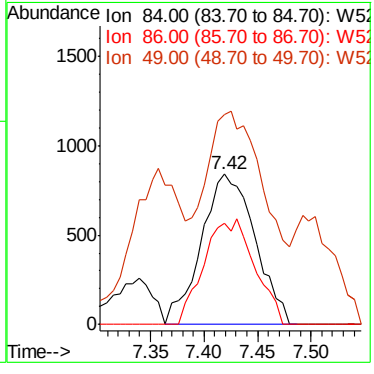


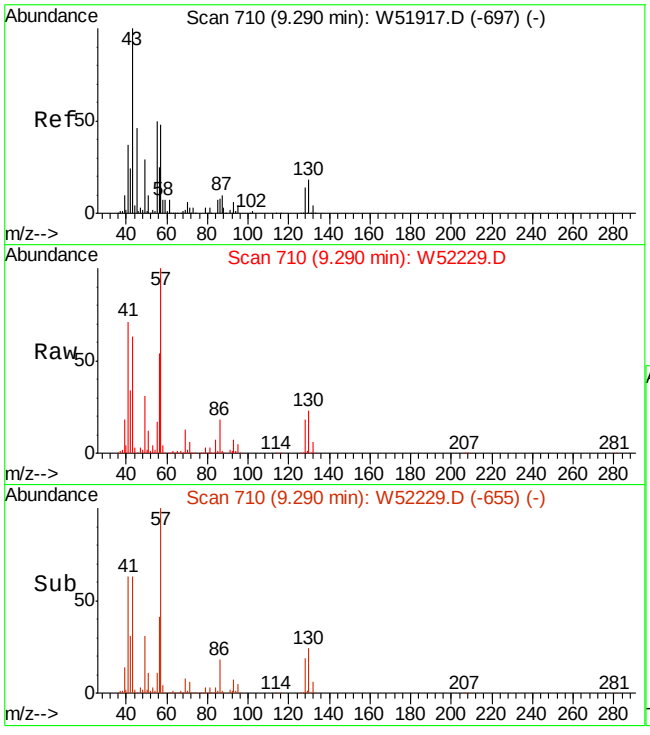


#29
METHYLENE CHLORIDE
Concen: 0.24 PPBV
RT: 7.42 min Scan# 403
Delta R.T. 0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 84 Resp: 2919

Ion	Ratio	Lower	Upper
84	100		
86	66.2	43.4	83.4
49	162.0	0.0	325.0

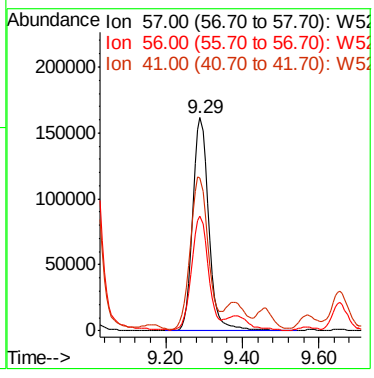


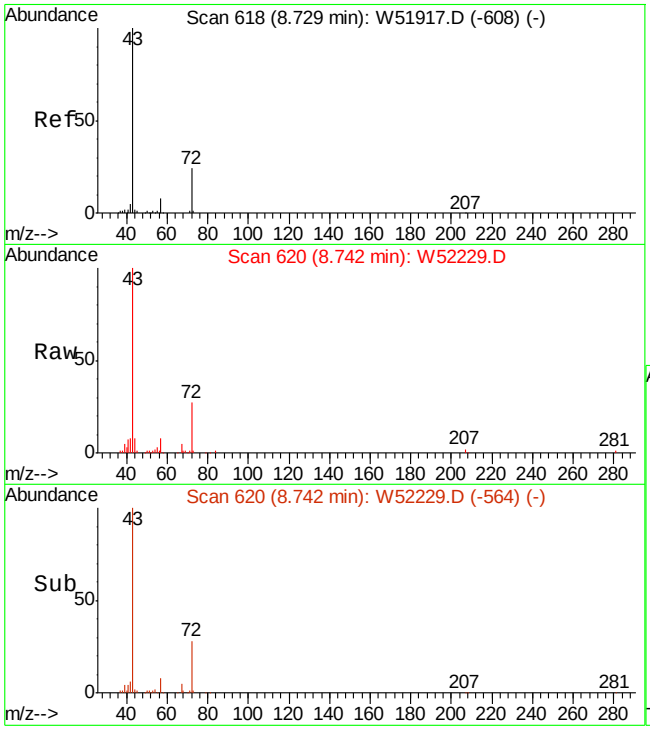


#36
HEXANE
Concen: 19.68 PPBV
RT: 9.29 min Scan# 710
Delta R.T. 0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 57 Resp: 460724

Ion	Ratio	Lower	Upper
57	100		
56	56.6	31.5	71.5
41	80.1	73.1	113.1

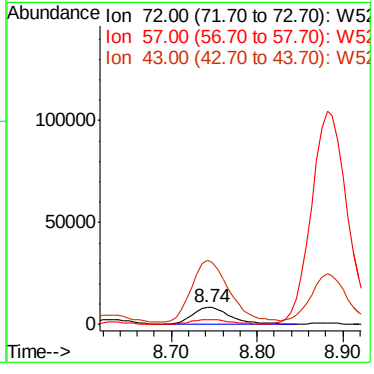


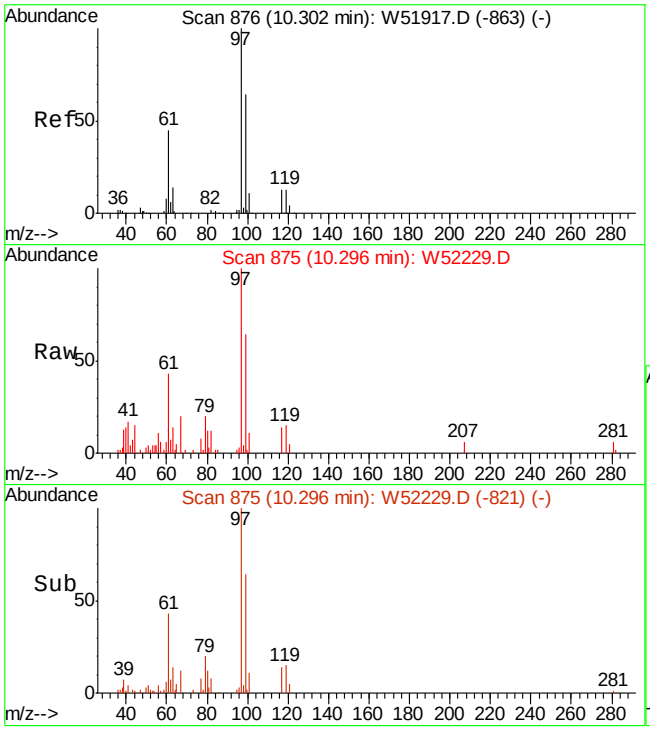


#39
METHYL ETHYL KETONE
Concen: 4.18 PPBV
RT: 8.74 min Scan# 620
Delta R.T. 0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 72 Resp: 26823

Ion	Ratio	Lower	Upper
72	100		
57	29.0	10.6	50.6
43	367.8	362.9	402.9

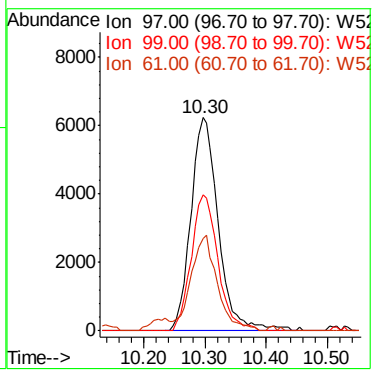


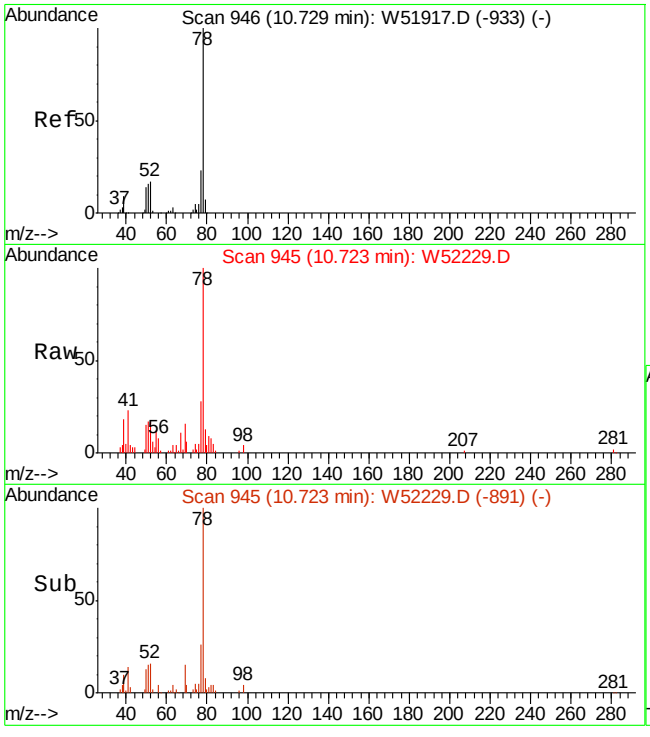


#46
1,1,1-TRICHLOROETHANE
Concen: 0.78 PPBV
RT: 10.30 min Scan# 875
Delta R.T. 0.00 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 97 Resp: 19365

Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.3	84.3
61	43.2	23.0	63.0

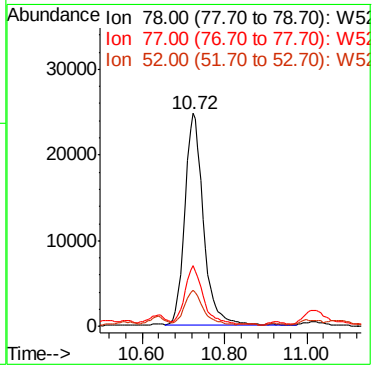


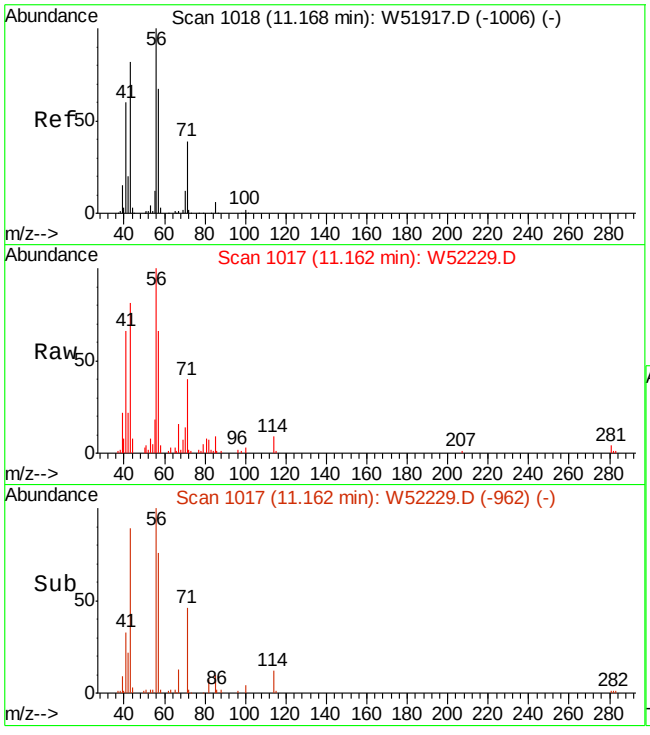


#50
BENZENE
Concen: 1.85 PPBV
RT: 10.72 min Scan# 945
Delta R.T. 0.00 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 78 Resp: 76776

Ion	Ratio	Lower	Upper
78	100		
77	28.0	3.1	43.1
52	16.5	0.0	35.4

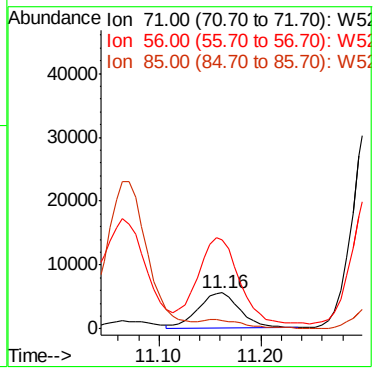


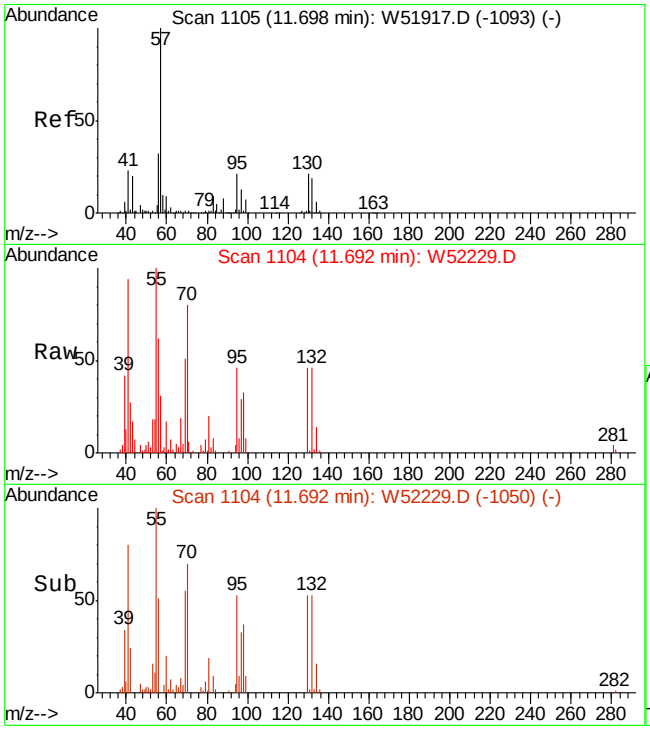


#52
2,3-DIMETHYLPENTANE
Concen: 1.69 PPBV
RT: 11.16 min Scan# 1017
Delta R.T. 0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 71 Resp: 15722

Ion	Ratio	Lower	Upper
71	100		
56	246.7	194.0	291.0
85	0.0	13.6	20.4#

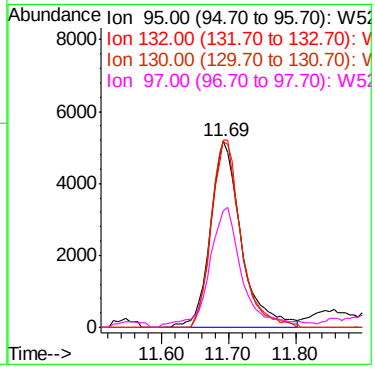


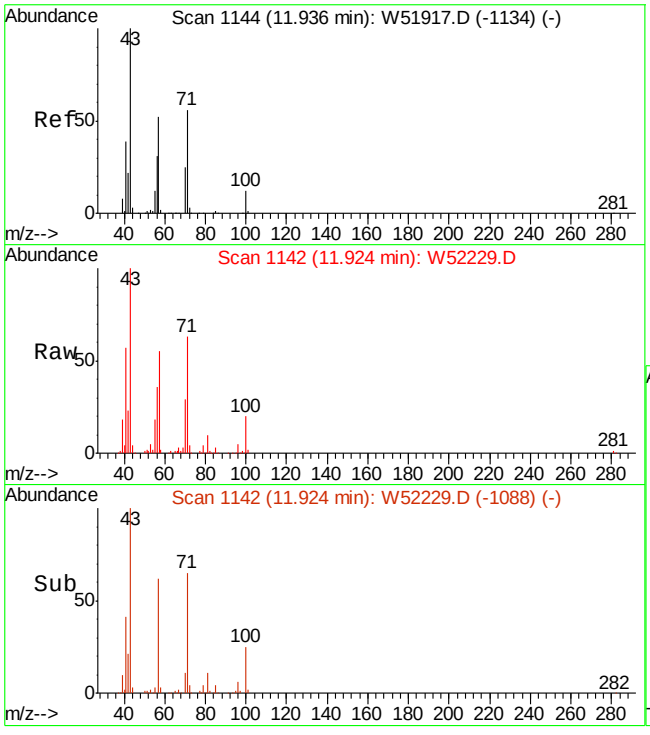


#53
TRICHLOROETHYLENE
Concen: 1.00 PPBV
RT: 11.69 min Scan# 1104
Delta R.T. 0.00 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 95 Resp: 16629

Ion	Ratio	Lower	Upper
95	100		
132	93.6	79.9	119.9
130	97.1	84.5	124.5
97	69.1	44.4	84.4

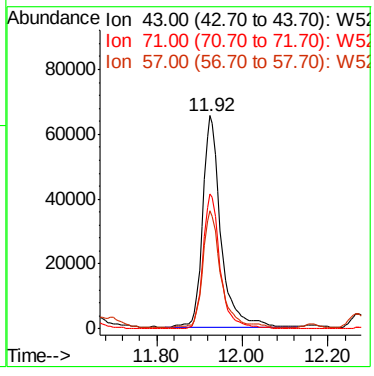


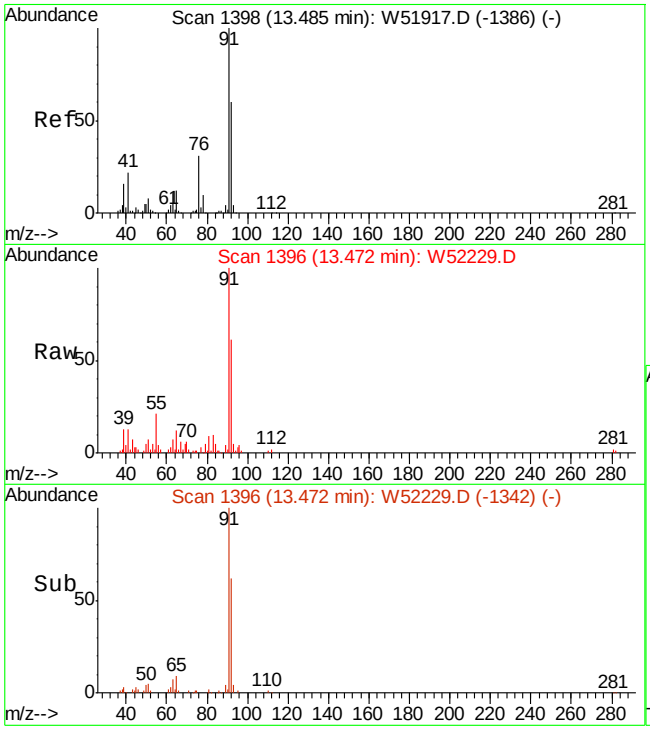


#61
HEPTANE
Concen: 7.68 PPBV
RT: 11.92 min Scan# 1142
Delta R.T. 0.00 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 43 Resp: 192589

Ion	Ratio	Lower	Upper
43	100		
71	61.0	41.8	81.8
57	55.2	39.5	79.5

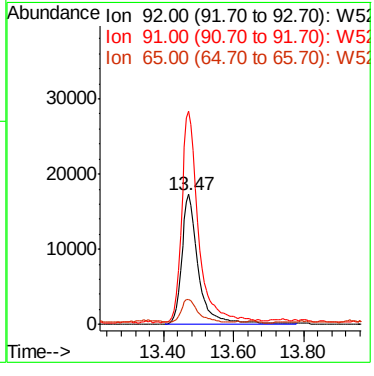


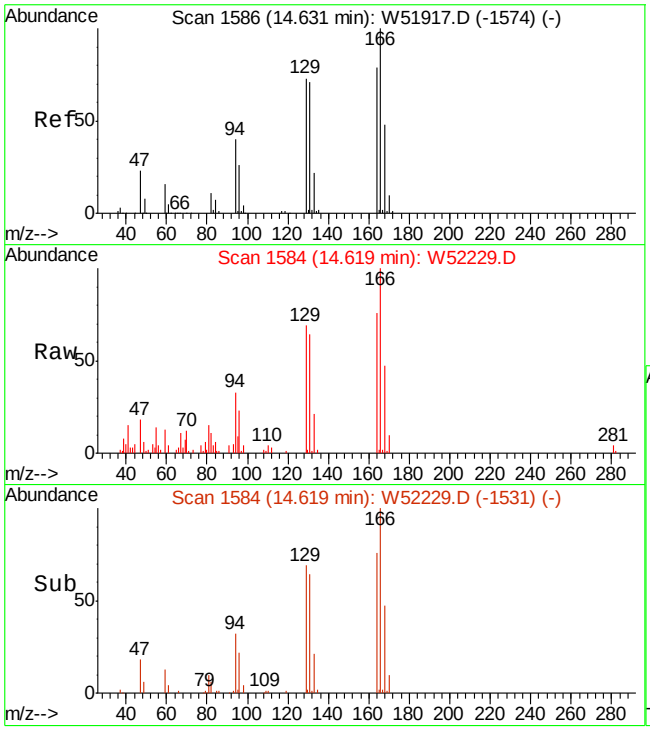


#64
TOLUENE
Concen: 2.07 PPBV
RT: 13.47 min Scan# 1396
Delta R.T. 0.00 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 92 Resp: 57748

Ion	Ratio	Lower	Upper
92	100		
91	162.4	148.1	188.1
65	17.9	0.3	40.3

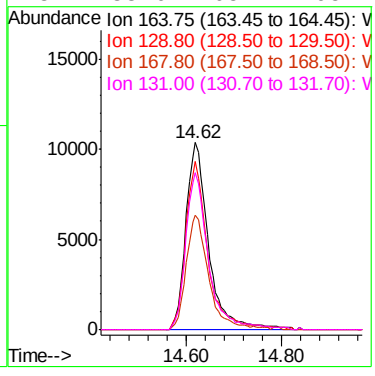


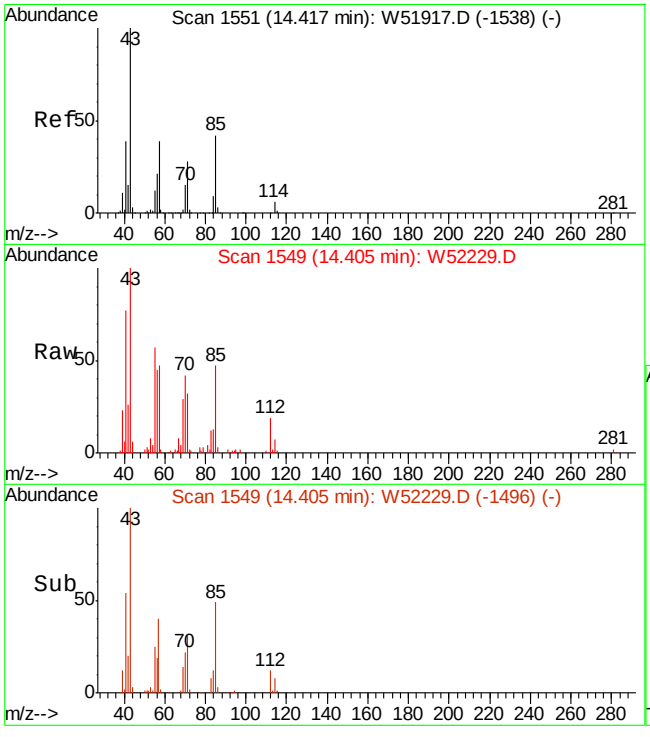


#70
TETRACHLOROETHYLENE
Concen: 2.04 PPBV
RT: 14.62 min Scan# 1584
Delta R.T. -0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion:164 Resp: 34388

Ion	Ratio	Lower	Upper
164	100		
129	87.3	69.3	109.3
168	60.3	41.4	81.4
131	83.6	65.4	105.4

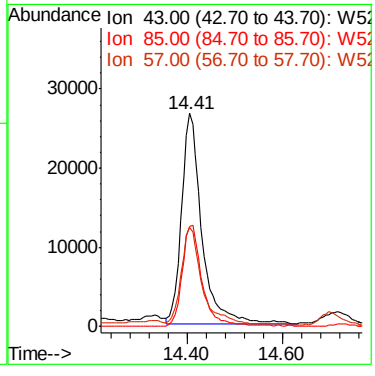


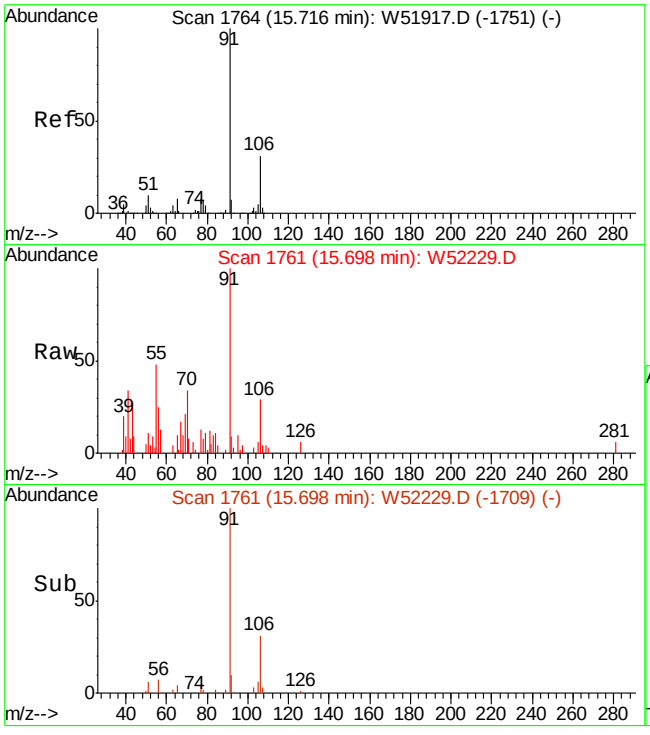


#73
OCTANE
Concen: 2.41 PPBV
RT: 14.41 min Scan# 1549
Delta R.T. -0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 43 Resp: 78470

Ion	Ratio	Lower	Upper
43	100		
85	48.0	39.5	59.3
57	45.9	33.4	50.0

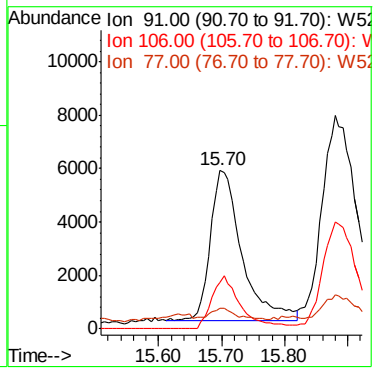


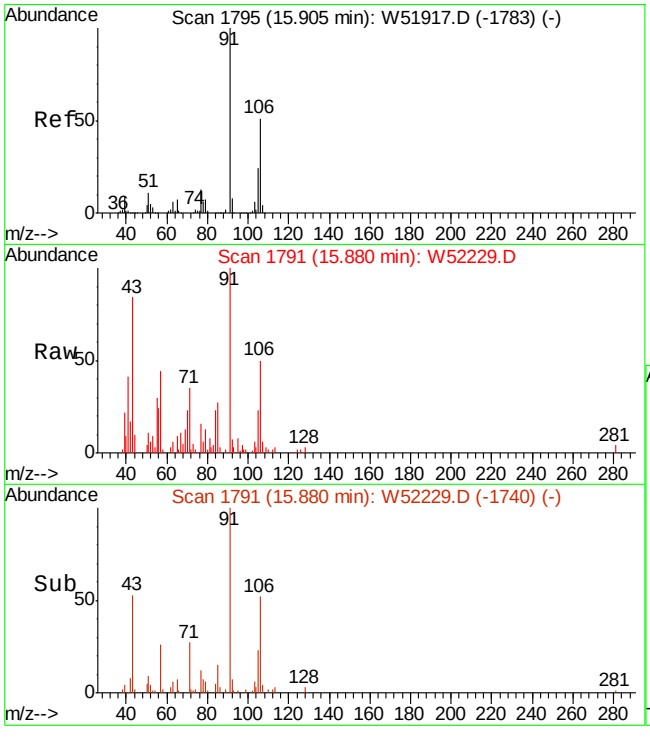


#76
ETHYLBENZENE
Concen: 0.35 PPBV
RT: 15.70 min Scan# 1761
Delta R.T. -0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 91 Resp: 19593

Ion	Ratio	Lower	Upper
91	100		
106	32.3	11.2	51.2
77	6.3	0.0	28.1

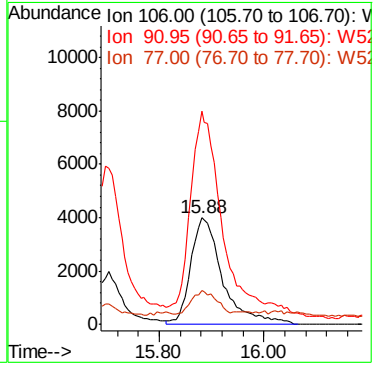


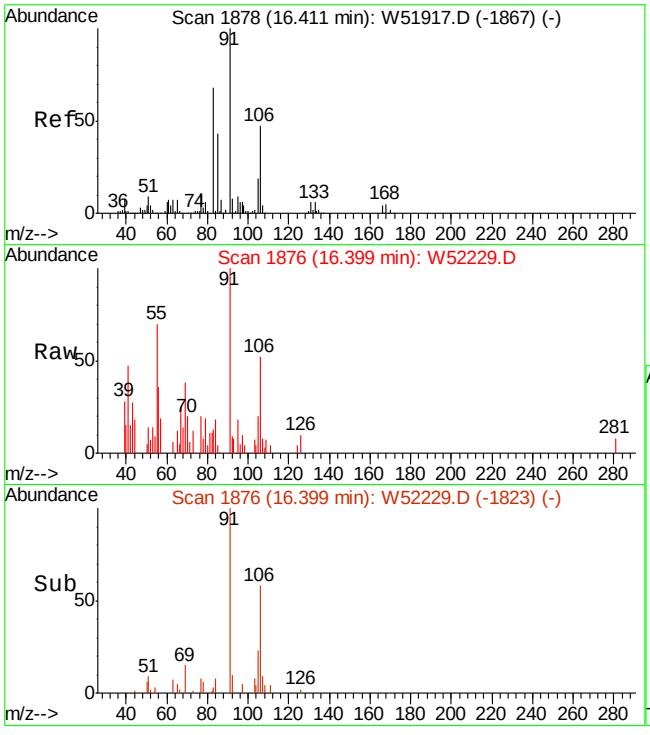


#77
m,p-XYLENE
Concen: 0.76 PPBV
RT: 15.88 min Scan# 1791
Delta R.T. -0.02 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion:106 Resp: 16978

Ion	Ratio	Lower	Upper
106	100		
91	200.5	155.4	233.2
77	32.0	19.8	29.6#

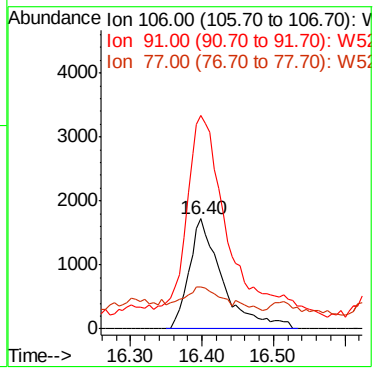


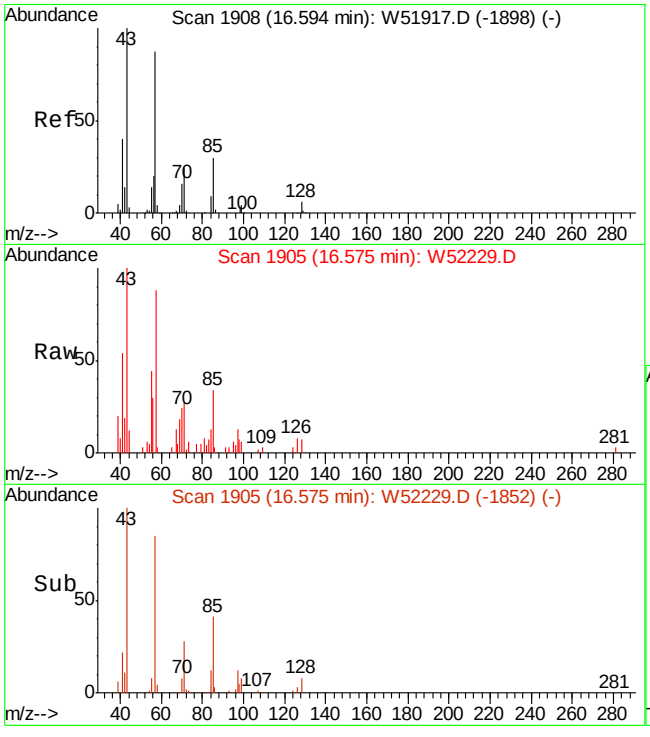


#78
o-XYLENE
Concen: 0.28 PPBV
RT: 16.40 min Scan# 1876
Delta R.T. -0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion:106 Resp: 5592

Ion	Ratio	Lower	Upper
106	100		
91	226.9	187.6	227.6
77	31.8	6.2	46.2

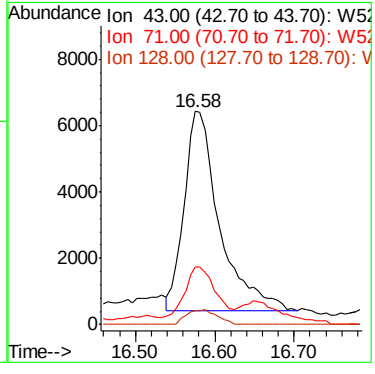




#81
NONANE
Concen: 0.60 PPBV
RT: 16.58 min Scan# 1905
Delta R.T. -0.01 min
Lab File: W52229.D
Acq: 30 Oct 2015 1:45 am

Tgt Ion: 43 Resp: 18592

Ion	Ratio	Lower	Upper
43	100		
71	24.7	7.2	47.2
128	6.5	0.0	27.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52255.D Vial: 1
Acq On : 30 Oct 2015 11:16 pm Operator: youminh
Sample : JC7272-1(A509,A408) Inst : MSW
Misc : MS93717,VW2087,200,,,,50 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:26:48 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

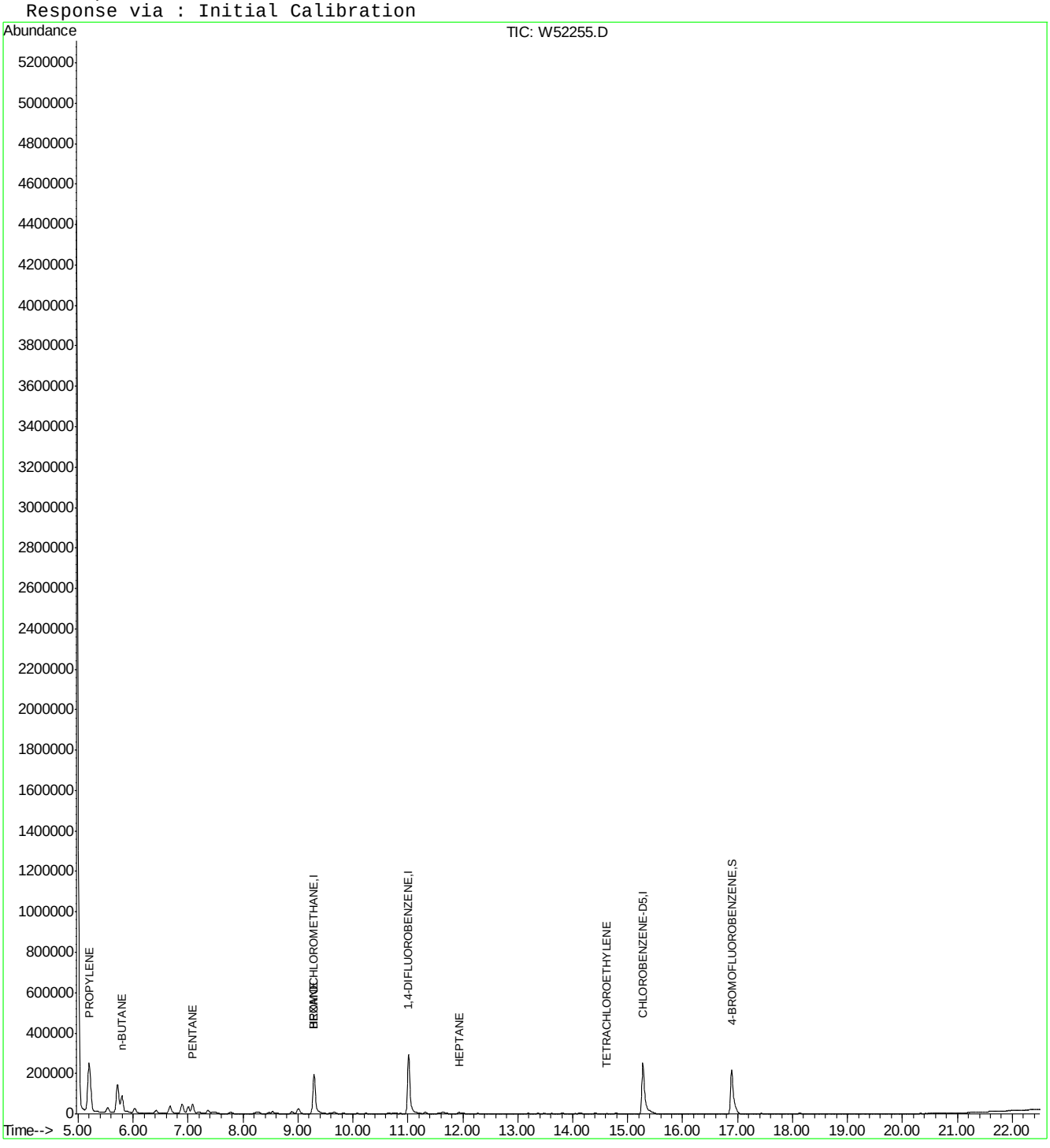
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	88903	10.00	PPBV	0.02
49) 1,4-DIFLUOROBENZENE	11.02	114	427742	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	183654	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	177270	8.83	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 88.30%			
Target Compounds						Qvalue
6) PROPYLENE	5.19	41	260831	23.15	PPBV	97
12) n-BUTANE	5.80	58	19600	6.76	PPBV #	92
22) PENTANE	7.08	57	7575	2.07	PPBV #	90
36) HEXANE	9.30	57	13580	0.64	PPBV	92
61) HEPTANE	11.93	43	5151	0.23	PPBV	91
70) TETRACHLOROETHYLENE	14.61	164	748	0.05	PPBV	86

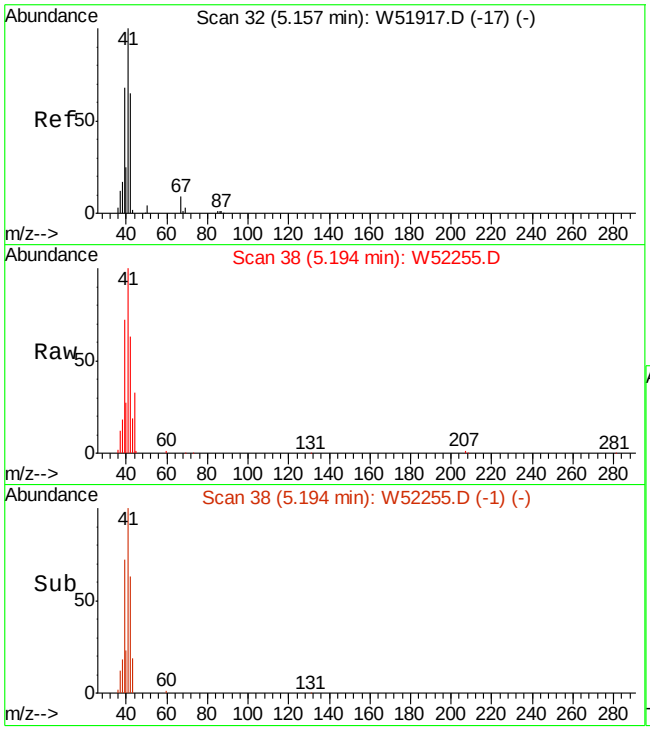
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52255.D Vial: 1
Acq On : 30 Oct 2015 11:16 pm Operator: youminh
Sample : JC7272-1(A509,A408) Inst : MSW
Misc : MS93717,VW2087,200,,,,50 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 2 13:20 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

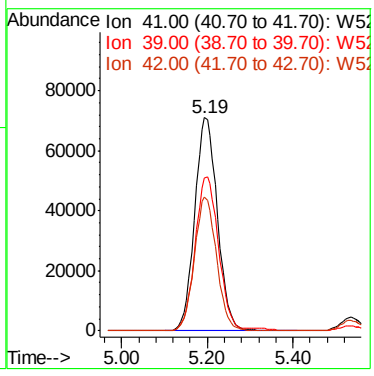


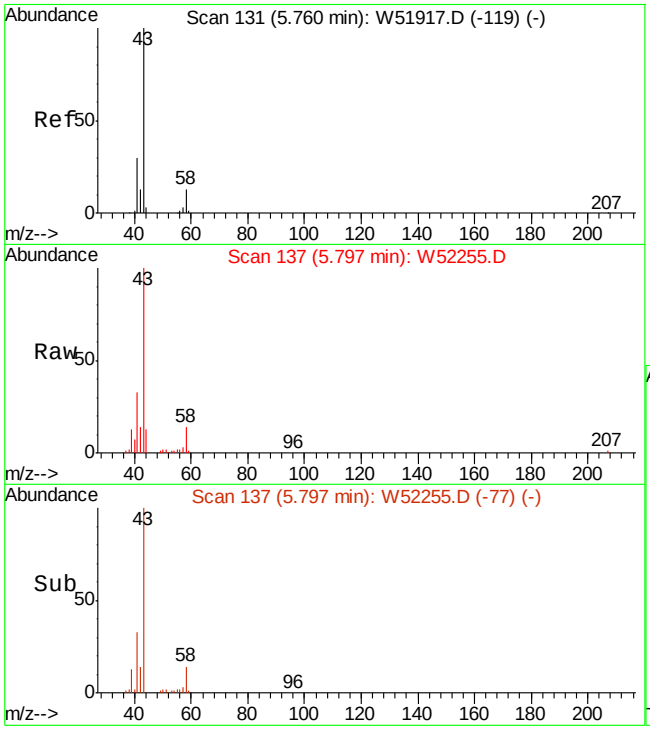


#6
PROPYLENE
Concen: 23.15 PPBV
RT: 5.19 min Scan# 38
Delta R.T. 0.02 min
Lab File: W52255.D
Acq: 30 Oct 2015 11:16 pm

Tgt Ion: 41 Resp: 260831

Ion	Ratio	Lower	Upper
41	100		
39	71.7	49.2	89.2
42	63.0	44.6	84.6

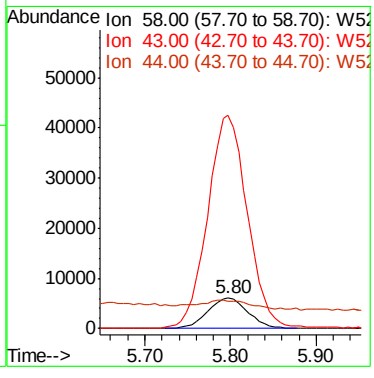


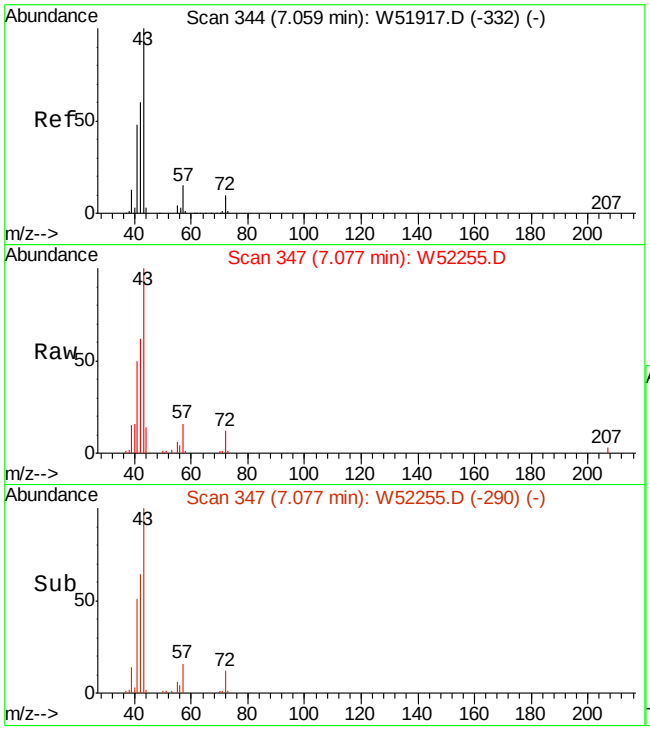


#12
n-BUTANE
Concen: 6.76 PPBV
RT: 5.80 min Scan# 137
Delta R.T. 0.04 min
Lab File: W52255.D
Acq: 30 Oct 2015 11:16 pm

Tgt Ion: 58 Resp: 19600

Ion	Ratio	Lower	Upper
58	100		
43	707.9	577.4	866.0
44	84.7	20.6	30.8#

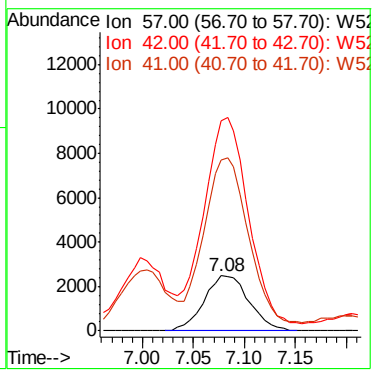


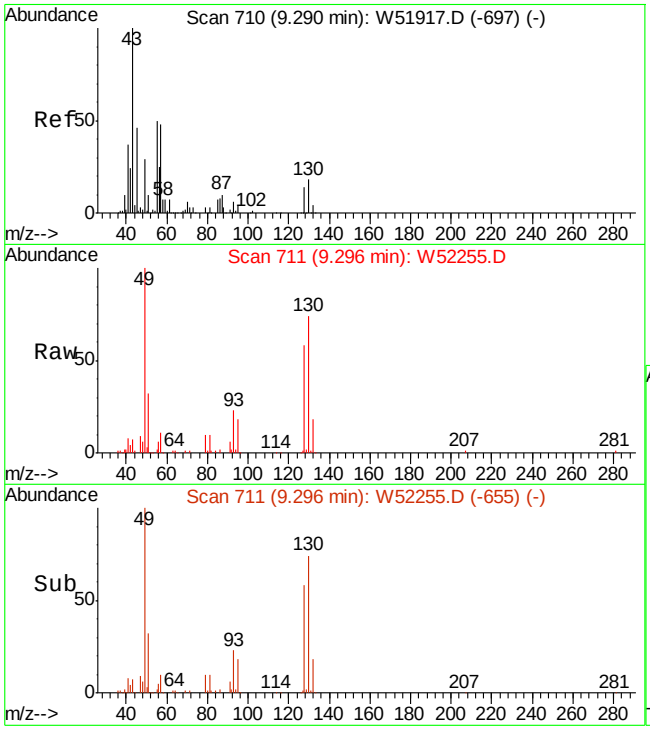


#22
PENTANE
Concen: 2.07 PPBV
RT: 7.08 min Scan# 347
Delta R.T. 0.02 min
Lab File: W52255.D
Acq: 30 Oct 2015 11:16 pm

Tgt Ion: 57 Resp: 7575

Ion	Ratio	Lower	Upper
57	100		
42	363.6	366.1	406.1#
41	284.4	286.4	326.4#

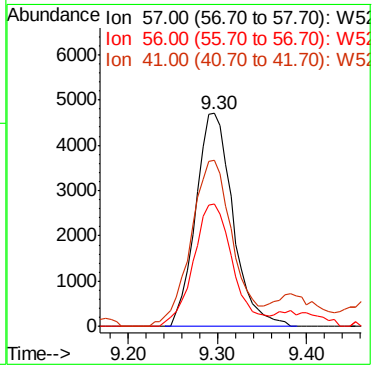


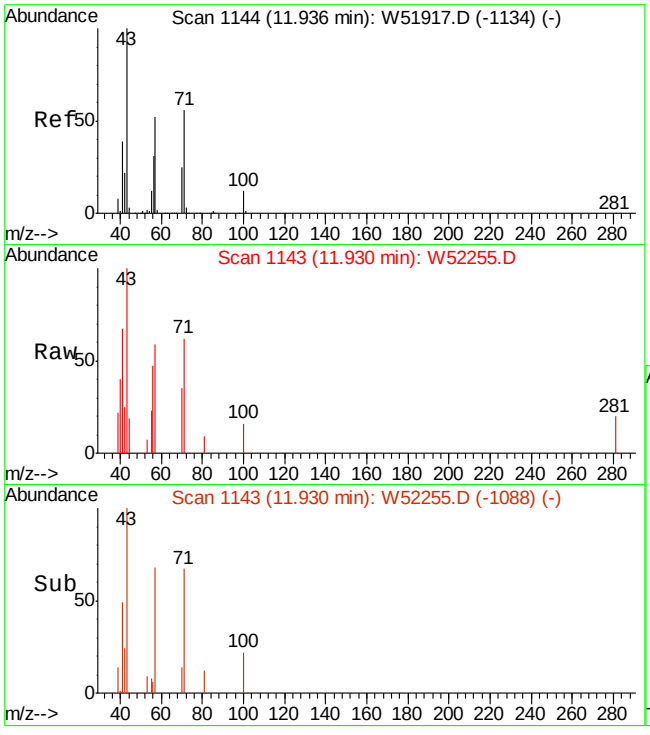


#36
HEXANE
Concen: 0.64 PPBV
RT: 9.30 min Scan# 711
Delta R.T. 0.01 min
Lab File: W52255.D
Acq: 30 Oct 2015 11:16 pm

Tgt Ion: 57 Resp: 13580

Ion	Ratio	Lower	Upper
57	100		
56	61.1	31.5	71.5
41	88.3	73.1	113.1

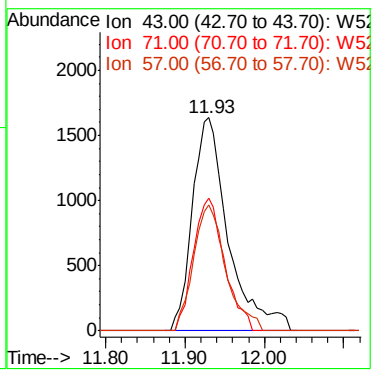


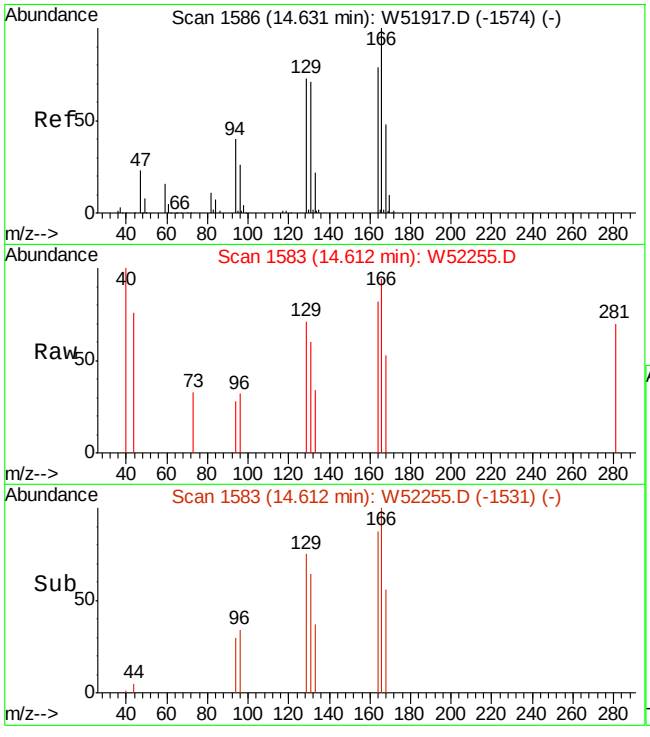


#61
HEPTANE
Concen: 0.23 PPBV
RT: 11.93 min Scan# 1143
Delta R.T. 0.01 min
Lab File: W52255.D
Acq: 30 Oct 2015 11:16 pm

Tgt Ion: 43 Resp: 5151

Ion	Ratio	Lower	Upper
43	100		
71	54.0	41.8	81.8
57	53.2	39.5	79.5

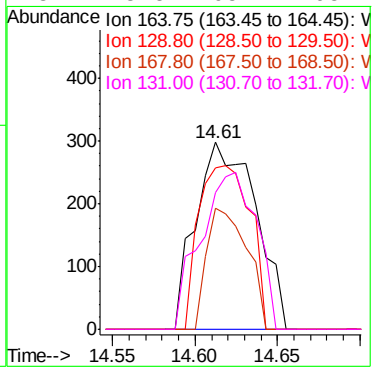




#70
TETRACHLOROETHYLENE
Concen: 0.05 PPBV
RT: 14.61 min Scan# 1583
Delta R.T. -0.01 min
Lab File: W52255.D
Acq: 30 Oct 2015 11:16 pm

Tgt Ion:164 Resp: 748

Ion	Ratio	Lower	Upper
164	100		
129	75.4	69.3	109.3
168	43.7	41.4	81.4
131	78.5	65.4	105.4



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52230.D Vial: 5
Acq On : 30 Oct 2015 2:26 am Operator: youminh
Sample : JC7272-2 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:05:49 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

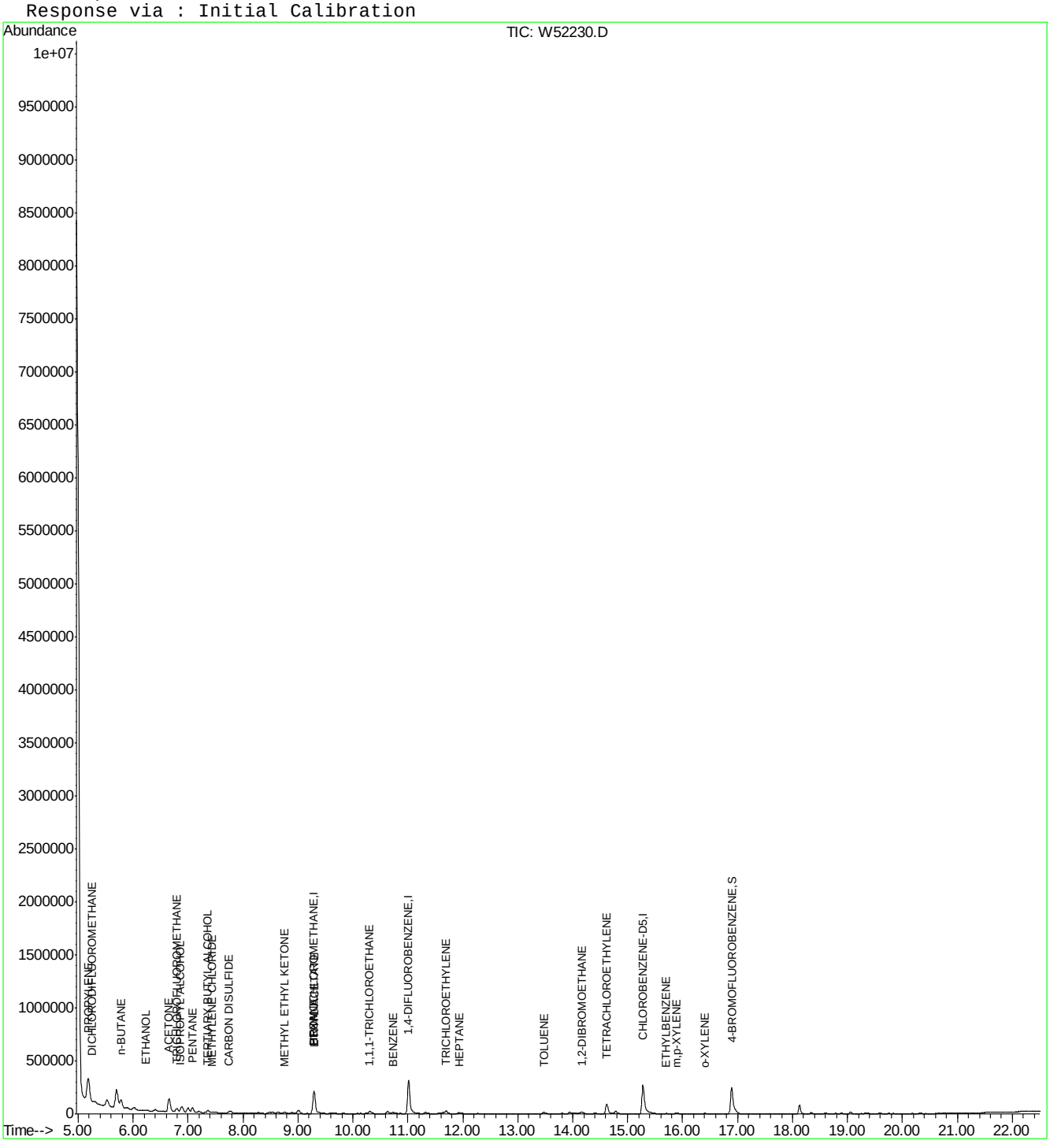
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	92861	10.00	PPBV	0.01
49) 1,4-DIFLUOROBENZENE	11.01	114	453852	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	192662	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	191533	9.09	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 90.90%			
Target Compounds						Qvalue
5) DICHLORODIFLUOROMETHANE	5.25	85	6477	0.21	PPBV	96
6) PROPYLENE	5.18	41	221405	18.82	PPBV	98
12) n-BUTANE	5.78	58	20450	6.75	PPBV #	94
17) TRICHLOROFLUOROMETHANE	6.79	101	47647	1.73	PPBV	100
18) ISOPROPYL ALCOHOL	6.85	45	7218	0.28	PPBV #	28
19) ACETONE	6.65	58	79503	11.61	PPBV #	88
22) PENTANE	7.08	57	7906	2.07	PPBV #	89
25) CARBON DISULFIDE	7.74	76	29872	0.80	PPBV #	84
26) ETHANOL	6.23	45	11169	1.91	PPBV	94
29) METHYLENE CHLORIDE	7.43	84	3468	0.30	PPBV	96
33) TERTIARY BUTYL ALCOHOL	7.36	59	10409	0.39	PPBV #	9
36) HEXANE	9.30	57	17237	0.77	PPBV	92
39) METHYL ETHYL KETONE	8.75	72	8448	1.39	PPBV #	86
42) ETHYL ACETATE	9.30	61	1023	0.24	PPBV #	67
46) 1,1,1-TRICHLOROETHANE	10.30	97	22888	0.97	PPBV	98
50) BENZENE	10.73	78	14988	0.39	PPBV	98
53) TRICHLOROETHYLENE	11.70	95	15072	0.97	PPBV	99
61) HEPTANE	11.92	43	7312	0.31	PPBV	86
64) TOLUENE	13.47	92	12078	0.46	PPBV	94
70) TETRACHLOROETHYLENE	14.62	164	45650	3.15	PPBV	98
72) 1,2-DIBROMOETHANE	14.17	107	23415	1.39	PPBV	97
76) ETHYLBENZENE	15.70	91	5740	0.12	PPBV	90
77) m,p-XYLENE	15.89	106	6730	0.35	PPBV	98
78) o-XYLENE	16.41	106	2493	0.14	PPBV	89

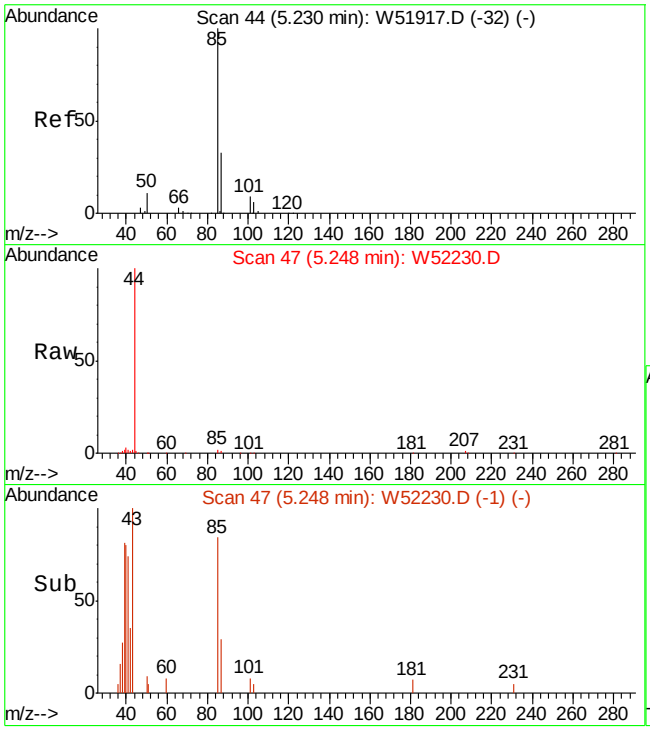
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52230.D Vial: 5
Acq On : 30 Oct 2015 2:26 am Operator: youminh
Sample : JC7272-2 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:37 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

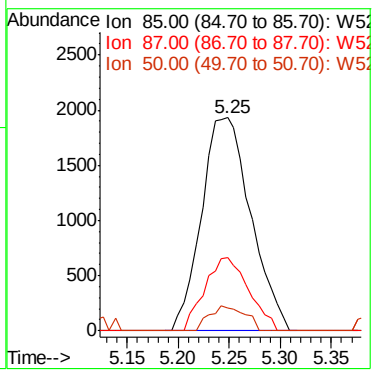


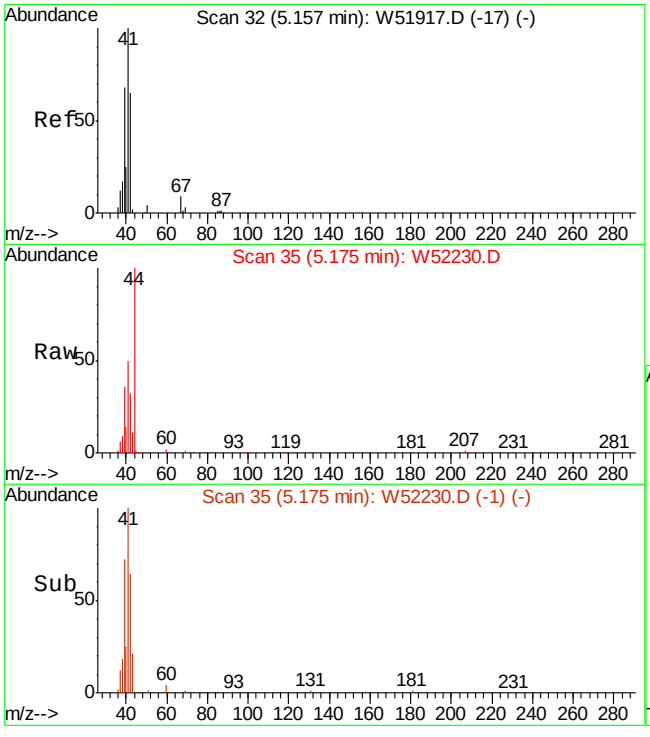


#5
DICHLORODIFLUOROMETHANE
Concen: 0.21 PPBV
RT: 5.25 min Scan# 47
Delta R.T. 0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 85 Resp: 6477

Ion	Ratio	Lower	Upper
85	100		
87	30.6	12.4	52.4
50	8.4	0.0	30.9

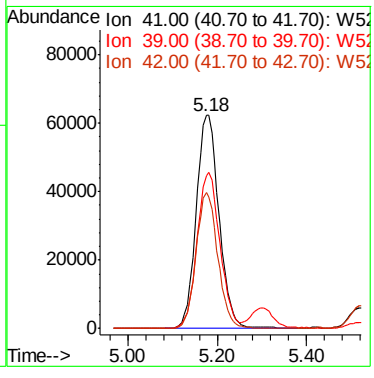


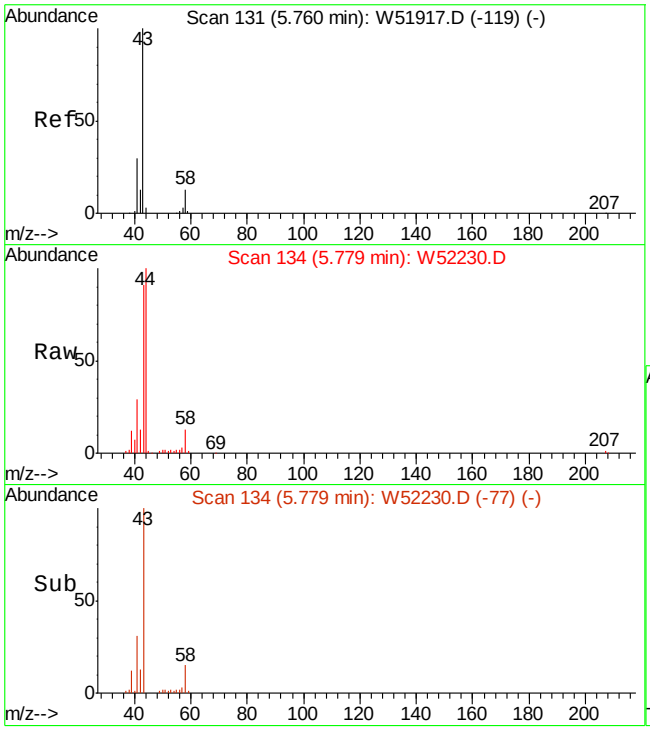


#6
PROPYLENE
Concen: 18.82 PPBV
RT: 5.18 min Scan# 35
Delta R.T. 0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 41 Resp: 221405

Ion	Ratio	Lower	Upper
41	100		
39	71.7	49.2	89.2
42	63.8	44.6	84.6

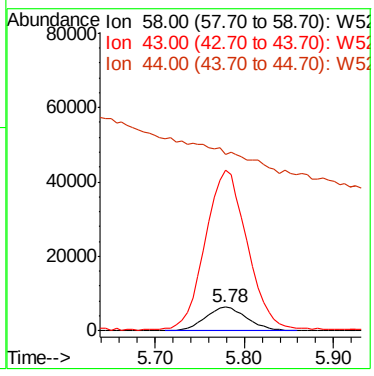


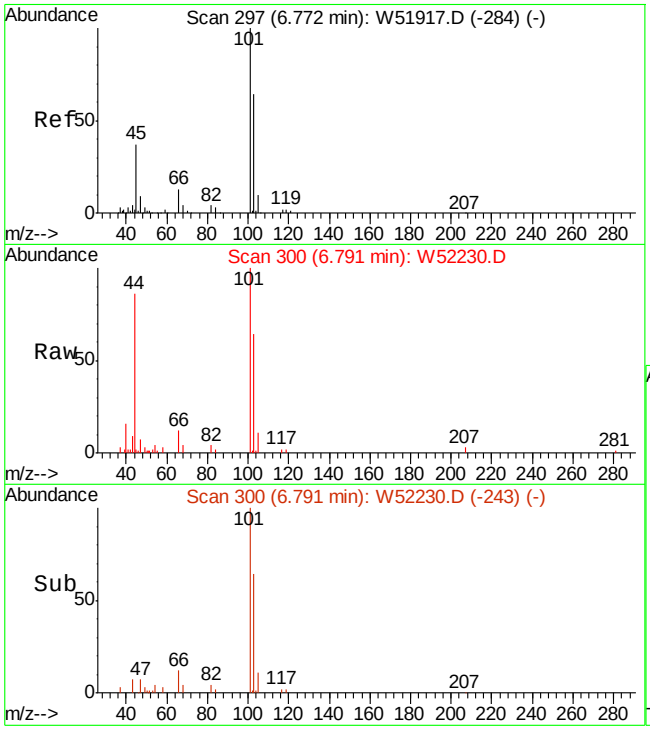


#12
n-BUTANE
Concen: 6.75 PPBV
RT: 5.78 min Scan# 134
Delta R.T. 0.02 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 58 Resp: 20450

Ion	Ratio	Lower	Upper
58	100		
43	706.8	577.4	866.0
44	0.0	20.6	30.8#

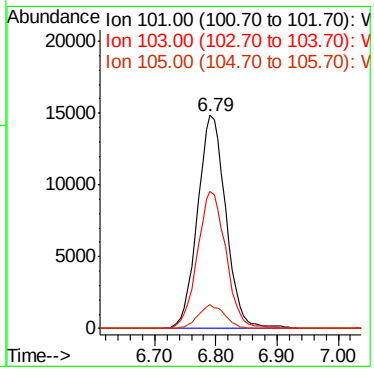


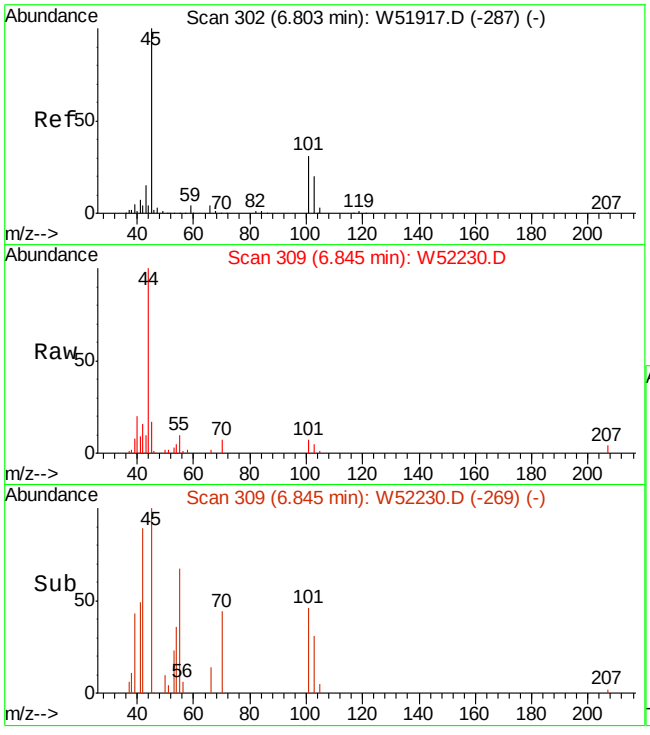


#17
TRICHLOROFLUOROMETHANE
Concen: 1.73 PPBV
RT: 6.79 min Scan# 300
Delta R.T. 0.02 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion:101 Resp: 47647

Ion	Ratio	Lower	Upper
101	100		
103	65.0	44.7	84.7
105	10.4	0.0	30.4

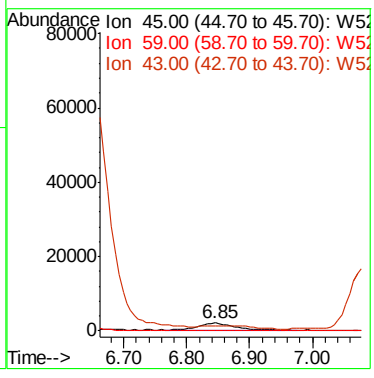


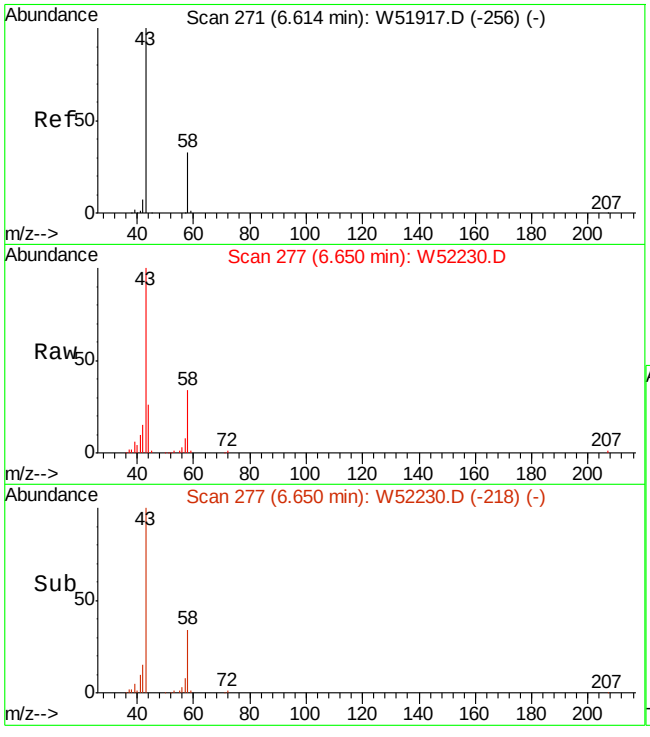


#18
ISOPROPYL ALCOHOL
Concen: 0.28 PPBV
RT: 6.85 min Scan# 309
Delta R.T. 0.04 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 45 Resp: 7218

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	24.3
43	55.1	0.0	37.4#

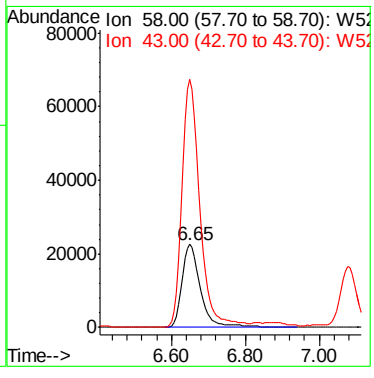


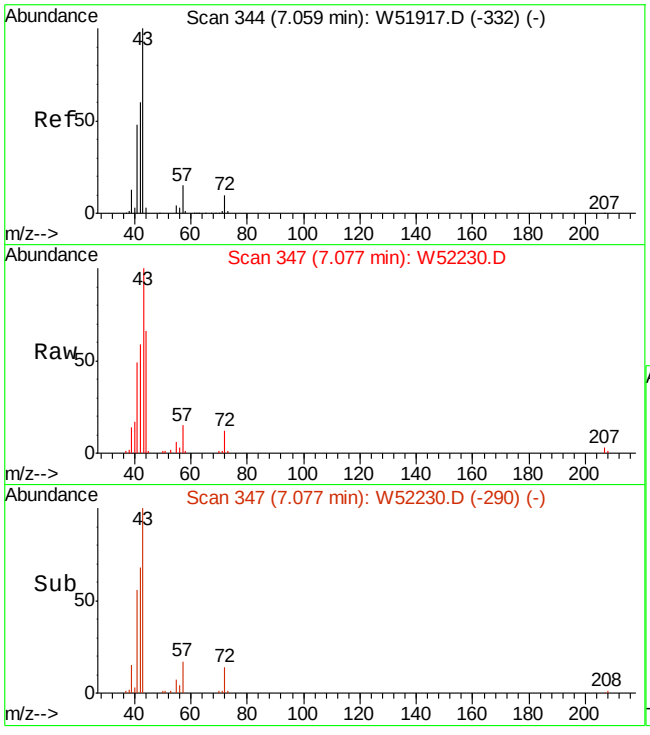


#19
ACETONE
Concen: 11.61 PPBV
RT: 6.65 min Scan# 277
Delta R.T. 0.03 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 58 Resp: 79503

Ion	Ratio	Lower	Upper
58	100		
43	297.1	254.7	294.7#

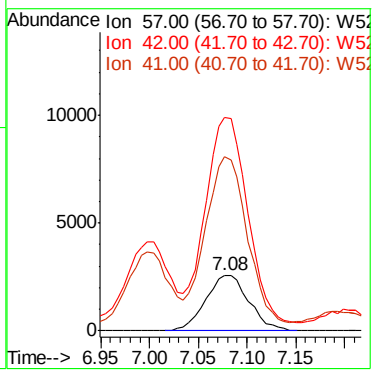


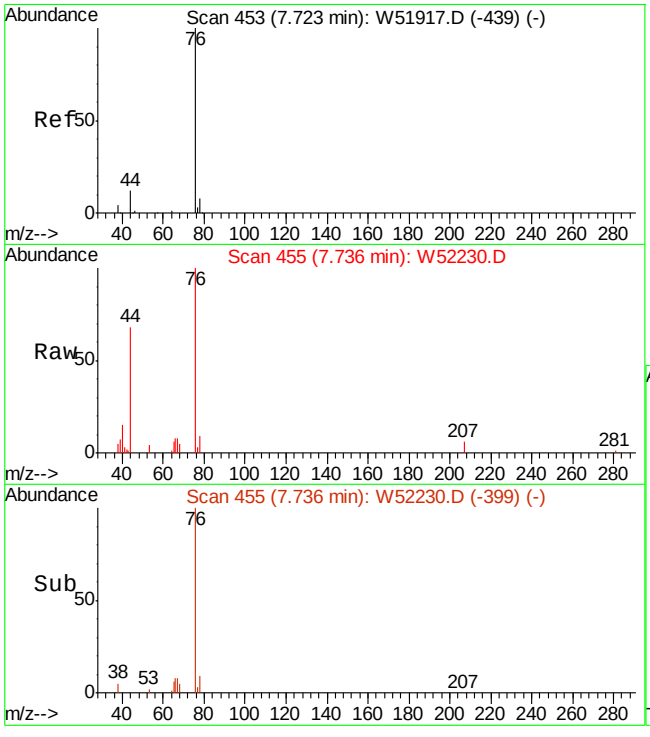


#22
PENTANE
Concen: 2.07 PPBV
RT: 7.08 min Scan# 347
Delta R.T. 0.02 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 57 Resp: 7906

Ion	Ratio	Lower	Upper
57	100		
42	358.9	366.1	406.1#
41	286.6	286.4	326.4

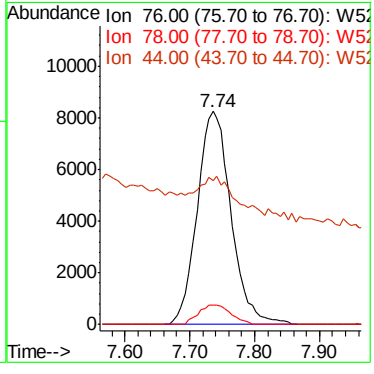


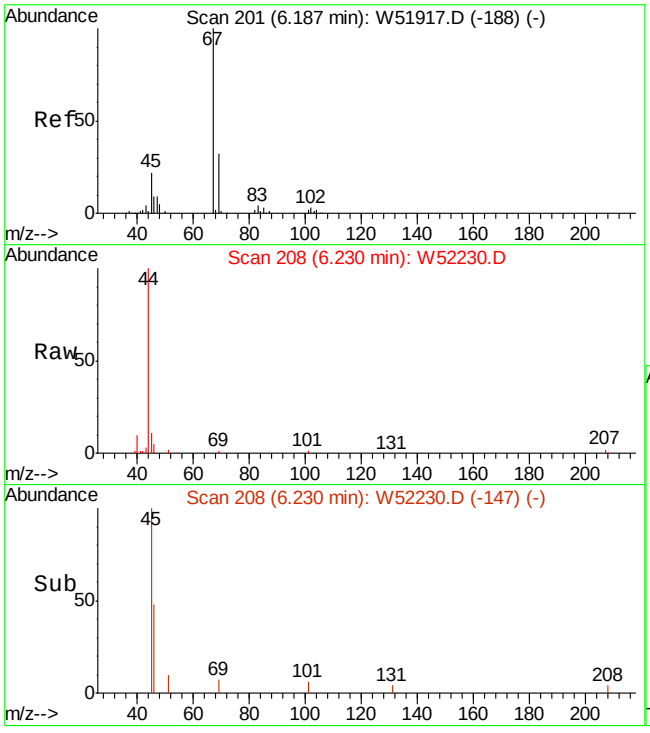


#25
CARBON DISULFIDE
Concen: 0.80 PPBV
RT: 7.74 min Scan# 455
Delta R.T. 0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 76 Resp: 29872

Ion	Ratio	Lower	Upper
76	100		
78	8.7	0.0	29.1
44	0.0	0.0	31.0

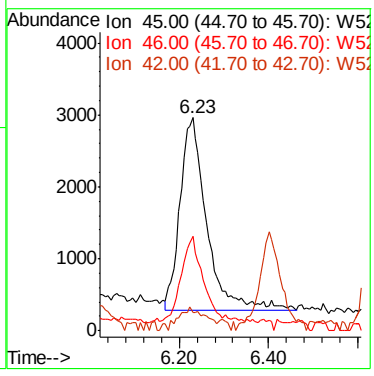


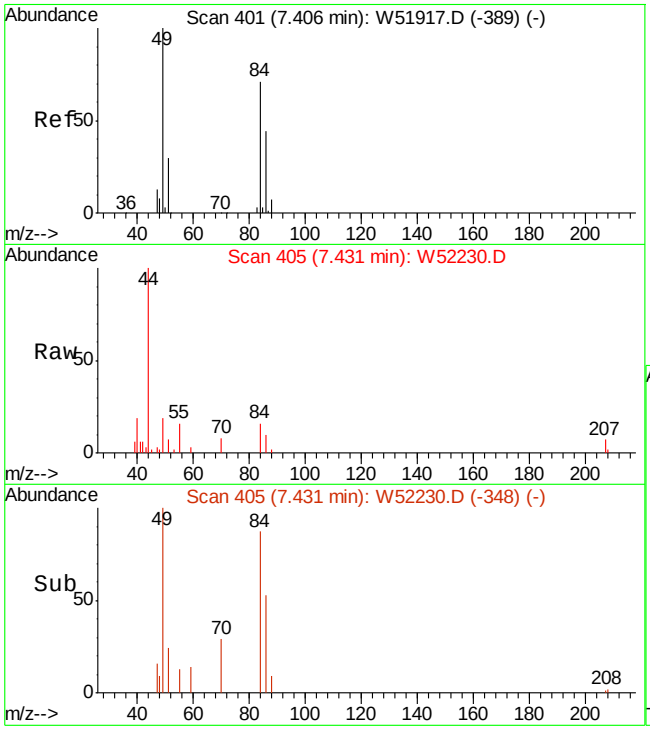


#26
ETHANOL
Concen: 1.91 PPBV
RT: 6.23 min Scan# 208
Delta R.T. 0.04 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 45 Resp: 11169

Ion	Ratio	Lower	Upper
45	100		
46	42.5	19.6	59.6
42	12.1	0.0	28.5

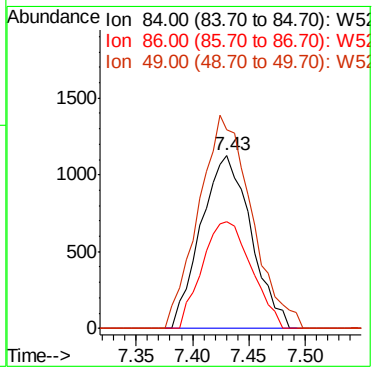


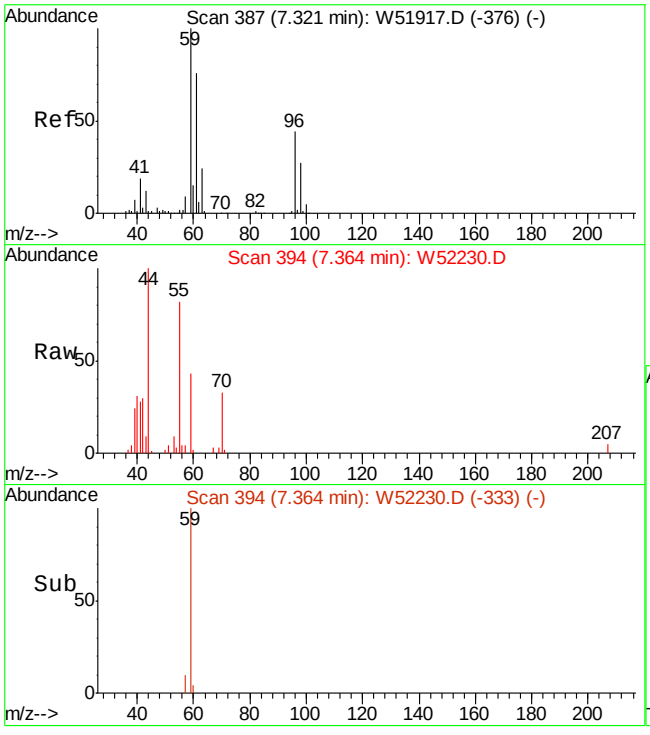


#29
METHYLENE CHLORIDE
Concen: 0.30 PPBV
RT: 7.43 min Scan# 405
Delta R.T. 0.02 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 84 Resp: 3468

Ion	Ratio	Lower	Upper
84	100		
86	60.8	43.4	83.4
49	130.3	0.0	325.0

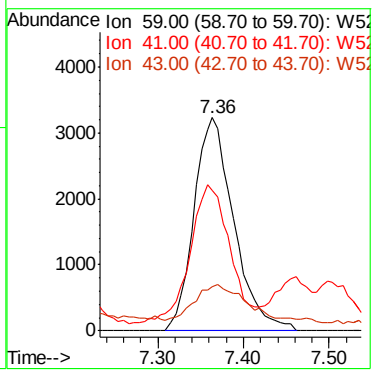


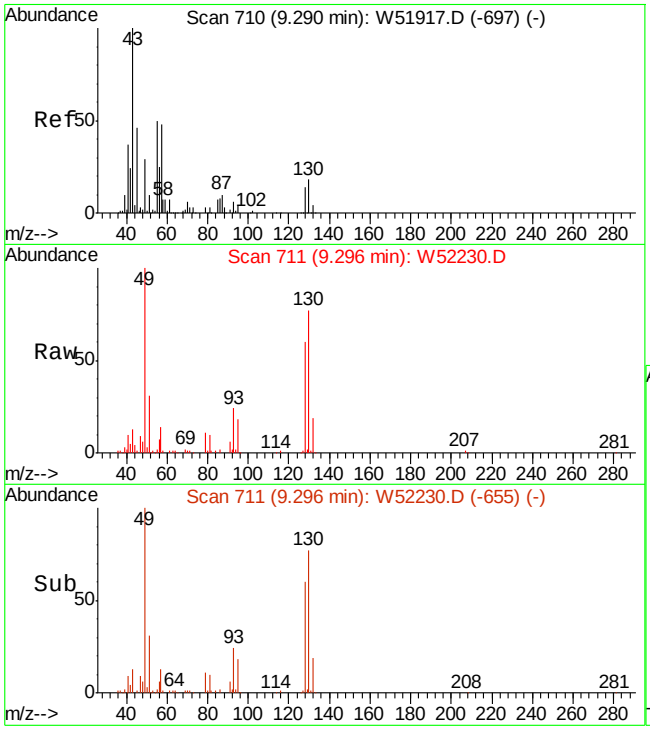


#33
TERTIARY BUTYL ALCOHOL
Concen: 0.39 PPBV
RT: 7.36 min Scan# 394
Delta R.T. 0.04 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 59 Resp: 10409

Ion	Ratio	Lower	Upper
59	100		
41	64.6	0.0	39.0#
43	41.7	0.0	32.1#

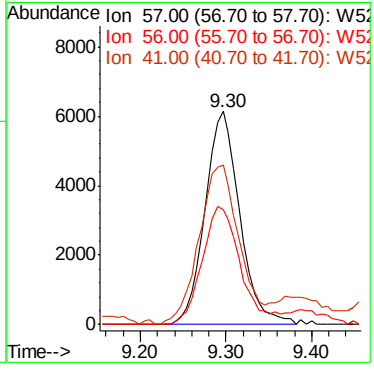


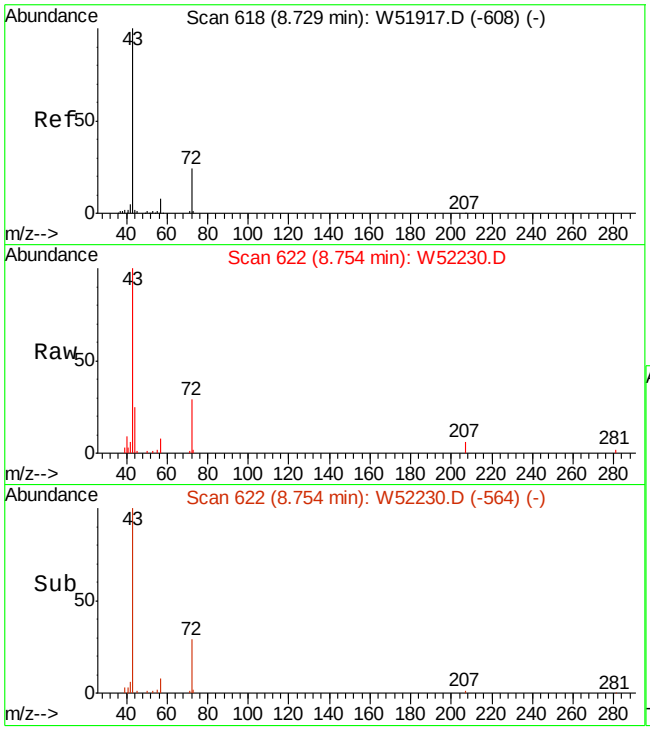


#36
HEXANE
Concen: 0.77 PPBV
RT: 9.30 min Scan# 711
Delta R.T. 0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 57 Resp: 17237

Ion	Ratio	Lower	Upper
57	100		
56	62.7	31.5	71.5
41	89.1	73.1	113.1

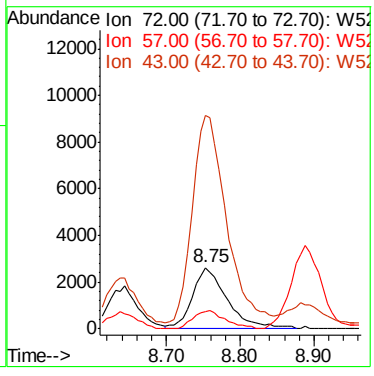


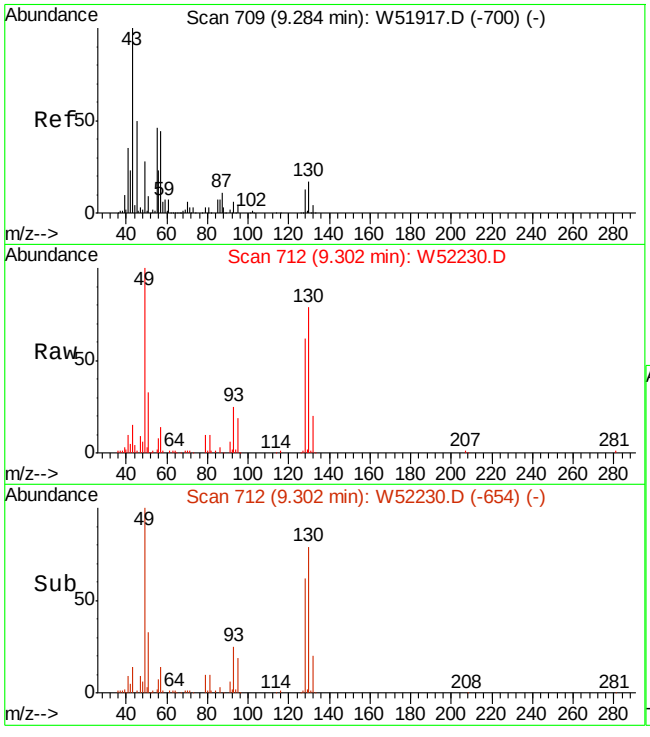


#39
METHYL ETHYL KETONE
Concen: 1.39 PPBV
RT: 8.75 min Scan# 622
Delta R.T. 0.02 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 72 Resp: 8448

Ion	Ratio	Lower	Upper
72	100		
57	28.1	10.6	50.6
43	349.3	362.9	402.9#

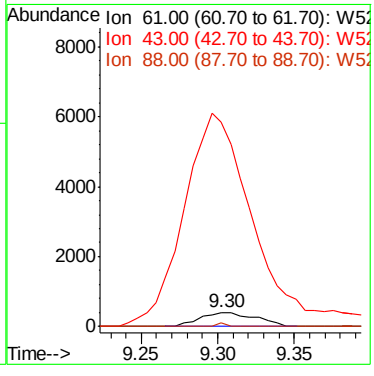


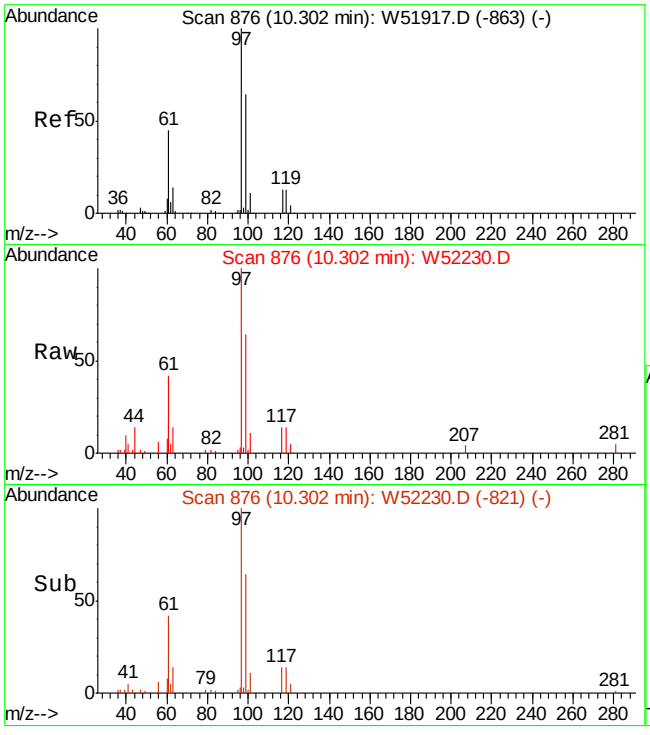


#42
ETHYL ACETATE
Concen: 0.24 PPBV
RT: 9.30 min Scan# 712
Delta R.T. 0.02 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 61 Resp: 1023

Ion	Ratio	Lower	Upper
61	100		
43	1449.9	1251.1	1291.1#
88	27.0	19.6	59.6

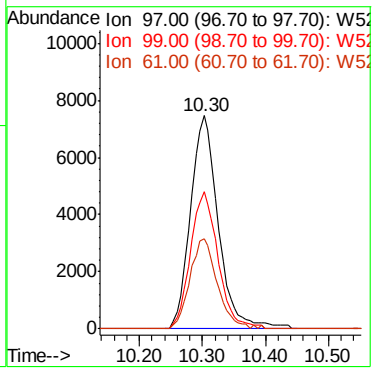


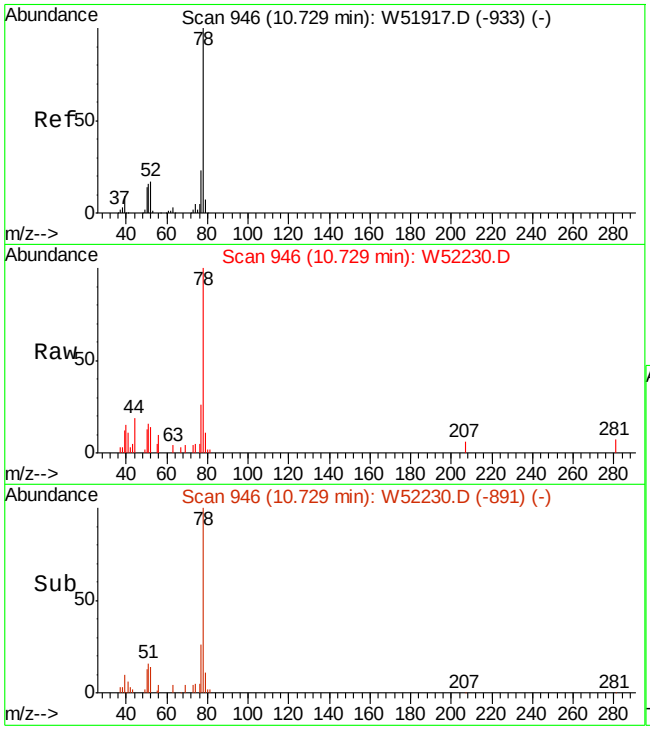


#46
1,1,1-TRICHLOROETHANE
Concen: 0.97 PPBV
RT: 10.30 min Scan# 876
Delta R.T. 0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 97 Resp: 22888

Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.3	84.3
61	41.3	23.0	63.0

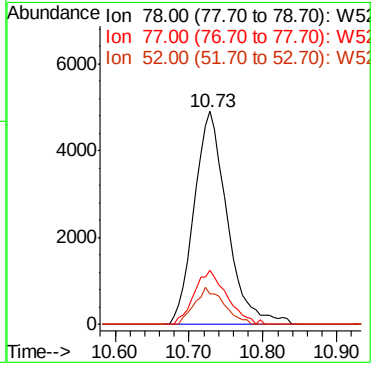


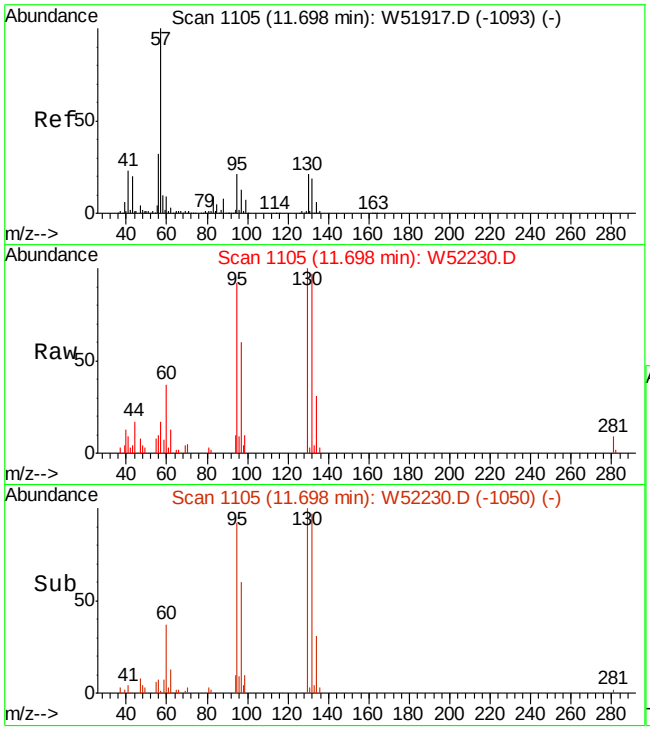


#50
BENZENE
Concen: 0.39 PPBV
RT: 10.73 min Scan# 946
Delta R.T. 0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 78 Resp: 14988

Ion	Ratio	Lower	Upper
78	100		
77	25.0	3.1	43.1
52	15.4	0.0	35.4

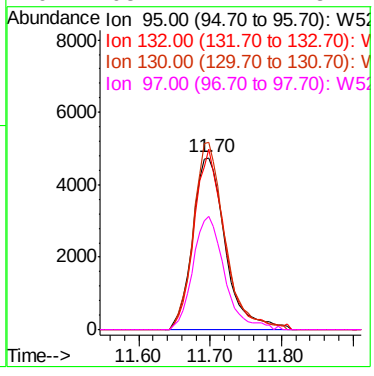


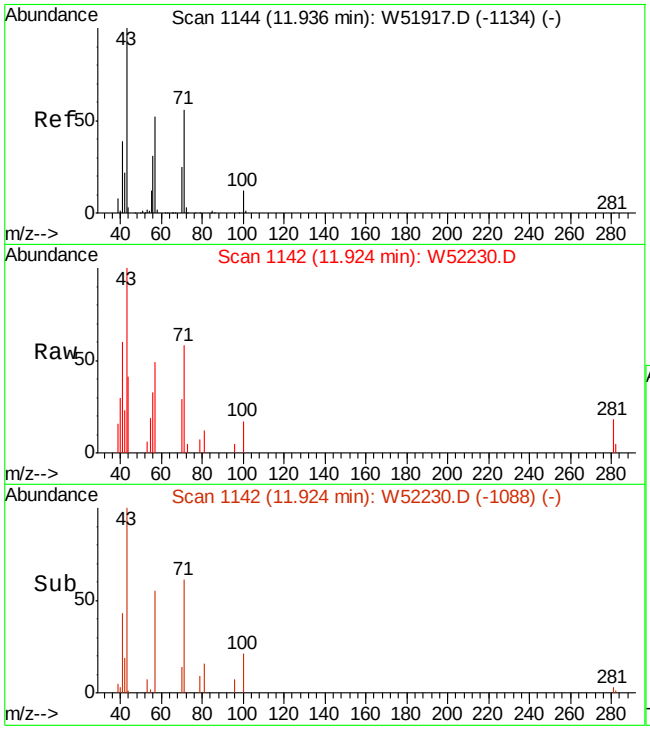


#53
TRICHLOROETHYLENE
Concen: 0.97 PPBV
RT: 11.70 min Scan# 1105
Delta R.T. 0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 95 Resp: 15072

Ion	Ratio	Lower	Upper
95	100		
132	99.2	79.9	119.9
130	104.9	84.5	124.5
97	63.4	44.4	84.4

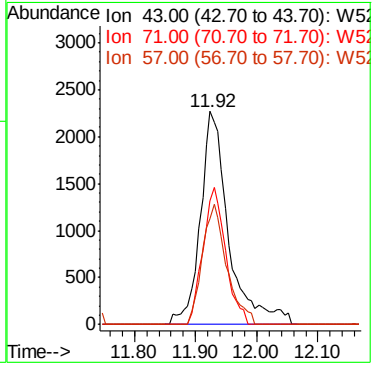


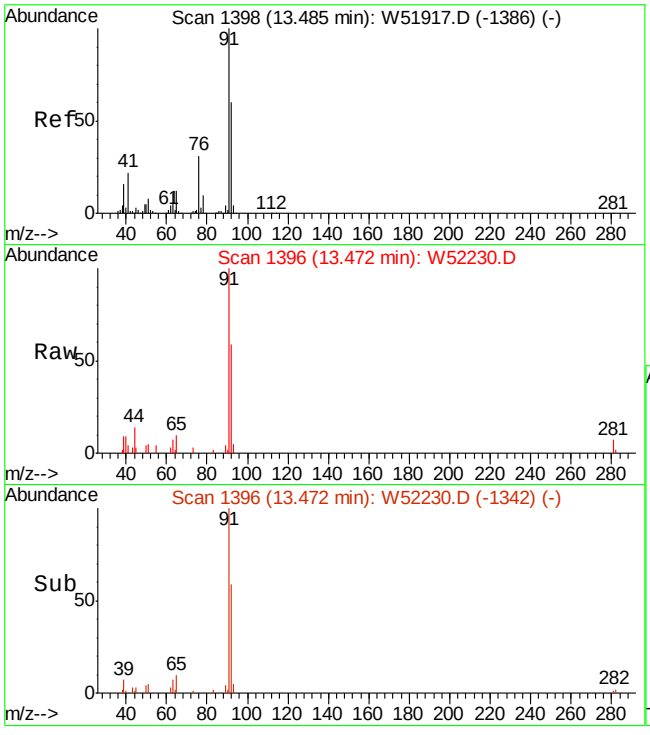


#61
HEPTANE
Concen: 0.31 PPBV
RT: 11.92 min Scan# 1142
Delta R.T. -0.00 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 43 Resp: 7312

Ion	Ratio	Lower	Upper
43	100		
71	51.1	41.8	81.8
57	48.5	39.5	79.5

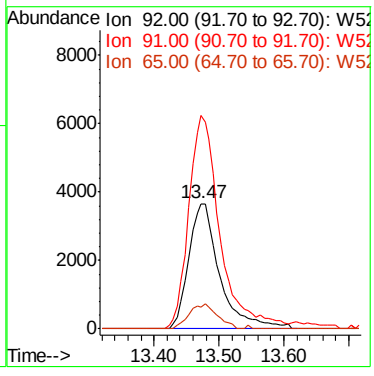


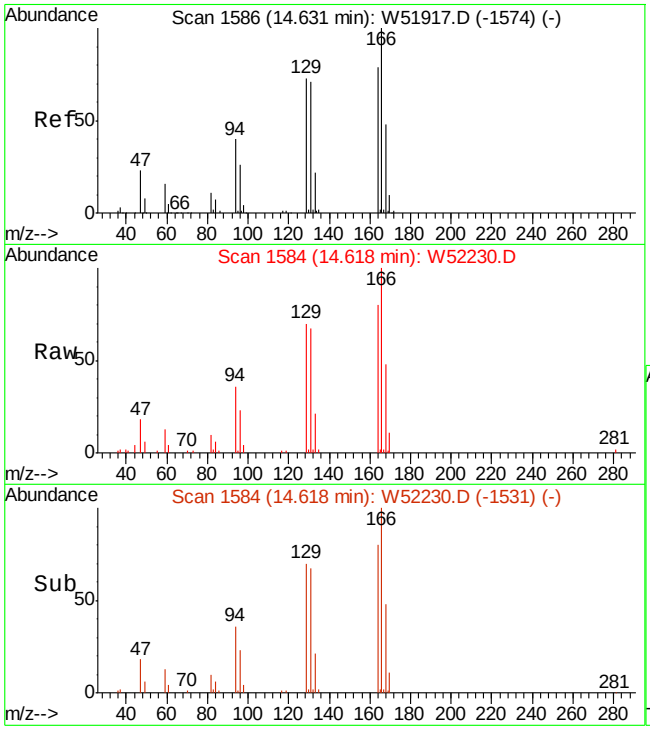


#64
TOLUENE
Concen: 0.46 PPBV
RT: 13.47 min Scan# 1396
Delta R.T. -0.00 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 92 Resp: 12078

Ion	Ratio	Lower	Upper
92	100		
91	177.1	148.1	188.1
65	18.3	0.3	40.3

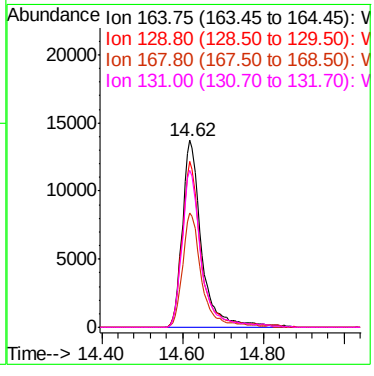


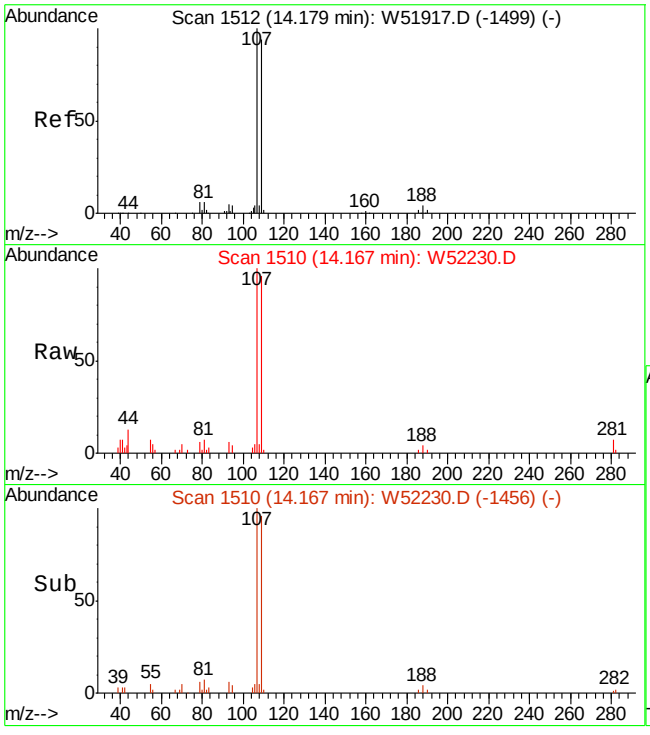


#70
TETRACHLOROETHYLENE
Concen: 3.15 PPBV
RT: 14.62 min Scan# 1584
Delta R.T. -0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion:164 Resp: 45650

Ion	Ratio	Lower	Upper
164	100		
129	86.9	69.3	109.3
168	60.2	41.4	81.4
131	83.6	65.4	105.4

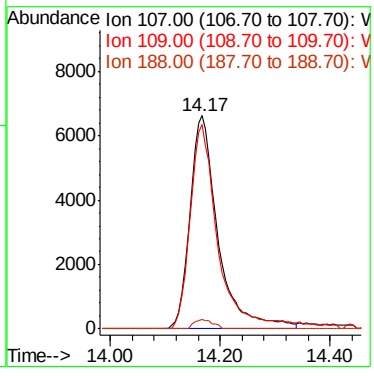


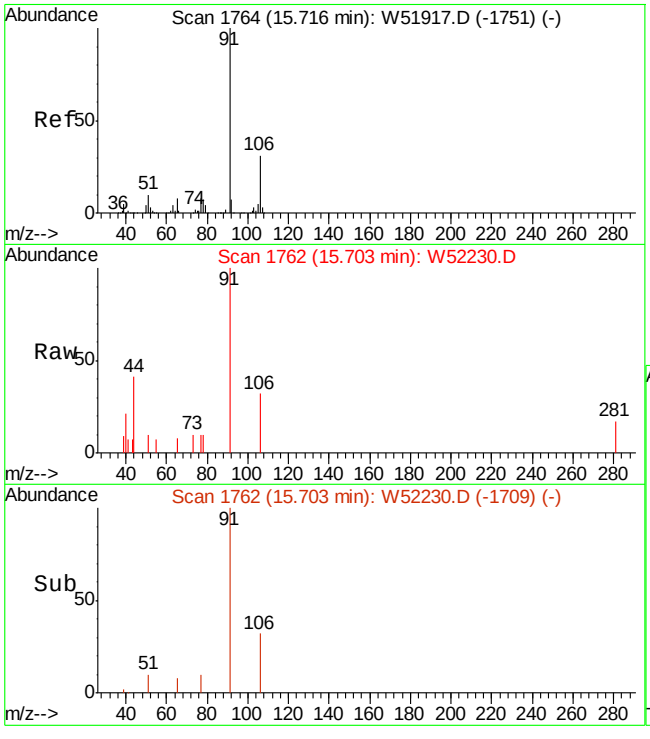


#72
1,2-DIBROMOETHANE
Concen: 1.39 PPBV
RT: 14.17 min Scan# 1510
Delta R.T. -0.00 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion:107 Resp: 23415

Ion	Ratio	Lower	Upper
107	100		
109	97.1	74.6	114.6
188	2.9	0.0	23.8

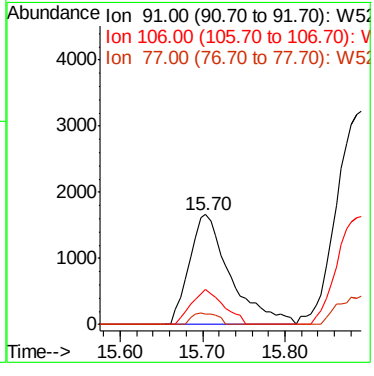


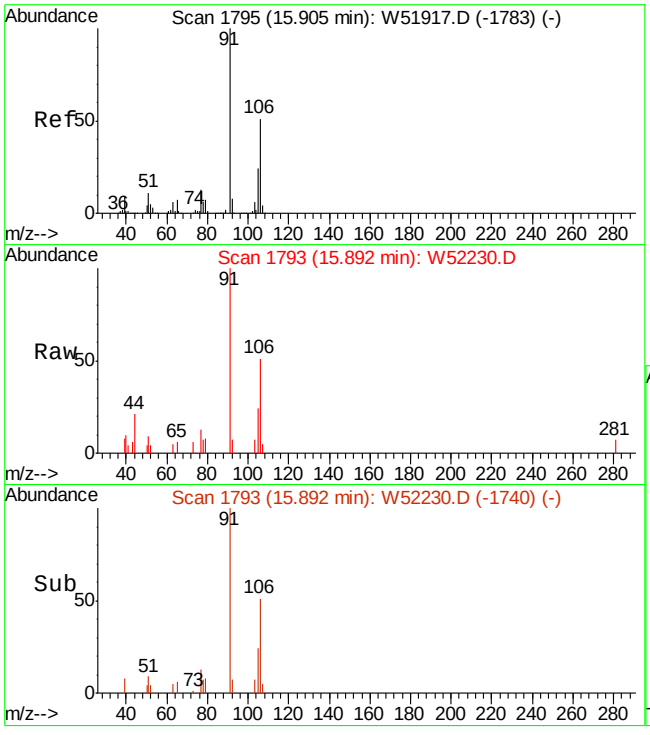


#76
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 15.70 min Scan# 1762
Delta R.T. -0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion: 91 Resp: 5740

Ion	Ratio	Lower	Upper
91	100		
106	24.9	11.2	51.2
77	6.3	0.0	28.1

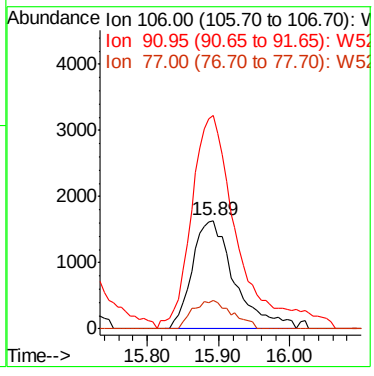


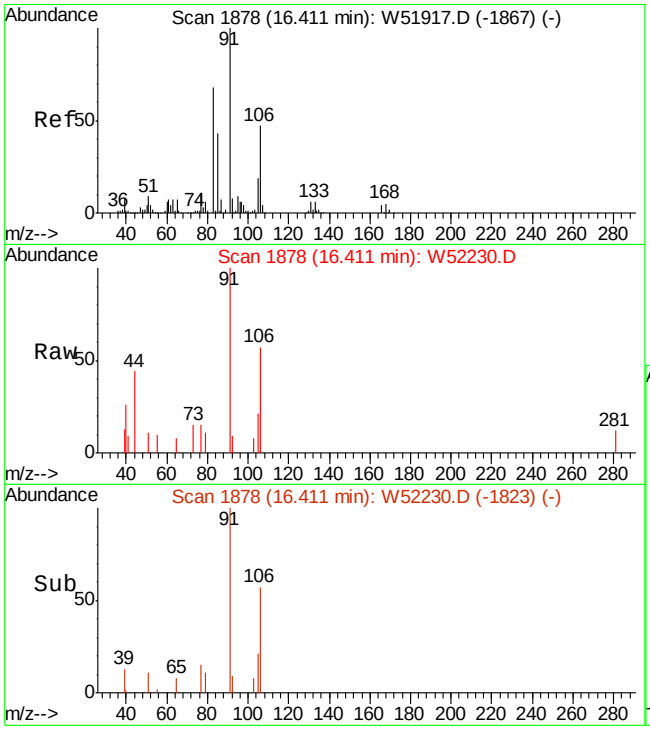


#77
m,p-XYLENE
Concen: 0.35 PPBV
RT: 15.89 min Scan# 1793
Delta R.T. -0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion:106 Resp: 6730

Ion	Ratio	Lower	Upper
106	100		
91	197.3	155.4	233.2
77	25.8	19.8	29.6

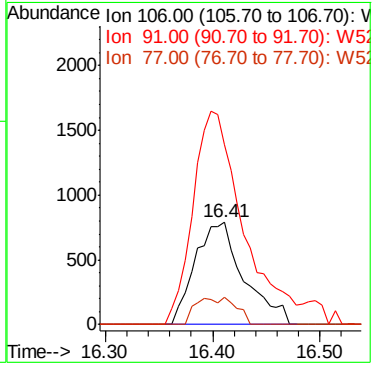




#78
o-XYLENE
Concen: 0.14 PPBV
RT: 16.41 min Scan# 1878
Delta R.T. 0.01 min
Lab File: W52230.D
Acq: 30 Oct 2015 2:26 am

Tgt Ion:106 Resp: 2493

Ion	Ratio	Lower	Upper
106	100		
91	225.1	187.6	227.6
77	21.9	6.2	46.2



Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon
11/03/15 17:14

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52231.D Vial: 6
Acq On : 30 Oct 2015 3:07 am Operator: youminh
Sample : JC7272-3 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:05:50 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	90619	10.00	PPBV	0.01
49) 1,4-DIFLUOROBENZENE	11.01	114	429422	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	182443	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.89	95	182100	9.13	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 91.30%

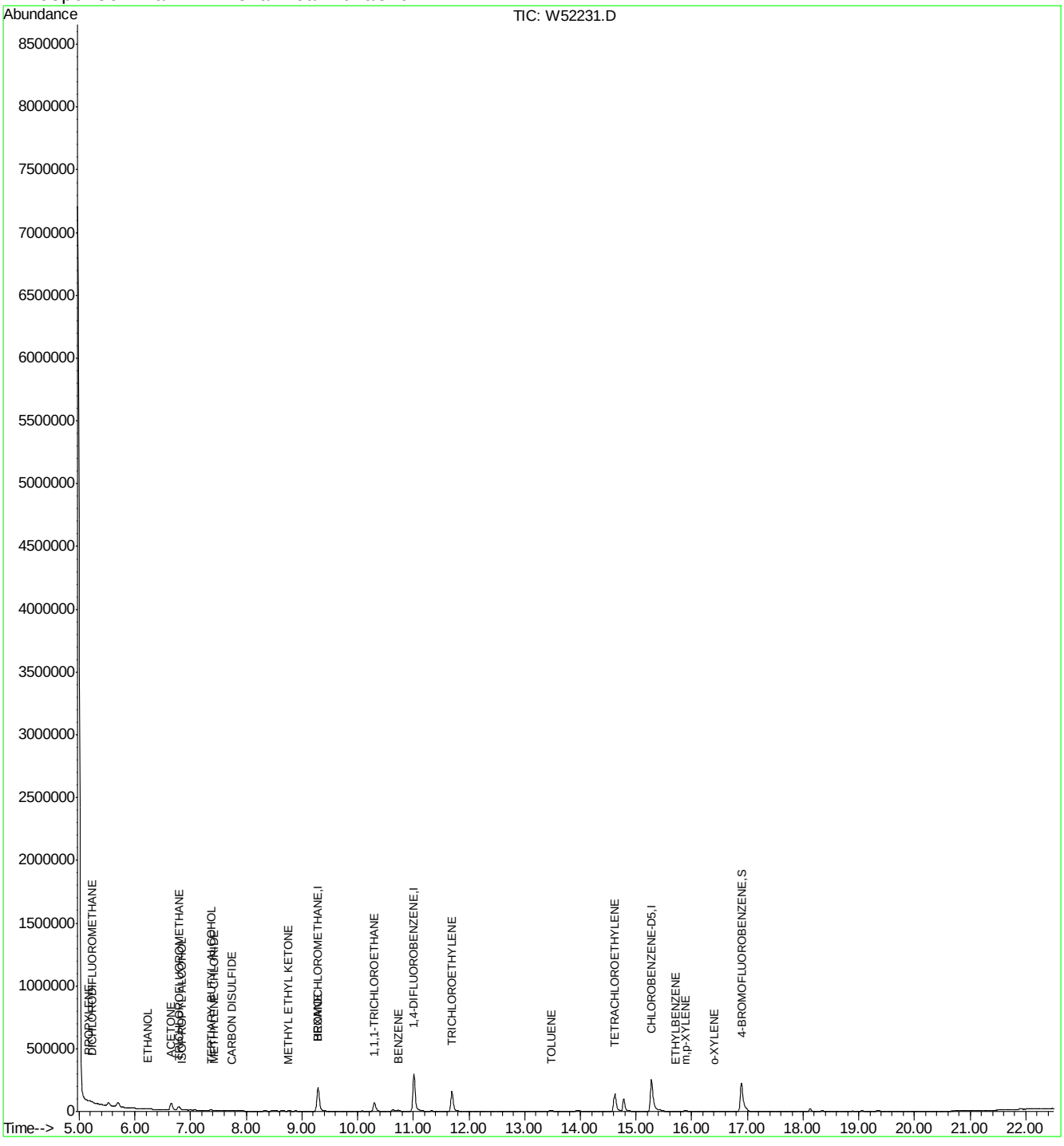
Target Compounds						Qvalue
5) DICHLORODIFLUOROMETHANE	5.24	85	7998	0.27	PPBV	97
6) PROPYLENE	5.18	41	6693	0.58	PPBV	94
17) TRICHLOROFLUOROMETHANE	6.79	101	39228	1.46	PPBV	100
18) ISOPROPYL ALCOHOL	6.84	45	4633	0.19	PPBV #	52
19) ACETONE	6.65	58	38353	5.74	PPBV	99
25) CARBON DISULFIDE	7.74	76	4565	0.12	PPBV #	80
26) ETHANOL	6.22	45	7258	1.27	PPBV	89
29) METHYLENE CHLORIDE	7.43	84	2783	0.25	PPBV	100
33) TERTIARY BUTYL ALCOHOL	7.36	59	12351	0.47	PPBV	86
36) HEXANE	9.30	57	3196	0.15	PPBV	87
39) METHYL ETHYL KETONE	8.76	72	2882m	0.48	PPBV	
46) 1,1,1-TRICHLOROETHANE	10.30	97	73300	3.18	PPBV	100
50) BENZENE	10.72	78	13759	0.38	PPBV	97
53) TRICHLOROETHYLENE	11.69	95	92051	6.29	PPBV	99
64) TOLUENE	13.47	92	7733	0.31	PPBV	96
70) TETRACHLOROETHYLENE	14.62	164	72055	5.26	PPBV	99
76) ETHYLBENZENE	15.70	91	4420	0.10	PPBV	87
77) m,p-XYLENE	15.89	106	4635	0.25	PPBV	91
78) o-XYLENE	16.40	106	1619	0.10	PPBV #	86

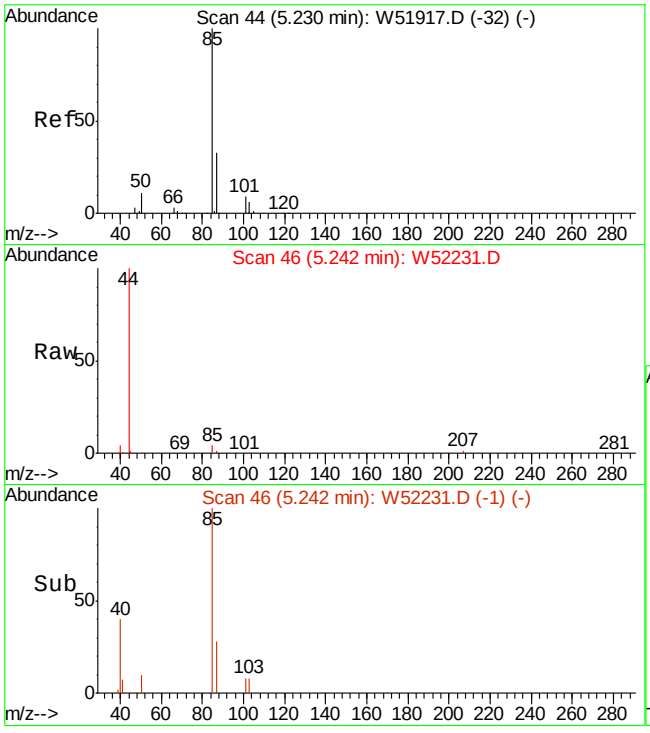
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52231.D Vial: 6
Acq On : 30 Oct 2015 3:07 am Operator: youminh
Sample : JC7272-3 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:40 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

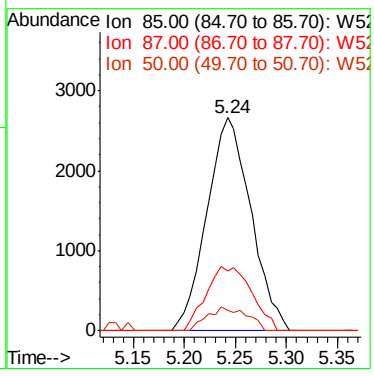


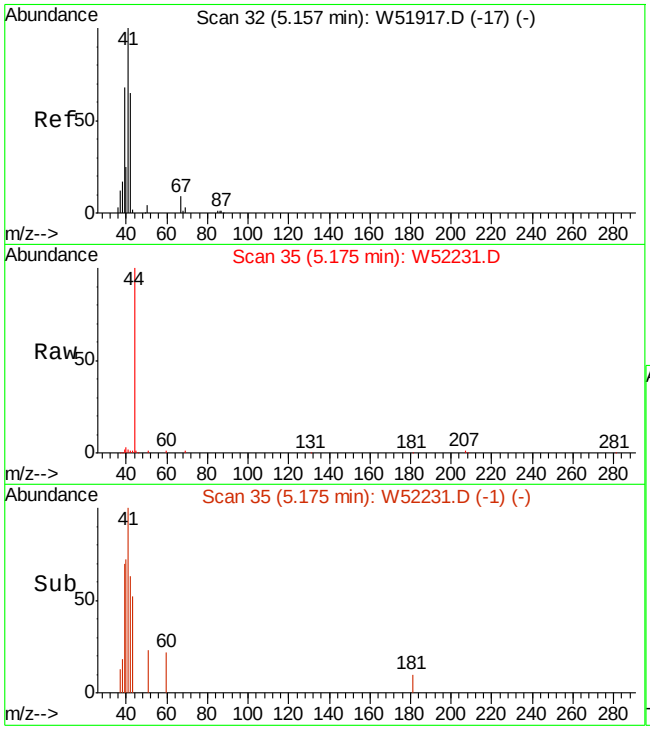


#5
DICHLORODIFLUOROMETHANE
Concen: 0.27 PPBV
RT: 5.24 min Scan# 46
Delta R.T. 0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 85 Resp: 7998

Ion	Ratio	Lower	Upper
85	100		
87	31.0	12.4	52.4
50	10.0	0.0	30.9

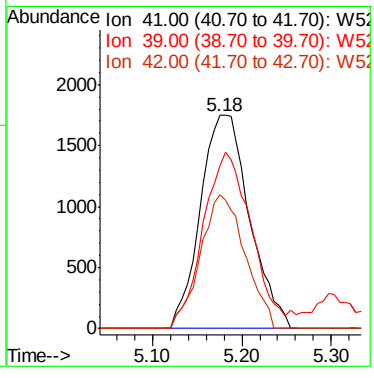


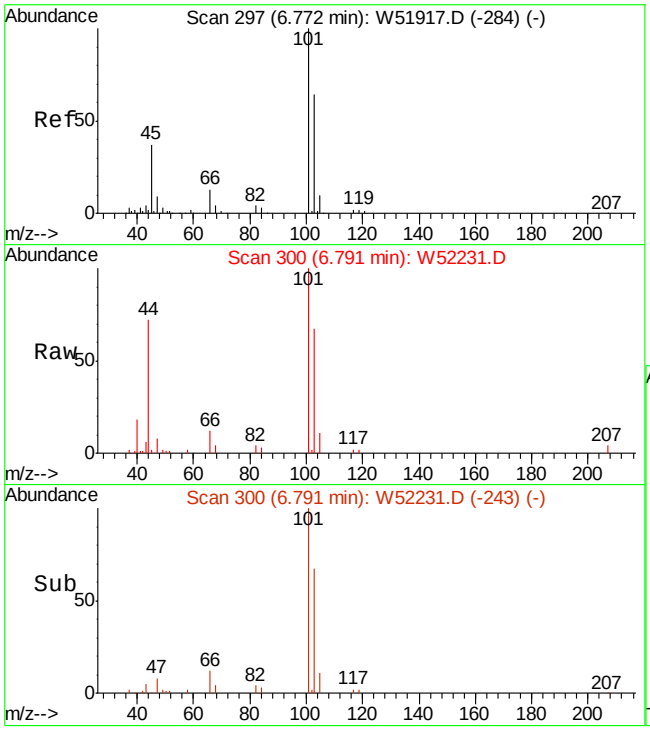


#6
PROPYLENE
Concen: 0.58 PPBV
RT: 5.18 min Scan# 35
Delta R.T. 0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 41 Resp: 6693

Ion	Ratio	Lower	Upper
41	100		
39	76.3	49.2	89.2
42	62.8	44.6	84.6

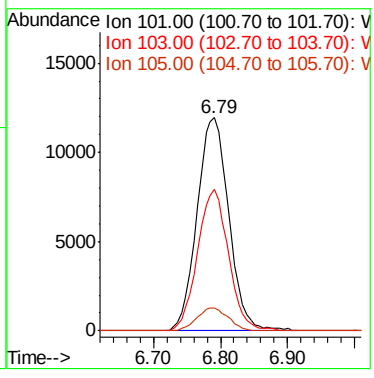


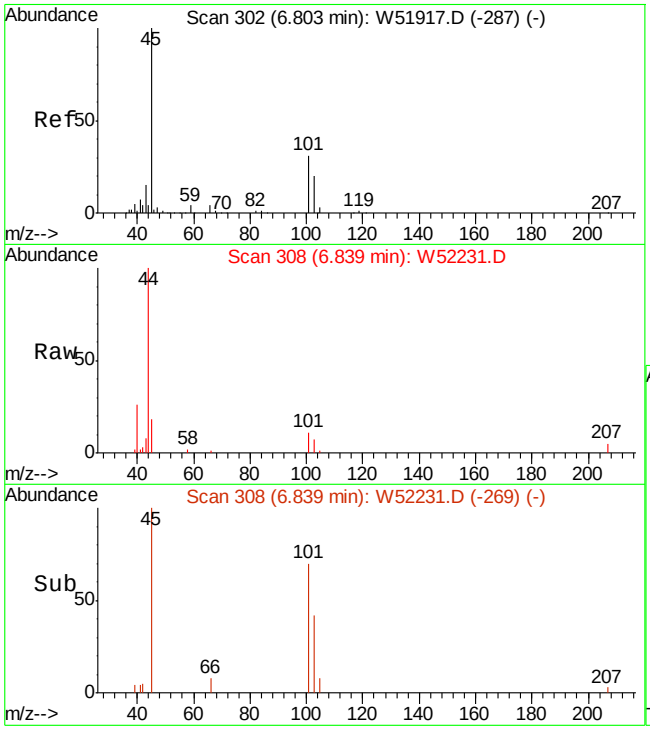


#17
TRICHLOROFLUOROMETHANE
Concen: 1.46 PPBV
RT: 6.79 min Scan# 300
Delta R.T. 0.02 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion:101 Resp: 39228

Ion	Ratio	Lower	Upper
101	100		
103	64.6	44.7	84.7
105	10.5	0.0	30.4

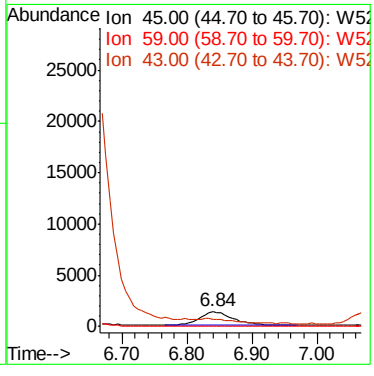


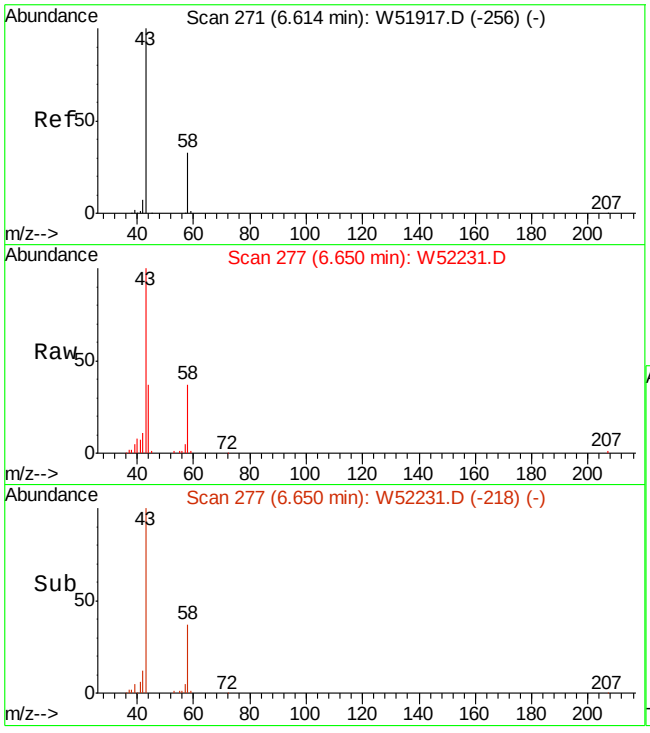


#18
ISOPROPYL ALCOHOL
Concen: 0.19 PPBV
RT: 6.84 min Scan# 308
Delta R.T. 0.04 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 45 Resp: 4633

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	24.3
43	42.4	0.0	37.4#

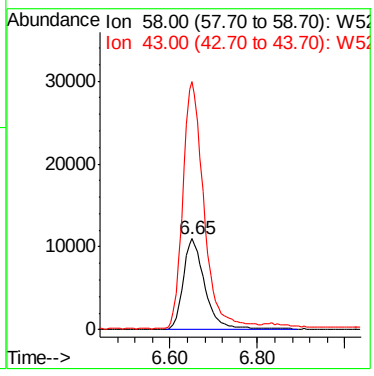


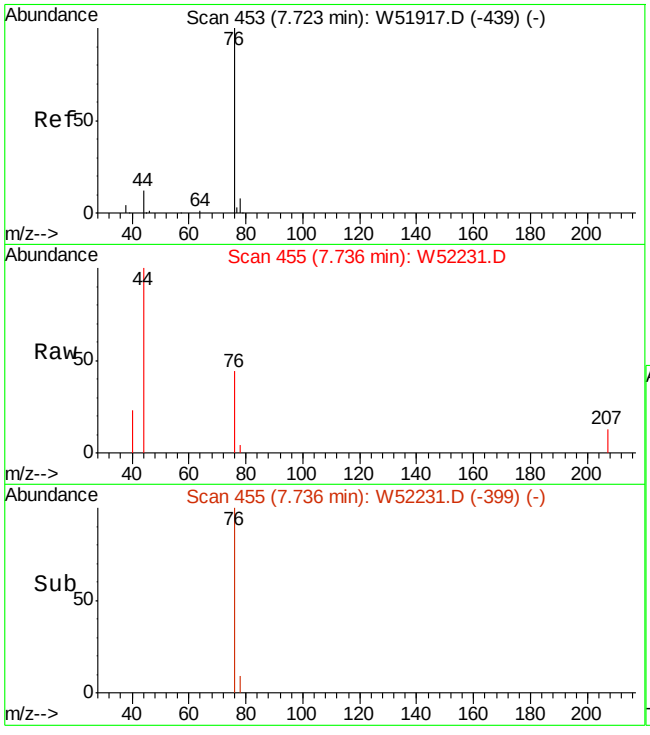


#19
ACETONE
Concen: 5.74 PPBV
RT: 6.65 min Scan# 277
Delta R.T. 0.03 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 58 Resp: 38353

Ion	Ratio	Lower	Upper
58	100		
43	277.4	254.7	294.7

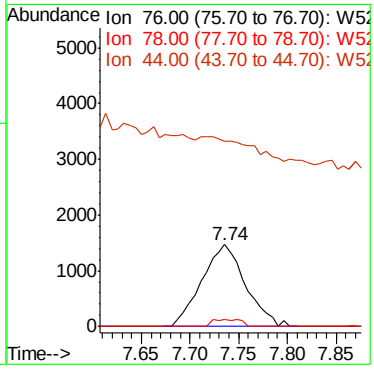


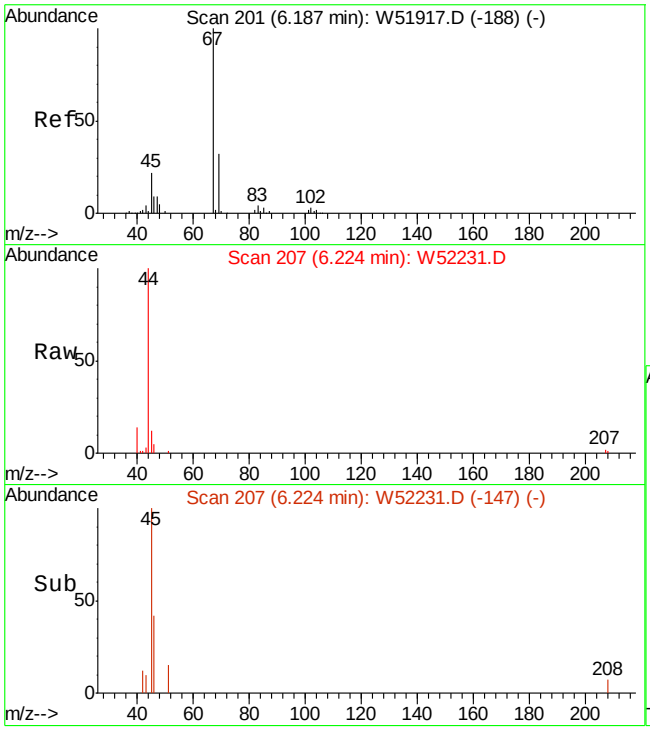


#25
CARBON DISULFIDE
Concen: 0.12 PPBV
RT: 7.74 min Scan# 455
Delta R.T. 0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 76 Resp: 4565

Ion	Ratio	Lower	Upper
76	100		
78	5.5	0.0	29.1
44	0.0	0.0	31.0

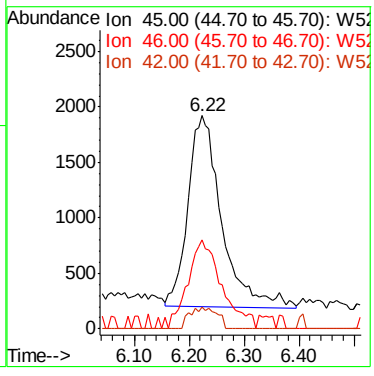


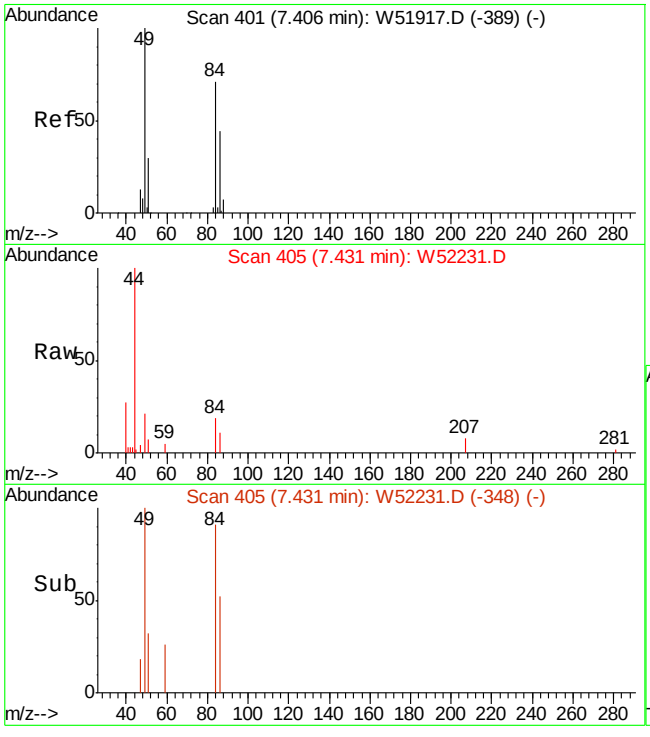


#26
ETHANOL
Concen: 1.27 PPBV
RT: 6.22 min Scan# 207
Delta R.T. 0.04 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 45 Resp: 7258

Ion	Ratio	Lower	Upper
45	100		
46	47.6	19.6	59.6
42	9.1	0.0	28.5

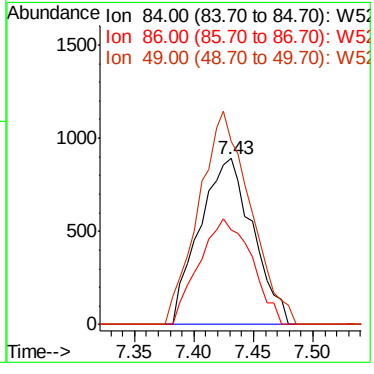


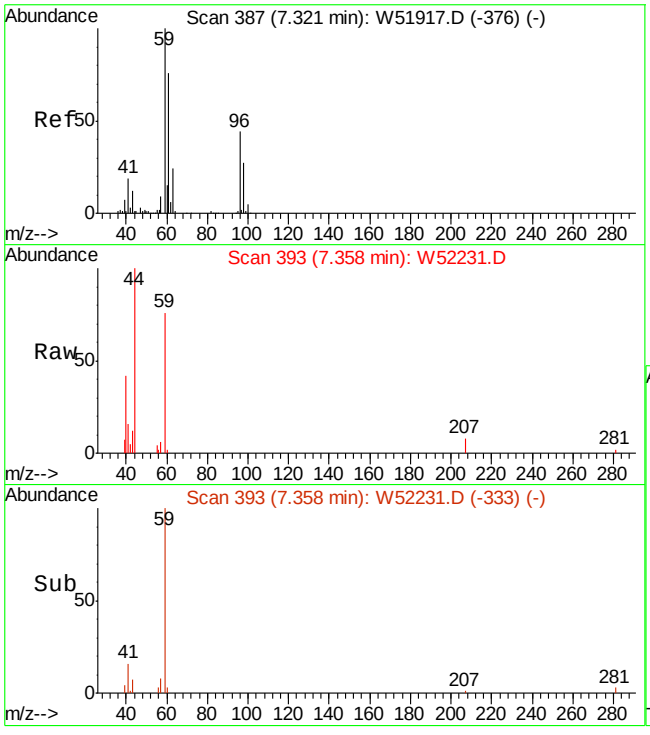


#29
METHYLENE CHLORIDE
Concen: 0.25 PPBV
RT: 7.43 min Scan# 405
Delta R.T. 0.02 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 84 Resp: 2783

Ion	Ratio	Lower	Upper
84	100		
86	62.7	43.4	83.4
49	124.7	0.0	325.0

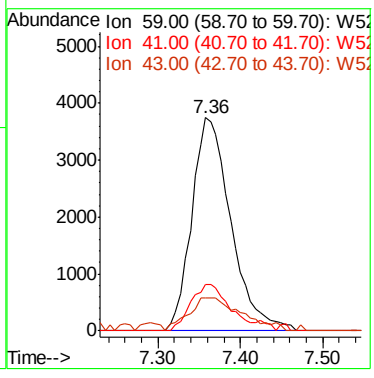


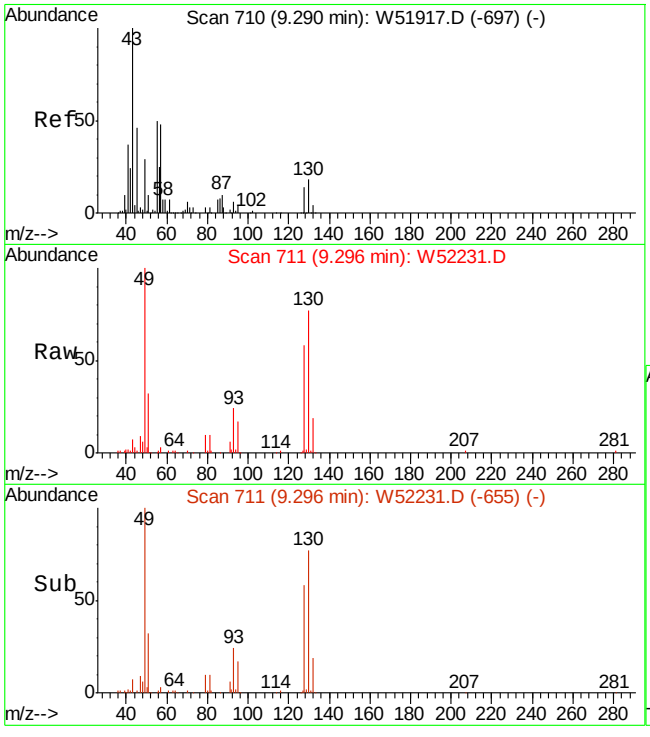


#33
TERTIARY BUTYL ALCOHOL
Concen: 0.47 PPBV
RT: 7.36 min Scan# 393
Delta R.T. 0.04 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 59 Resp: 12351

Ion	Ratio	Lower	Upper
59	100		
41	23.0	0.0	39.0
43	21.1	0.0	32.1

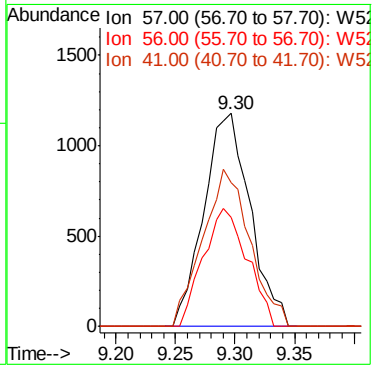


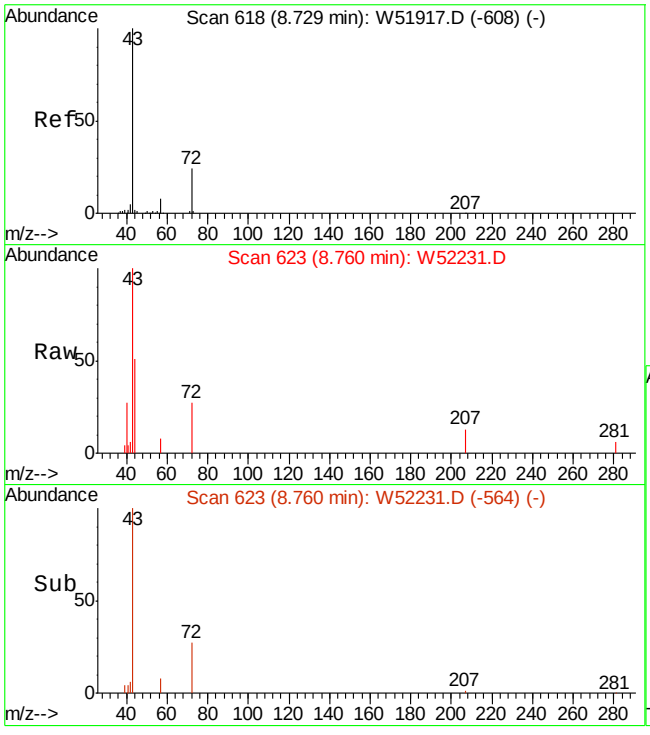


#36
HEXANE
Concen: 0.15 PPBV
RT: 9.30 min Scan# 711
Delta R.T. 0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 57 Resp: 3196

Ion	Ratio	Lower	Upper
57	100		
56	52.5	31.5	71.5
41	75.2	73.1	113.1

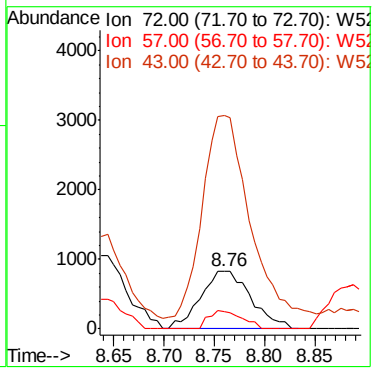


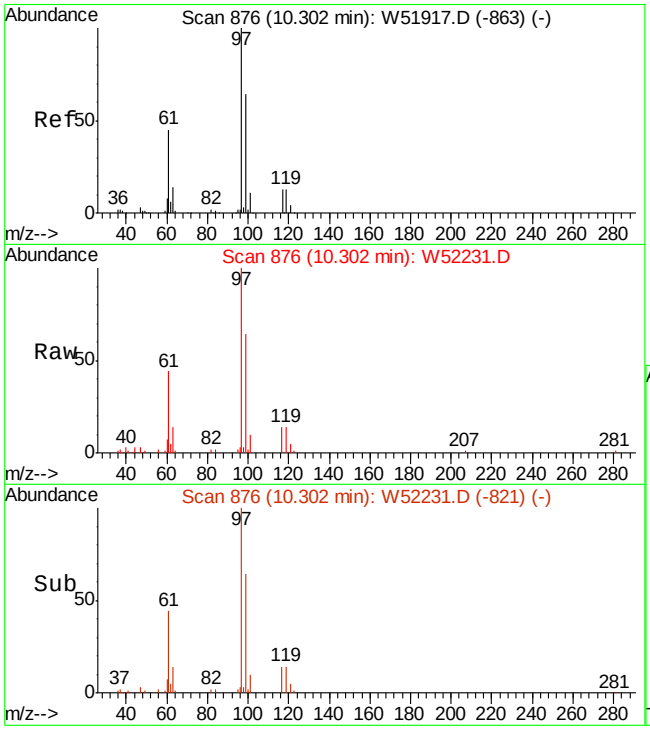


#39
METHYL ETHYL KETONE
Concen: 0.48 PPBV m
RT: 8.76 min Scan# 623
Delta R.T. 0.03 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 72 Resp: 2882

Ion	Ratio	Lower	Upper
72	100		
57	29.9	10.6	50.6
43	367.2	362.9	402.9

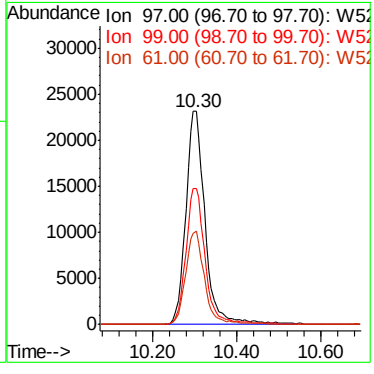




#46
1,1,1-TRICHLOROETHANE
Concen: 3.18 PPBV
RT: 10.30 min Scan# 876
Delta R.T. 0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

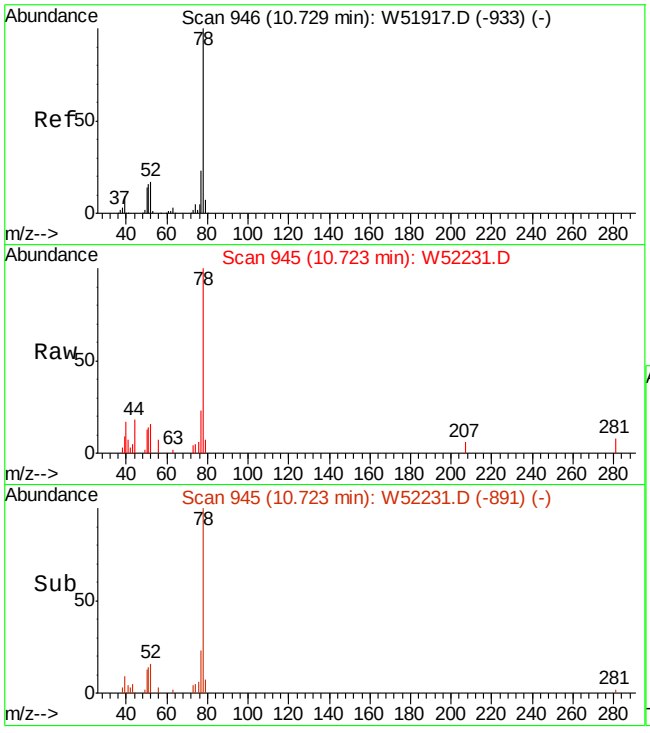
Tgt Ion: 97 Resp: 73300

Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.3	84.3
61	43.1	23.0	63.0



7.1.4

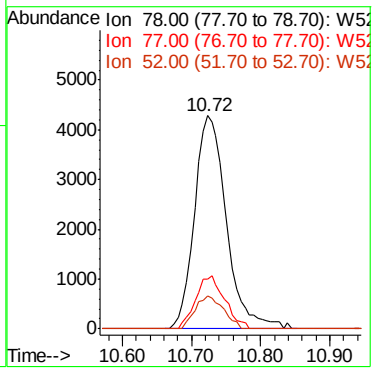
7

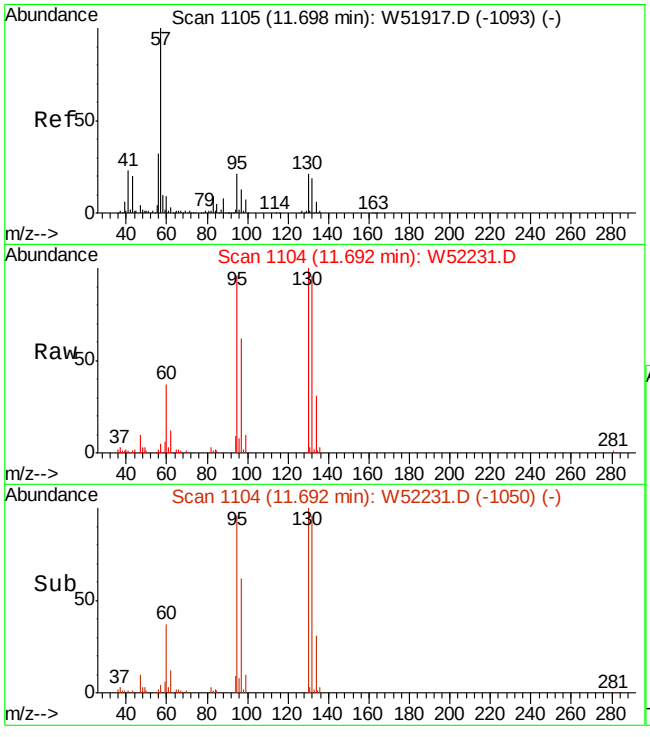


#50
BENZENE
Concen: 0.38 PPBV
RT: 10.72 min Scan# 945
Delta R.T. 0.00 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 78 Resp: 13759

Ion	Ratio	Lower	Upper
78	100		
77	22.5	3.1	43.1
52	13.5	0.0	35.4

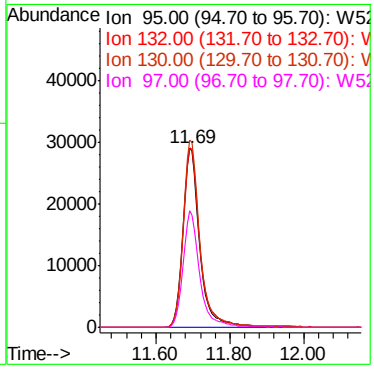


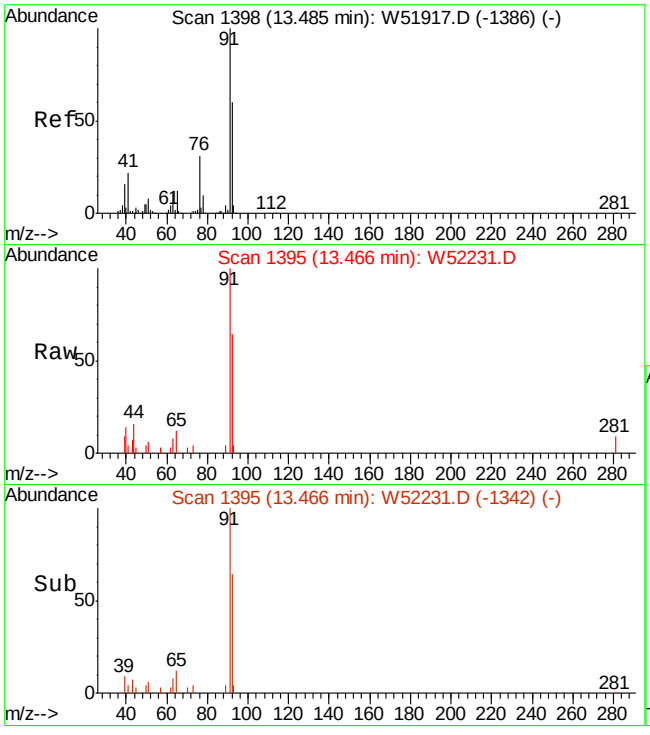


#53
TRICHLOROETHYLENE
Concen: 6.29 PPBV
RT: 11.69 min Scan# 1104
Delta R.T. 0.00 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 95 Resp: 92051

Ion	Ratio	Lower	Upper
95	100		
132	100.6	79.9	119.9
130	105.2	84.5	124.5
97	64.0	44.4	84.4

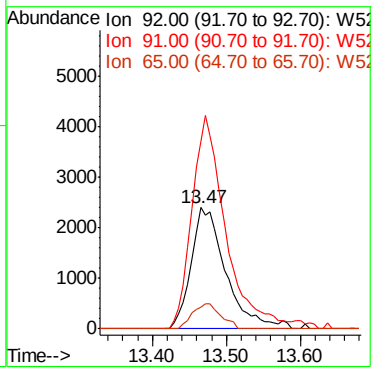


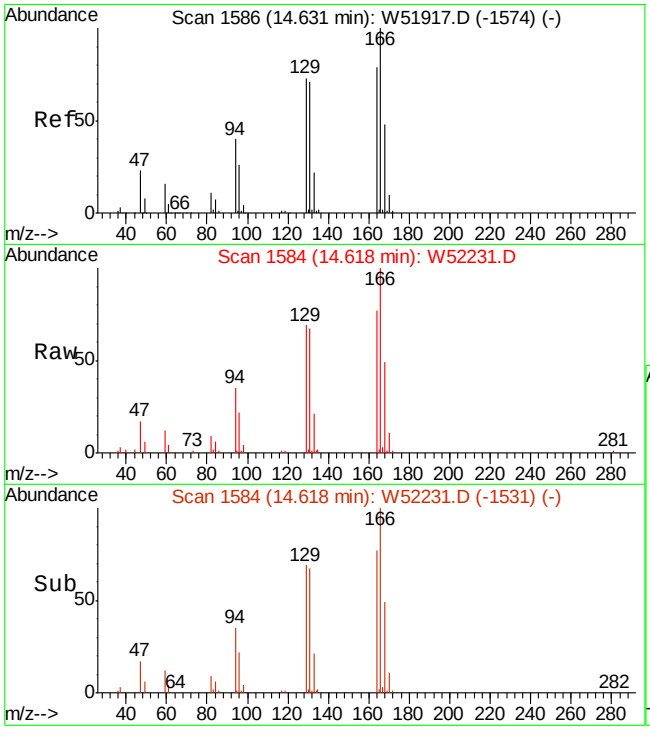


#64
TOLUENE
Concen: 0.31 PPBV
RT: 13.47 min Scan# 1395
Delta R.T. -0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 92 Resp: 7733

Ion	Ratio	Lower	Upper
92	100		
91	173.2	148.1	188.1
65	16.8	0.3	40.3

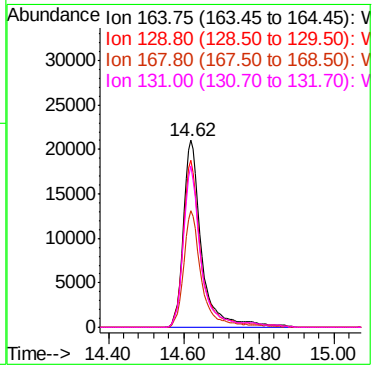


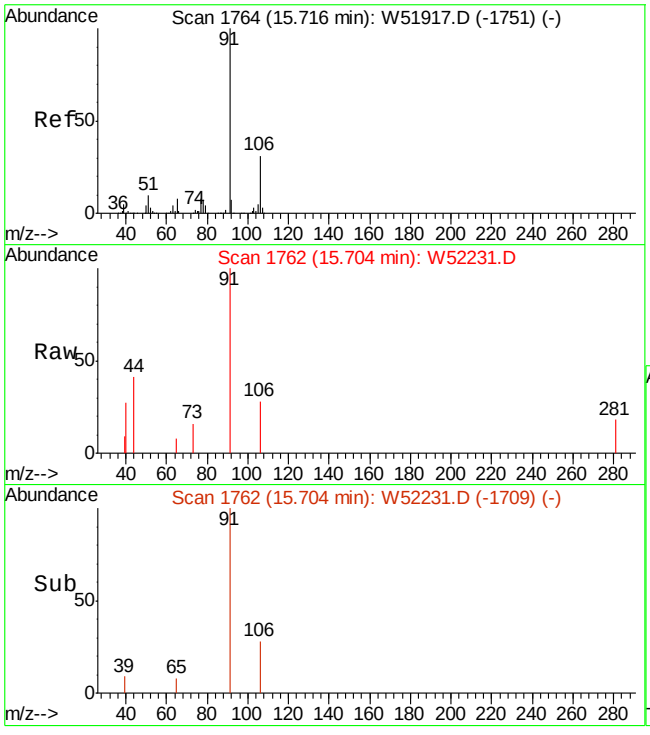


#70
TETRACHLOROETHYLENE
Concen: 5.26 PPBV
RT: 14.62 min Scan# 1584
Delta R.T. -0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion:164 Resp: 72055

Ion	Ratio	Lower	Upper
164	100		
129	87.9	69.3	109.3
168	61.0	41.4	81.4
131	84.1	65.4	105.4

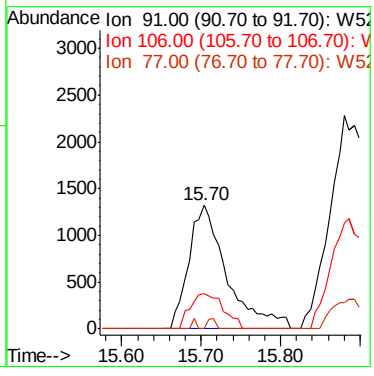


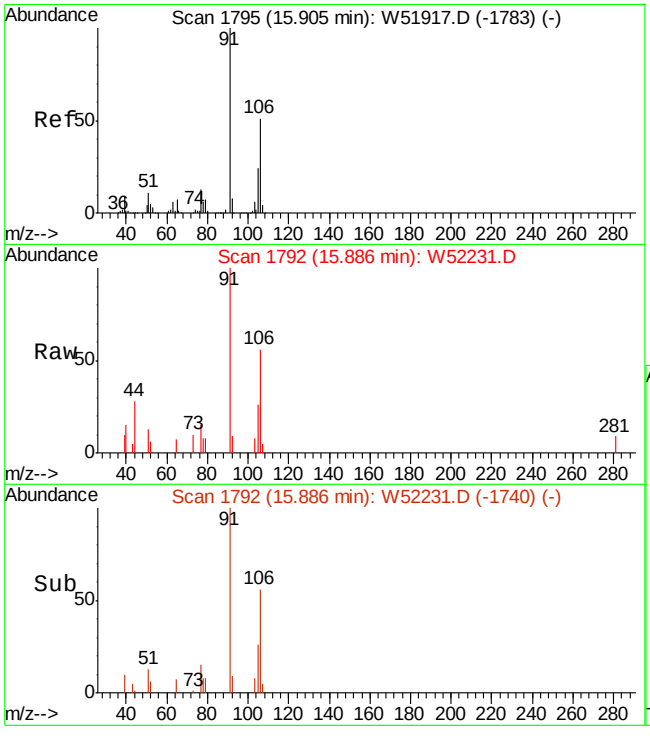


#76
ETHYLBENZENE
Concen: 0.10 PPBV
RT: 15.70 min Scan# 1762
Delta R.T. -0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion: 91 Resp: 4420

Ion	Ratio	Lower	Upper
91	100		
106	24.9	11.2	51.2
77	1.0	0.0	28.1

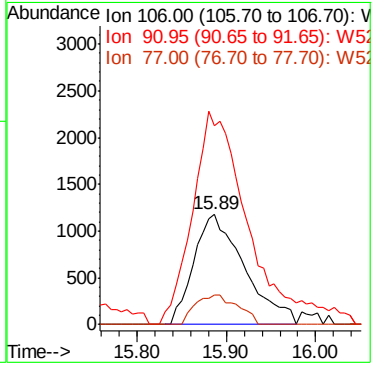


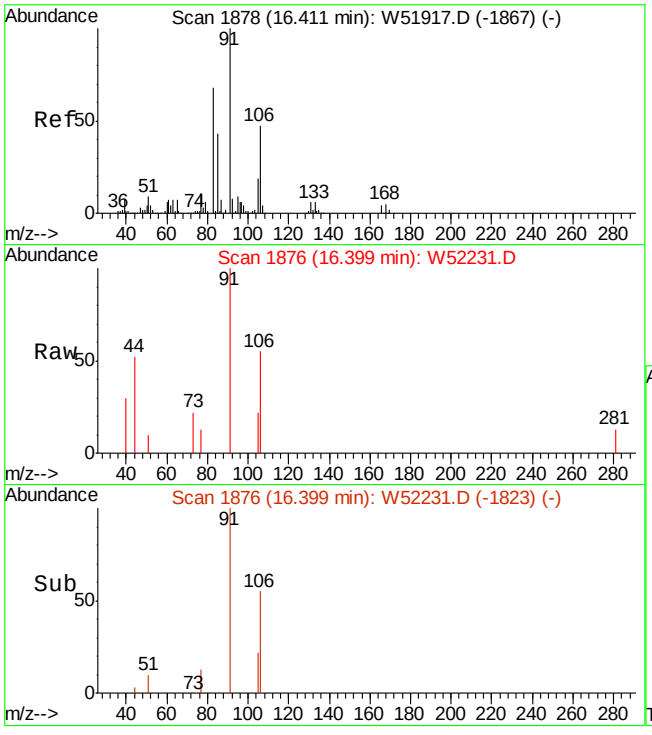


#77
m,p-XYLENE
Concen: 0.25 PPBV
RT: 15.89 min Scan# 1792
Delta R.T. -0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion:106 Resp: 4635

Ion	Ratio	Lower	Upper
106	100		
91	179.6	155.4	233.2
77	26.8	19.8	29.6

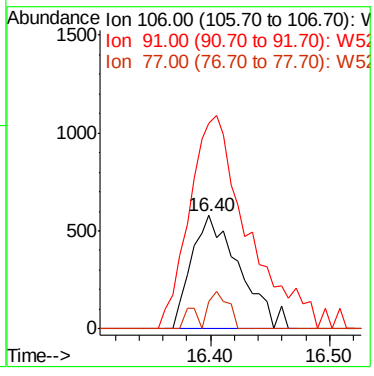




#78
o-XYLENE
Concen: 0.10 PPBV
RT: 16.40 min Scan# 1876
Delta R.T. -0.01 min
Lab File: W52231.D
Acq: 30 Oct 2015 3:07 am

Tgt Ion:106 Resp: 1619

Ion	Ratio	Lower	Upper
106	100		
91	227.9	187.6	227.6#
77	13.3	6.2	46.2



Manual Integration Approval Summary

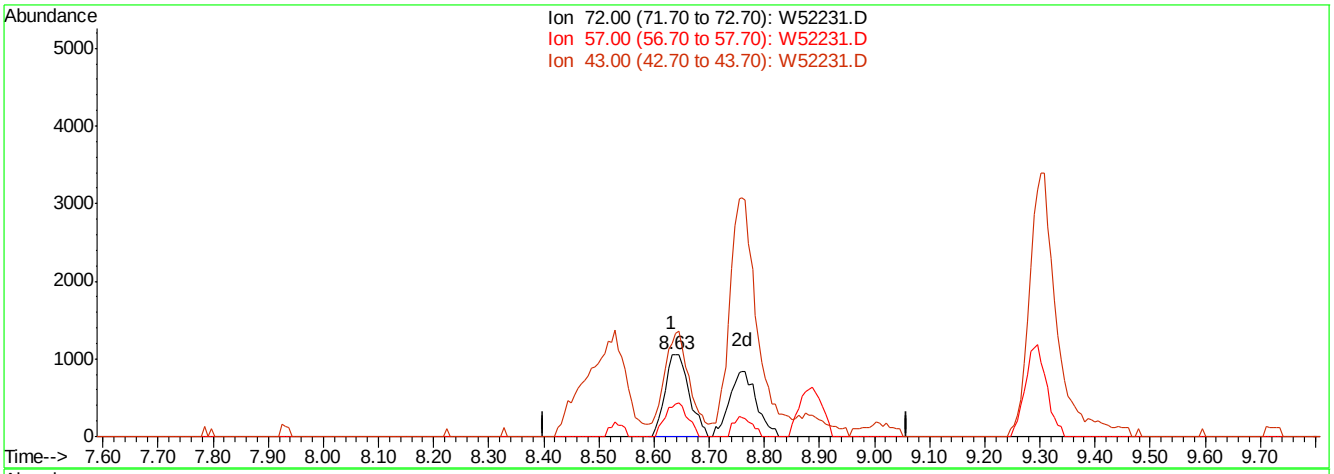
Sample Number:	JC7272-3	**Method:**	TO-15
Lab FileID:	W52231.D	**Analyst approved:**	10/30/15 14:24 Youmin Hu
Injection Time:	10/30/15 03:07	**Supervisor approved:**	11/03/15 17:14 Dana Tryon

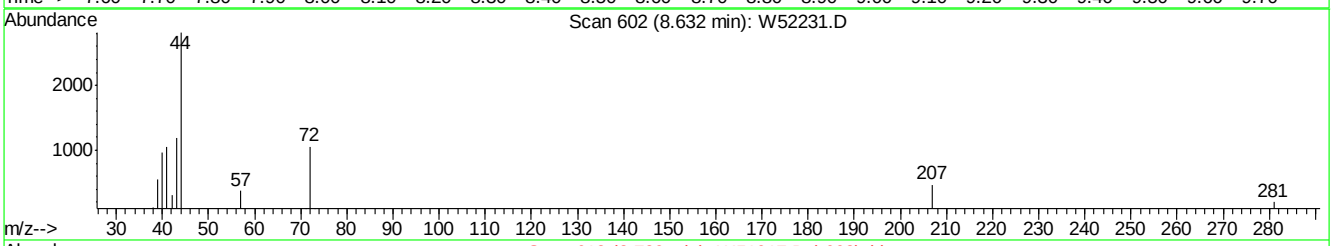
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		8.76	Missed peak

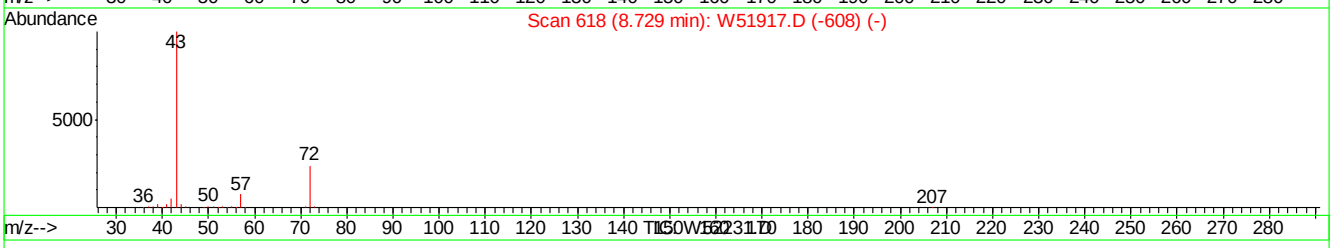
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52231.D Vial: 6
Acq On : 30 Oct 2015 3:07 am Operator: youminh
Sample : JC7272-3 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:38 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration







(39) METHYL ETHYL KETONE

8.63min 0.54PPBV

response 3226

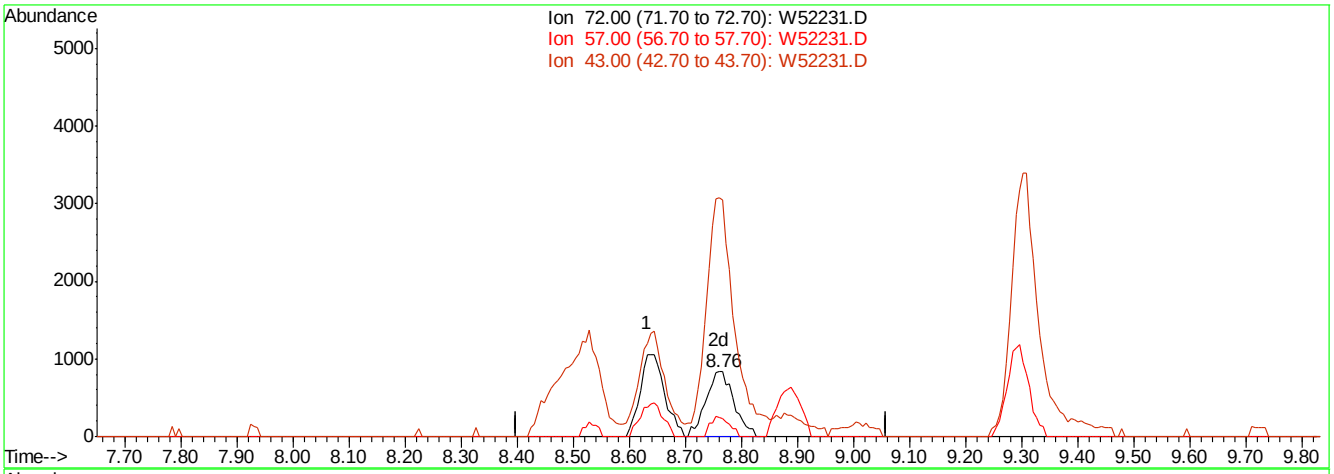
Ion	Exp%	Act%
72.00	100	100
57.00	30.60	35.10
43.00	382.90	113.43#
0.00	0.00	0.00

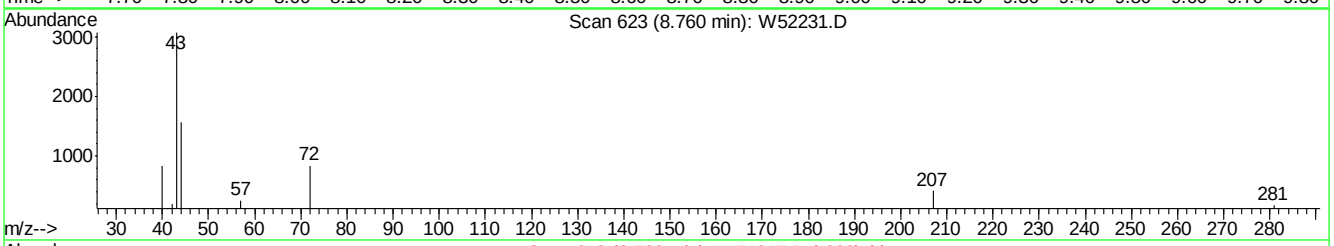
W52231.D MW2080.M Fri Oct 30 11:38:37 2015 MSW

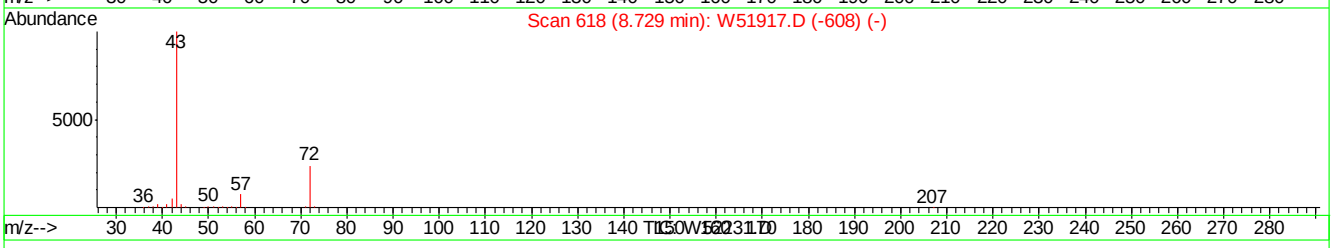
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52231.D Vial: 6
Acq On : 30 Oct 2015 3:07 am Operator: youminh
Sample : JC7272-3 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:38 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration







(39) METHYL ETHYL KETONE

8.76min 0.48PPBV m

response 2882

Ion	Exp%	Act%
72.00	100	100
57.00	30.60	29.90
43.00	382.90	367.22
0.00	0.00	0.00

W52231.D MW2080.M Fri Oct 30 11:38:47 2015 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon
11/03/15 17:19

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52232.D Vial: 7
Acq On : 30 Oct 2015 3:48 am Operator: youminh
Sample : JC7272-4 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:05:51 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

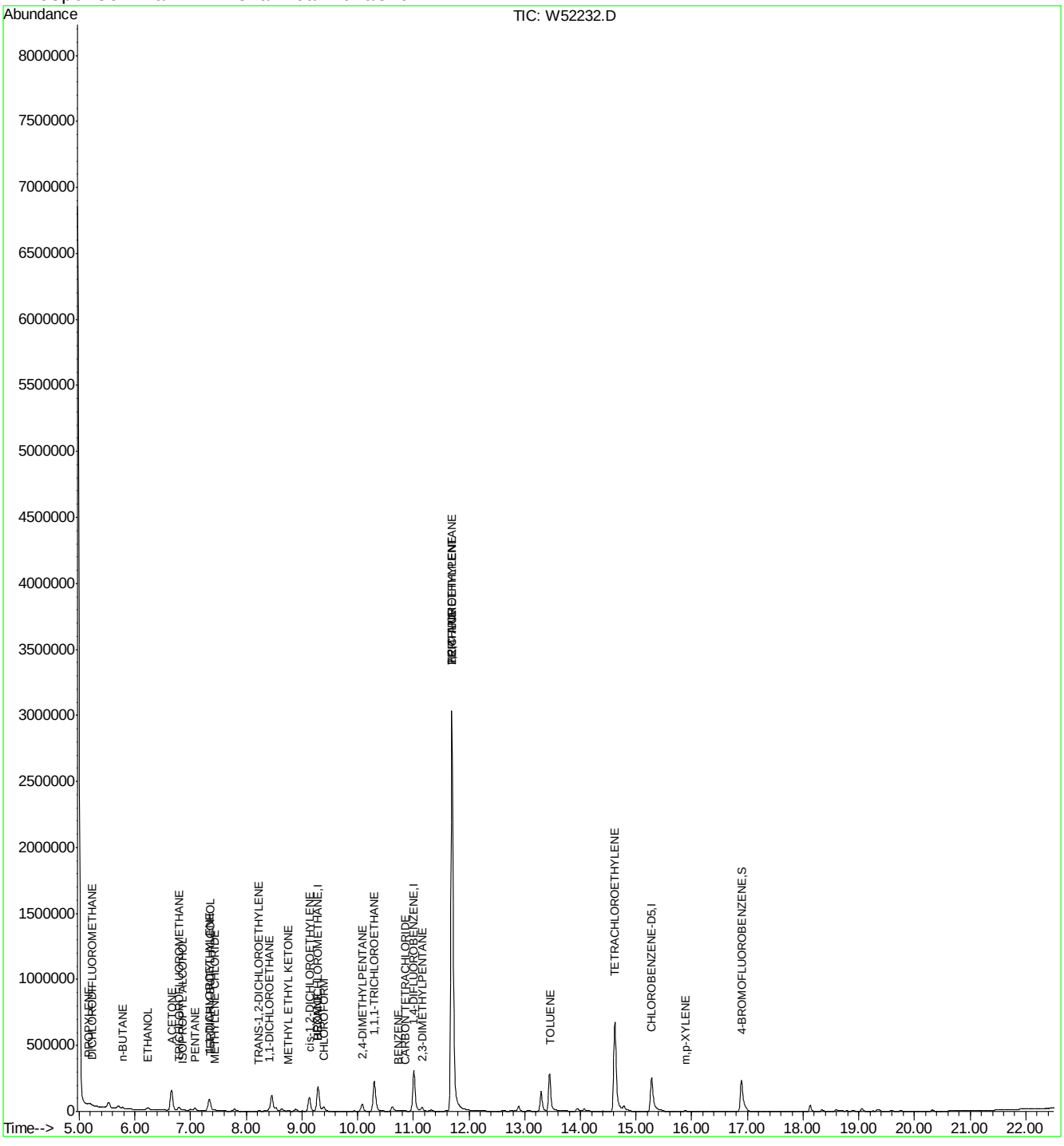
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	90715	10.00	PPBV	0.01
49) 1,4-DIFLUOROBENZENE	11.01	114	435580	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	188185	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	189272	9.20	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 92.00%			
Target Compounds						Qvalue
5) DICHLORODIFLUOROMETHANE	5.24	85	4860	0.16	PPBV	97
6) PROPYLENE	5.18	41	10495	0.91	PPBV	88
12) n-BUTANE	5.78	58	2552	0.86	PPBV #	86
17) TRICHLOROFLUOROMETHANE	6.79	101	32599	1.21	PPBV	100
18) ISOPROPYL ALCOHOL	6.85	45	10130	0.41	PPBV	68
19) ACETONE	6.66	58	38389	5.74	PPBV #	13
22) PENTANE	7.08	57	2911	0.78	PPBV #	91
24) 1,1-DICHLOROETHYLENE	7.33	96	63327	4.81	PPBV	97
26) ETHANOL	6.22	45	30590	5.35	PPBV	95
29) METHYLENE CHLORIDE	7.42	84	4093	0.36	PPBV	98
32) TRANS-1,2-DICHLOROETHYLENE	8.23	96	3125	0.24	PPBV	85
33) TERTIARY BUTYL ALCOHOL	7.36	59	18793	0.71	PPBV	89
36) HEXANE	9.29	57	5713	0.26	PPBV	89
38) 1,1-DICHLOROETHANE	8.41	63	26003	1.17	PPBV	98
39) METHYL ETHYL KETONE	8.76	72	1887m	0.32	PPBV	
40) cis-1,2-DICHLOROETHYLENE	9.13	96	86220	6.38	PPBV	99
44) CHLOROFORM	9.39	83	41229	1.76	PPBV	99
45) 2,4-DIMETHYLPENTANE	10.08	57	30389	1.25	PPBV #	68
46) 1,1,1-TRICHLOROETHANE	10.30	97	224513	9.74	PPBV	100
47) CARBON TETRACHLORIDE	10.86	117	2364	0.10	PPBV	97
50) BENZENE	10.72	78	5990	0.16	PPBV	98
52) 2,3-DIMETHYLPENTANE	11.16	71	7084	0.85	PPBV	96
53) TRICHLOROETHYLENE	11.69	95	1272660	85.74	PPBV	100
58) 2,2,4-TRIMETHYLPENTANE	11.70	57	1252282	20.20	PPBV	93
61) HEPTANE	11.70	43	193835	8.65	PPBV #	1
64) TOLUENE	13.47	92	8979	0.36	PPBV	93
70) TETRACHLOROETHYLENE	14.62	164	342082	24.19	PPBV	99
77) m,p-XYLENE	15.88	106	3283	0.18	PPBV	99

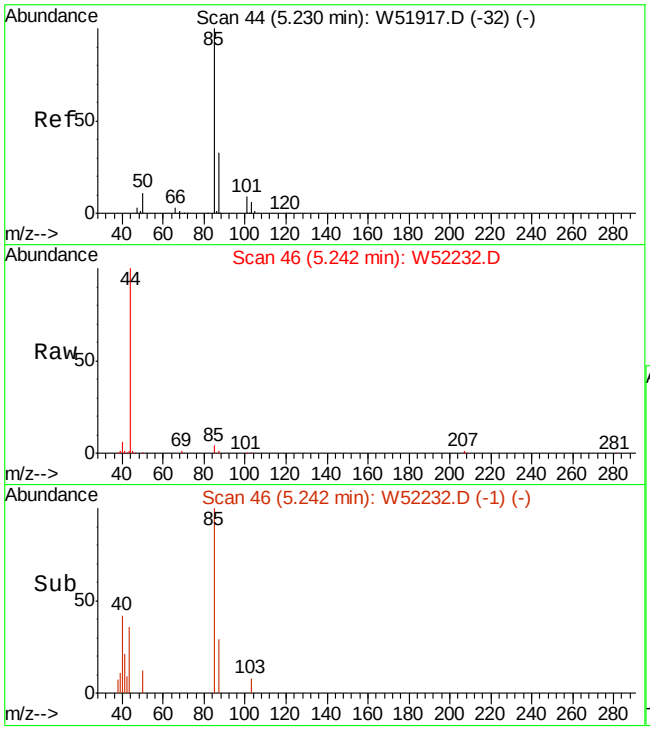
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52232.D Vial: 7
Acq On : 30 Oct 2015 3:48 am Operator: youminh
Sample : JC7272-4 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:43 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

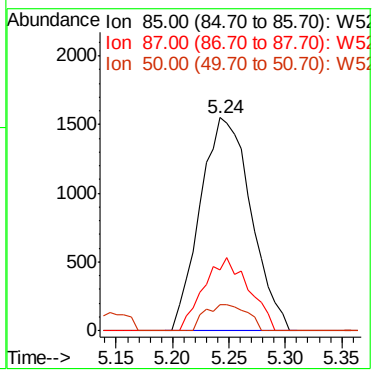


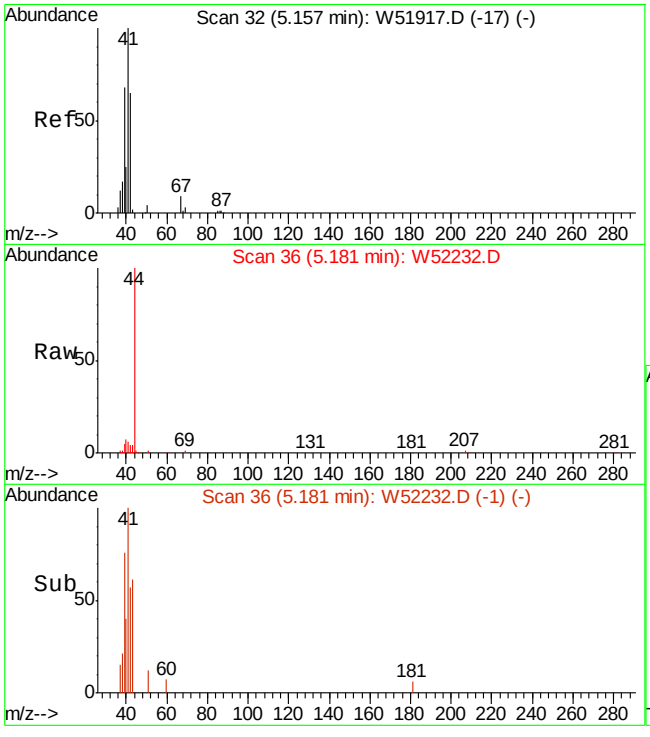


#5
DICHLORODIFLUOROMETHANE
Concen: 0.16 PPBV
RT: 5.24 min Scan# 46
Delta R.T. 0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 85 Resp: 4860

Ion	Ratio	Lower	Upper
85	100		
87	30.5	12.4	52.4
50	10.2	0.0	30.9

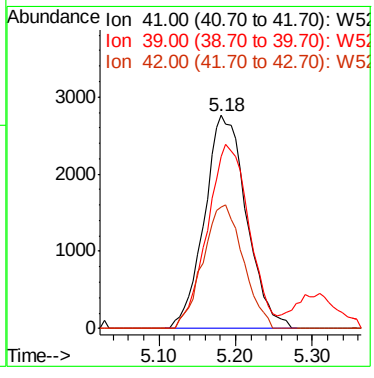


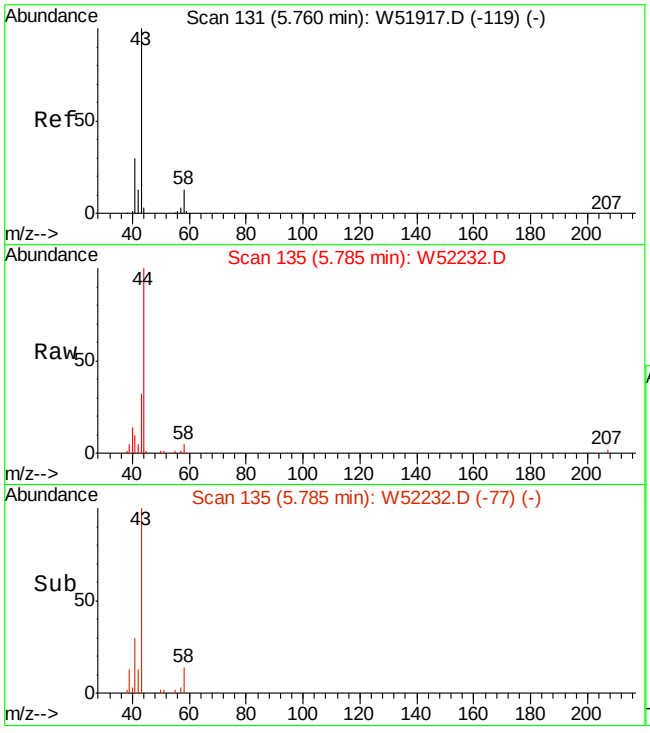


#6
PROPYLENE
Concen: 0.91 PPBV
RT: 5.18 min Scan# 36
Delta R.T. 0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 41 Resp: 10495

Ion	Ratio	Lower	Upper
41	100		
39	80.5	49.2	89.2
42	56.7	44.6	84.6

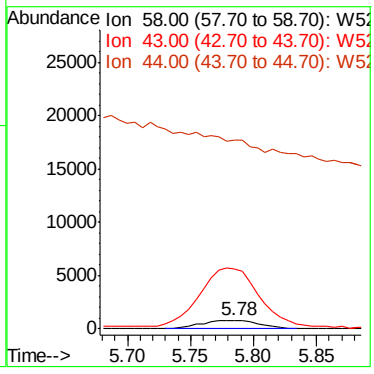


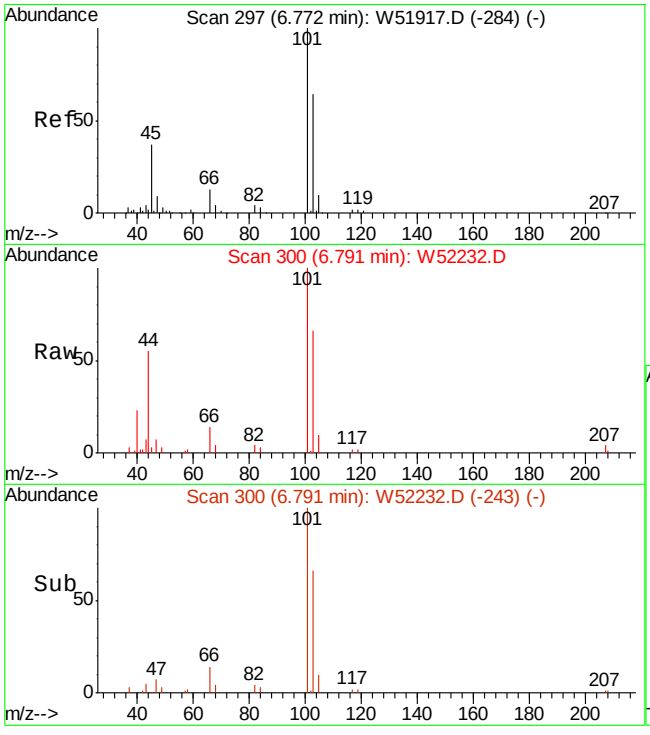


#12
n-BUTANE
Concen: 0.86 PPBV
RT: 5.78 min Scan# 135
Delta R.T. 0.02 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 58 Resp: 2552

Ion	Ratio	Lower	Upper
58	100		
43	765.6	577.4	866.0
44	0.0	20.6	30.8#

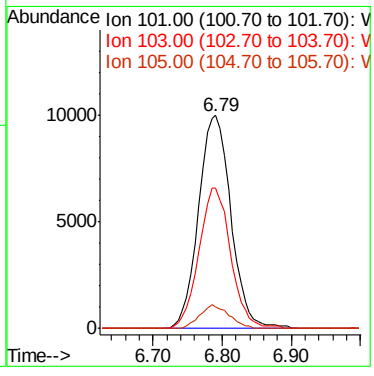


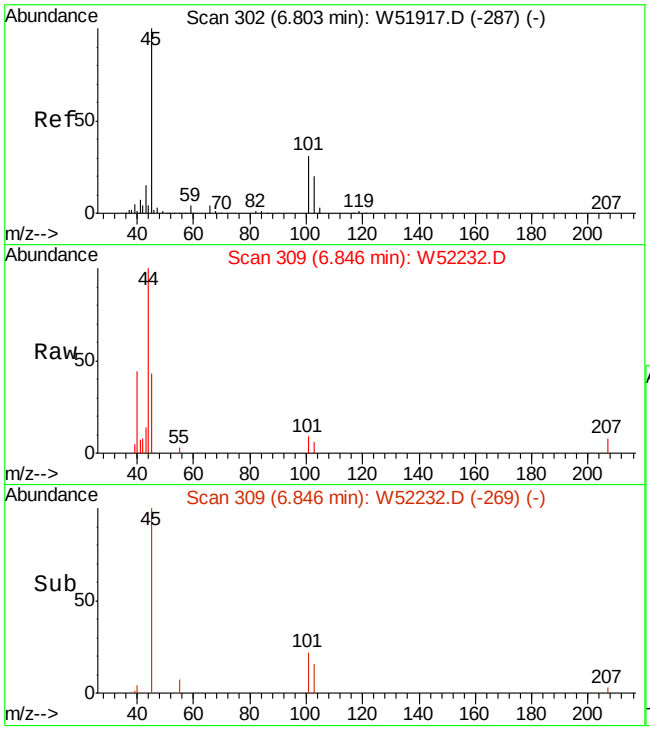


#17
TRICHLOROFLUOROMETHANE
Concen: 1.21 PPBV
RT: 6.79 min Scan# 300
Delta R.T. 0.02 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion:101 Resp: 32599

Ion	Ratio	Lower	Upper
101	100		
103	64.7	44.7	84.7
105	10.0	0.0	30.4

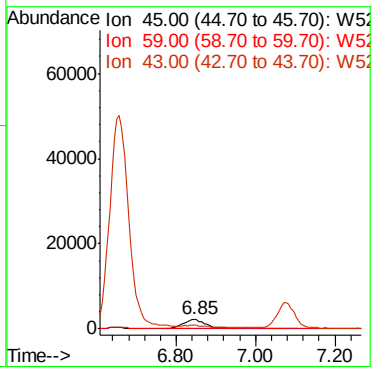


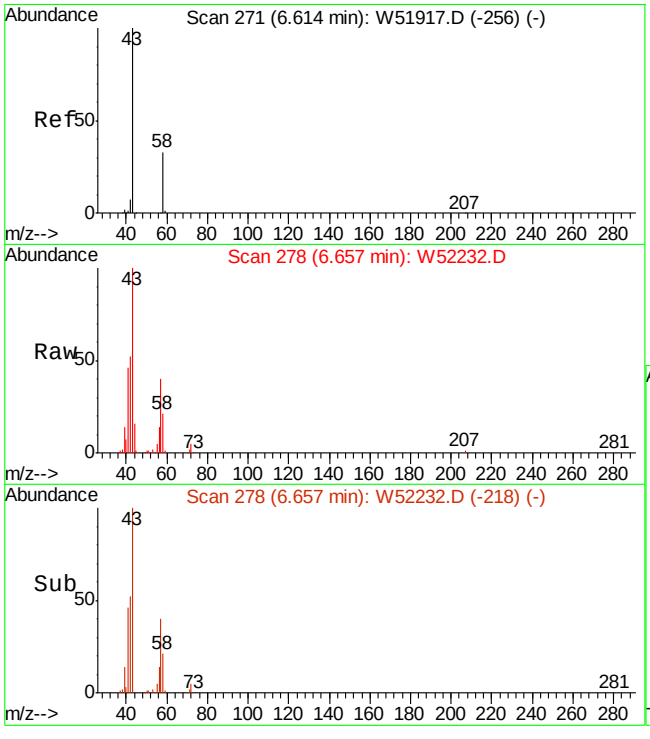


#18
ISOPROPYL ALCOHOL
Concen: 0.41 PPBV
RT: 6.85 min Scan# 309
Delta R.T. 0.04 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 45 Resp: 10130

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	24.3
43	33.2	0.0	37.4

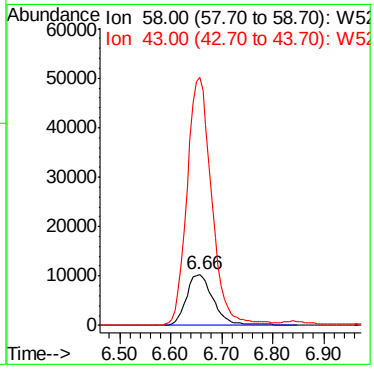


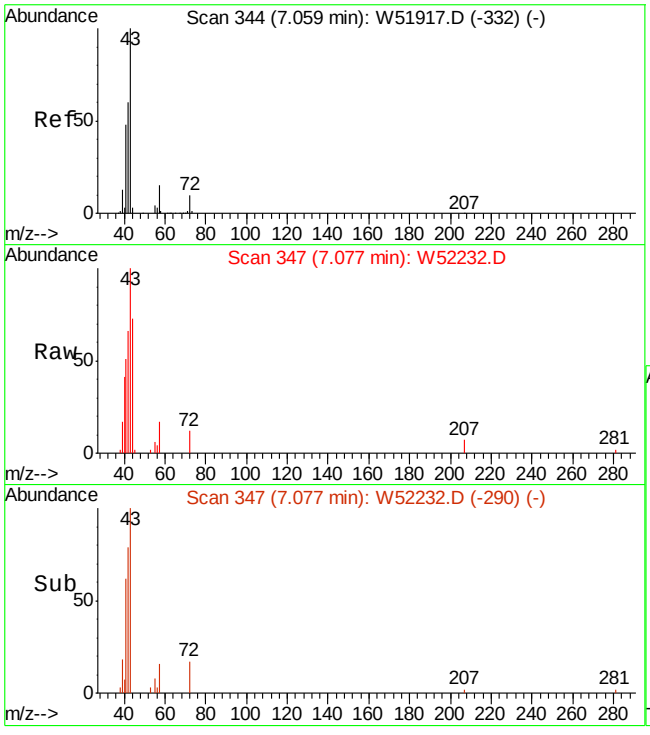


#19
ACETONE
Concen: 5.74 PPBV
RT: 6.66 min Scan# 278
Delta R.T. 0.04 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 58 Resp: 38389

Ion	Ratio	Lower	Upper
58	100		
43	436.0	254.7	294.7#

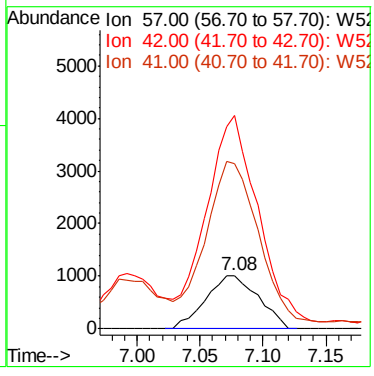


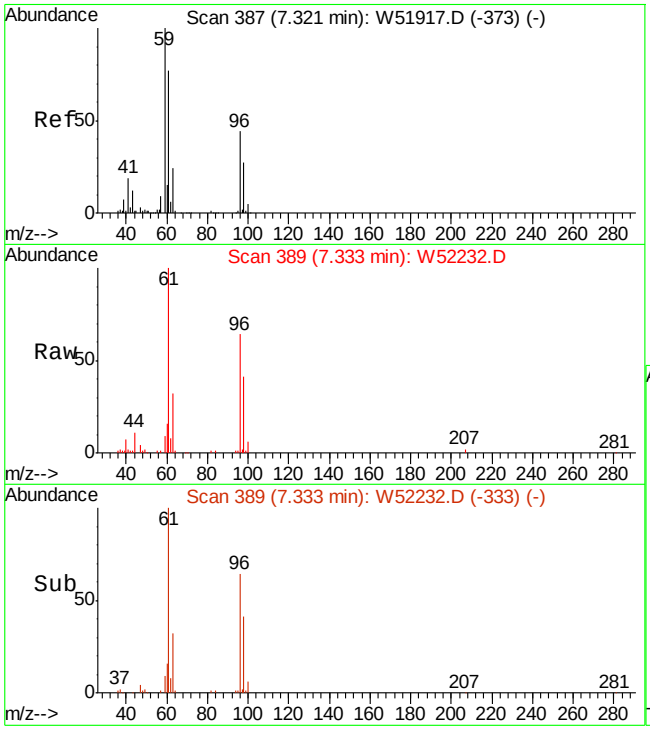


#22
PENTANE
Concen: 0.78 PPBV
RT: 7.08 min Scan# 347
Delta R.T. 0.02 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 57 Resp: 2911

Ion	Ratio	Lower	Upper
57	100		
42	402.2	366.1	406.1
41	328.2	286.4	326.4#

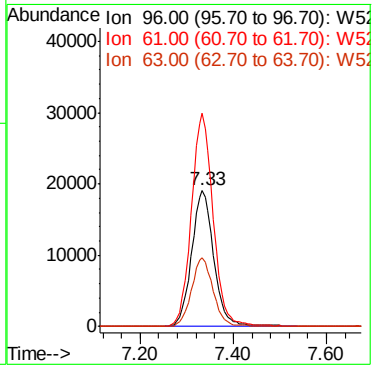


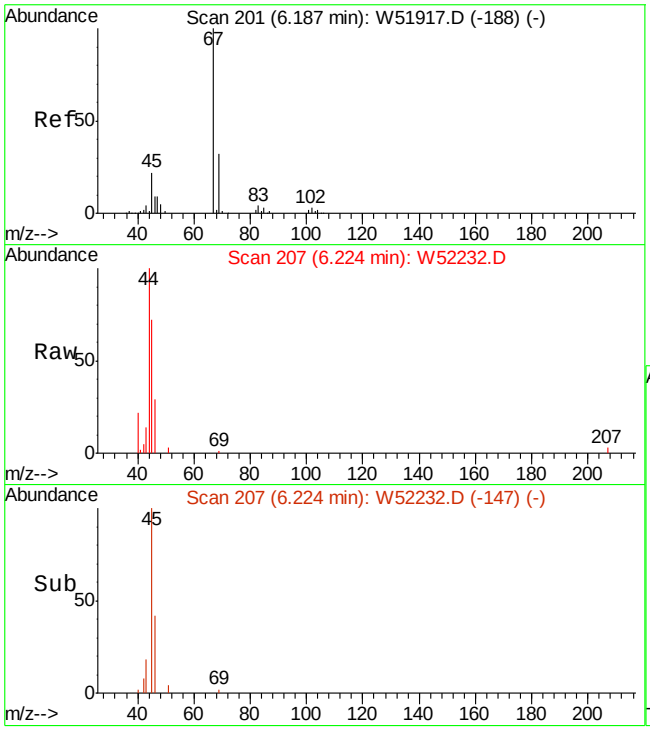


#24
1,1-DICHLOROETHYLENE
Concen: 4.81 PPBV
RT: 7.33 min Scan# 389
Delta R.T. 0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 96 Resp: 63327

Ion	Ratio	Lower	Upper
96	100		
61	153.8	137.8	177.8
63	49.4	30.5	70.5

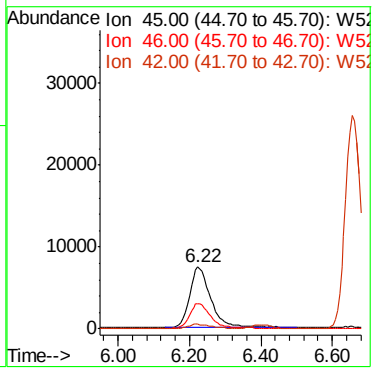


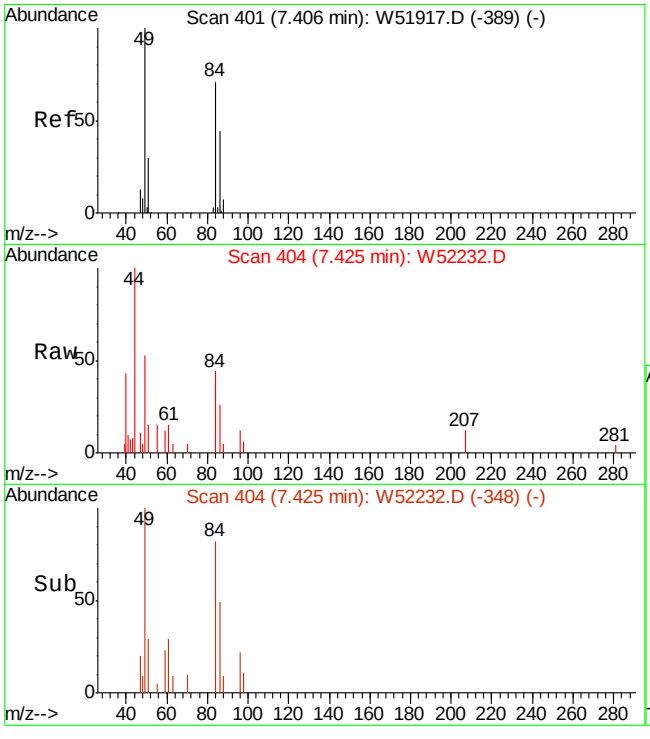


#26
ETHANOL
Concen: 5.35 PPBV
RT: 6.22 min Scan# 207
Delta R.T. 0.04 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 45 Resp: 30590

Ion	Ratio	Lower	Upper
45	100		
46	43.1	19.6	59.6
42	8.2	0.0	28.5

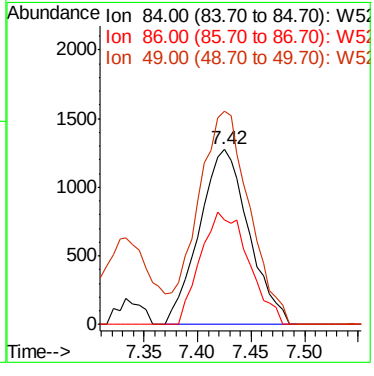


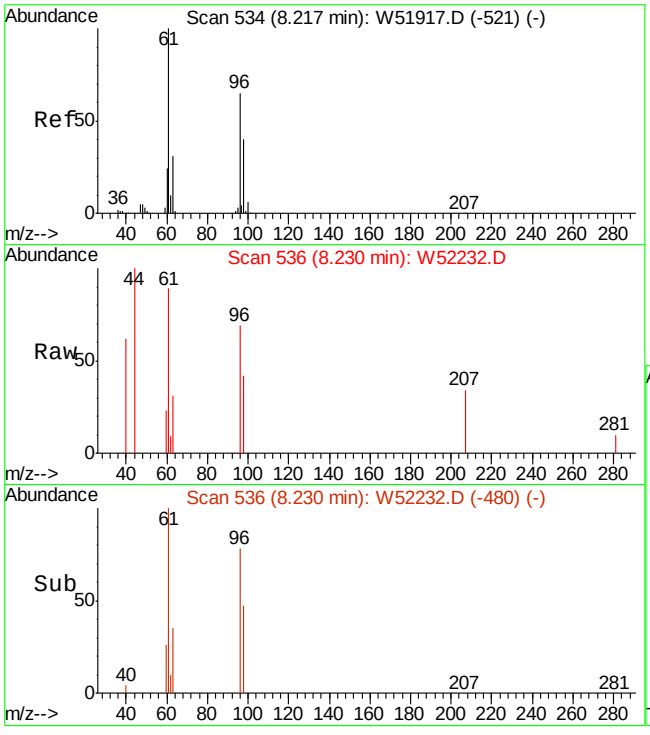


#29
METHYLENE CHLORIDE
Concen: 0.36 PPBV
RT: 7.42 min Scan# 404
Delta R.T. 0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 84 Resp: 4093

Ion	Ratio	Lower	Upper
84	100		
86	62.4	43.4	83.4
49	128.0	0.0	325.0

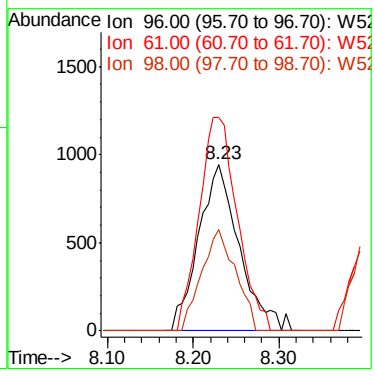


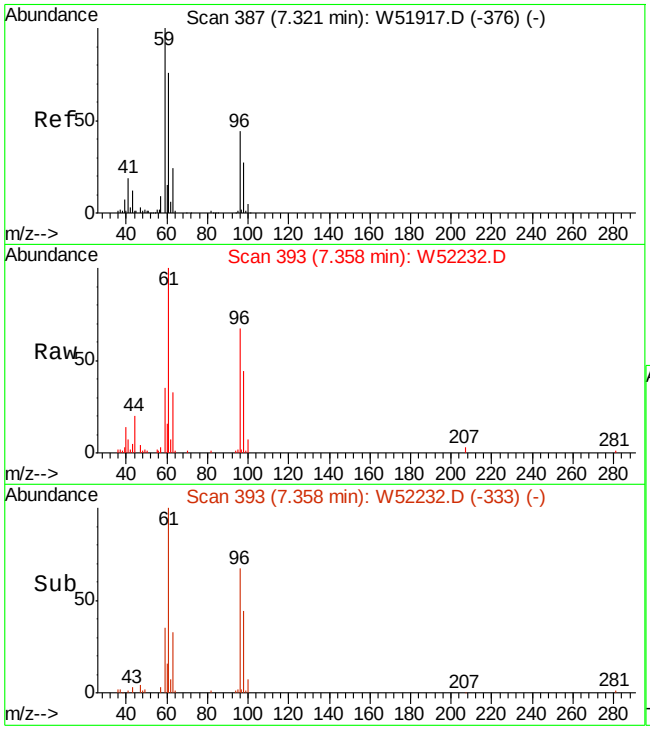


#32
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.24 PPBV
RT: 8.23 min Scan# 536
Delta R.T. 0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 96 Resp: 3125

Ion	Ratio	Lower	Upper
96	100		
61	120.2	118.7	158.7
98	50.7	42.1	82.1

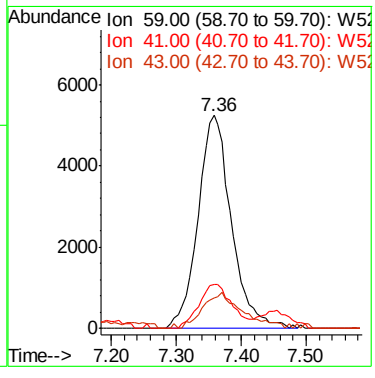


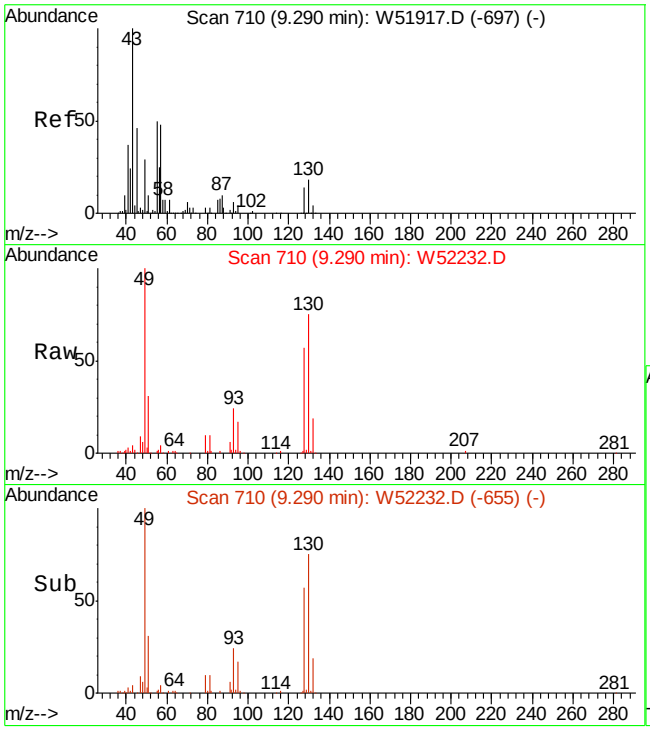


#33
TERTIARY BUTYL ALCOHOL
Concen: 0.71 PPBV
RT: 7.36 min Scan# 393
Delta R.T. 0.04 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 59 Resp: 18793

Ion	Ratio	Lower	Upper
59	100		
41	21.1	0.0	39.0
43	19.9	0.0	32.1

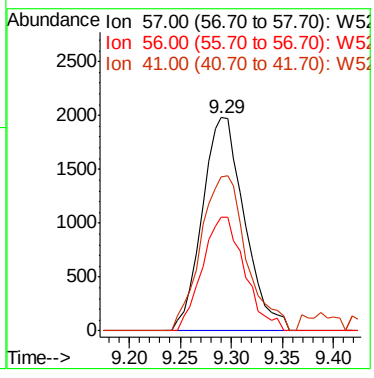


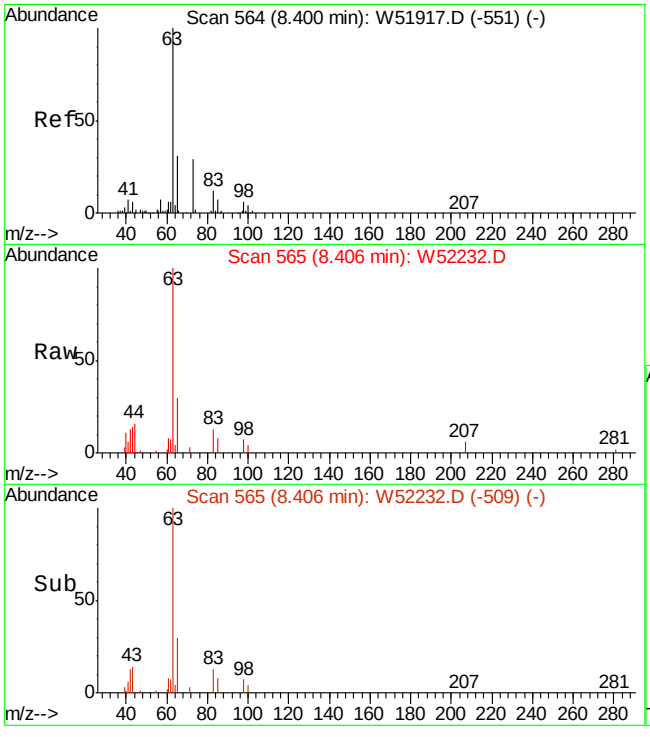


#36
HEXANE
Concen: 0.26 PPBV
RT: 9.29 min Scan# 710
Delta R.T. 0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 57 Resp: 5713

Ion	Ratio	Lower	Upper
57	100		
56	53.4	31.5	71.5
41	78.6	73.1	113.1

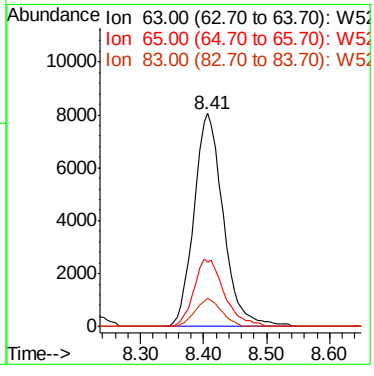


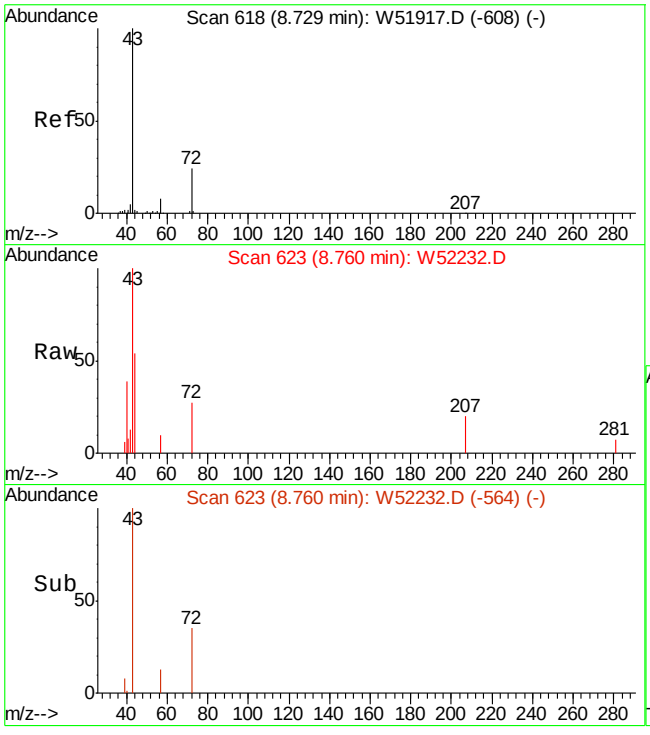


#38
1,1-DICHLOROETHANE
Concen: 1.17 PPBV
RT: 8.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 63 Resp: 26003

Ion	Ratio	Lower	Upper
63	100		
65	32.7	11.2	51.2
83	11.9	0.0	32.3

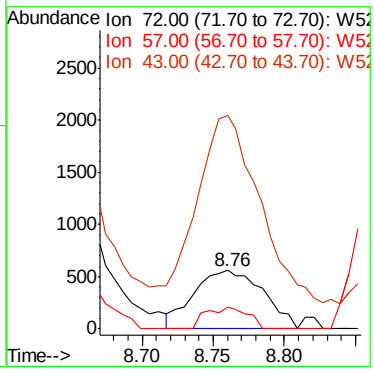


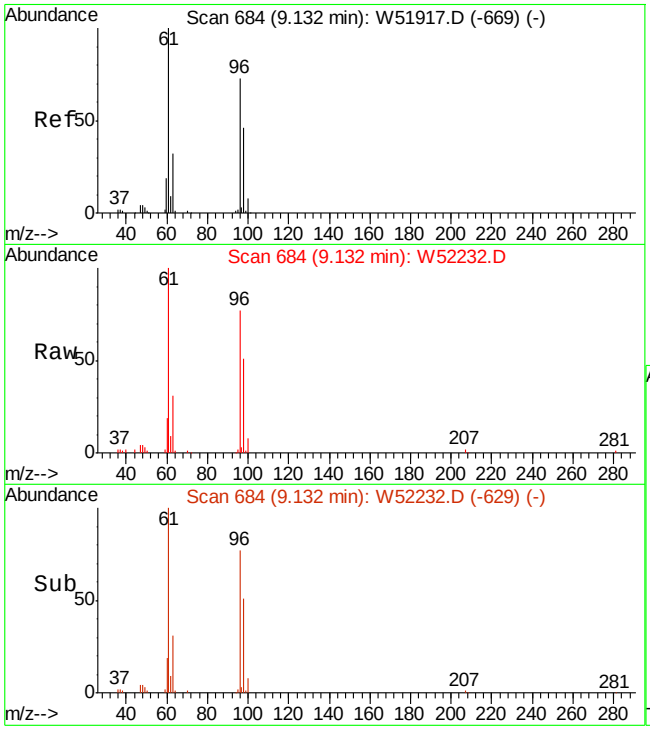


#39
METHYL ETHYL KETONE
Concen: 0.32 PPBV m
RT: 8.76 min Scan# 623
Delta R.T. 0.03 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 72 Resp: 1887

Ion	Ratio	Lower	Upper
72	100		
57	36.6	10.6	50.6
43	365.0	362.9	402.9

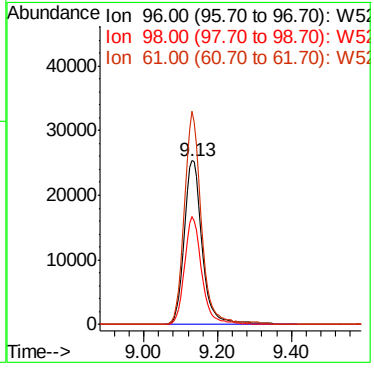


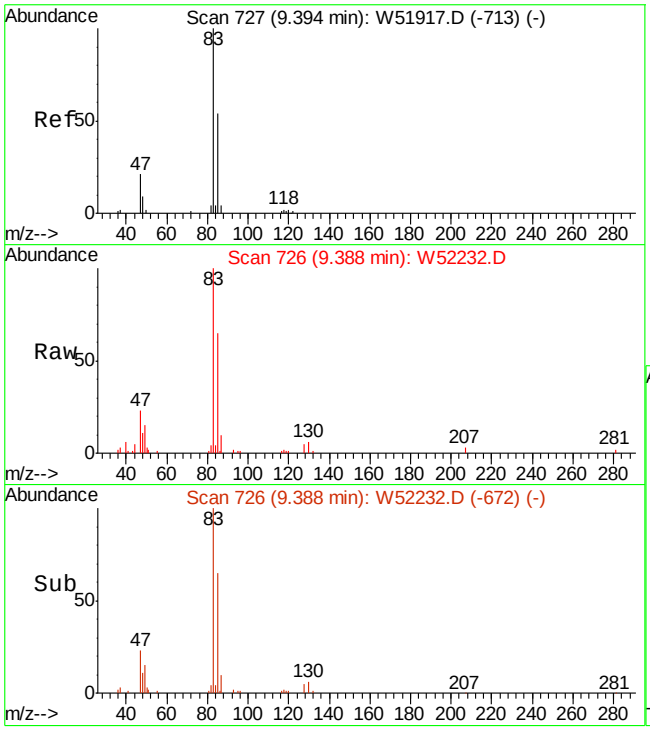


#40
cis-1,2-DICHLOROETHYLENE
Concen: 6.38 PPBV
RT: 9.13 min Scan# 684
Delta R.T. 0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 96 Resp: 86220

Ion	Ratio	Lower	Upper
96	100		
98	62.5	42.3	82.3
61	123.2	104.5	144.5

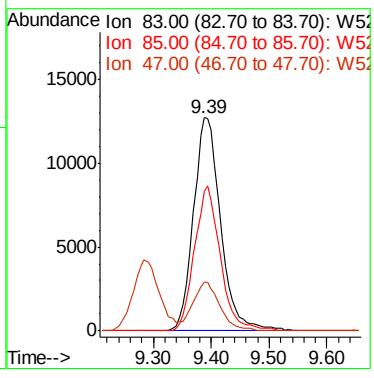


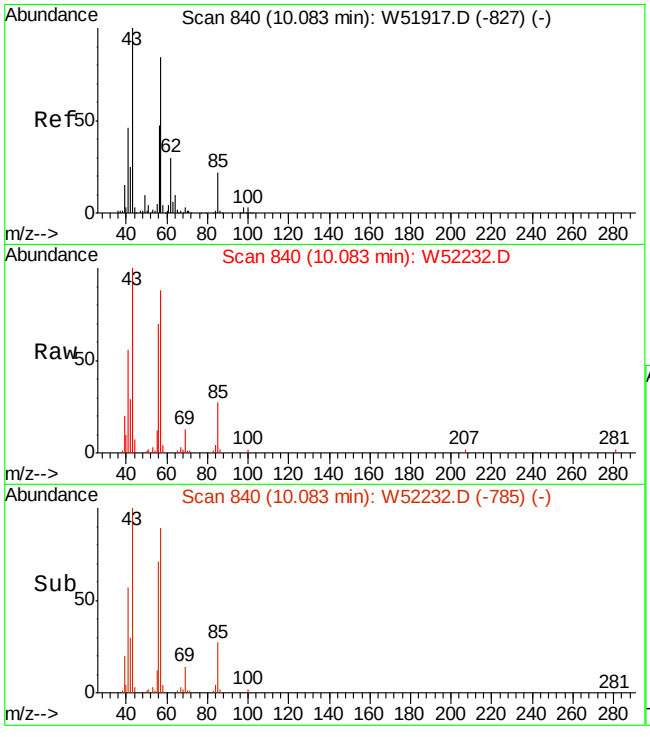


#44
CHLOROFORM
Concen: 1.76 PPBV
RT: 9.39 min Scan# 726
Delta R.T. 0.00 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 83 Resp: 41229

Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.9	85.9
47	22.3	2.3	42.3

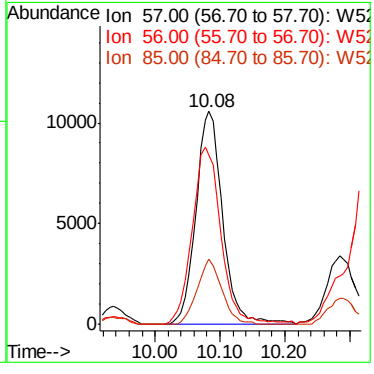


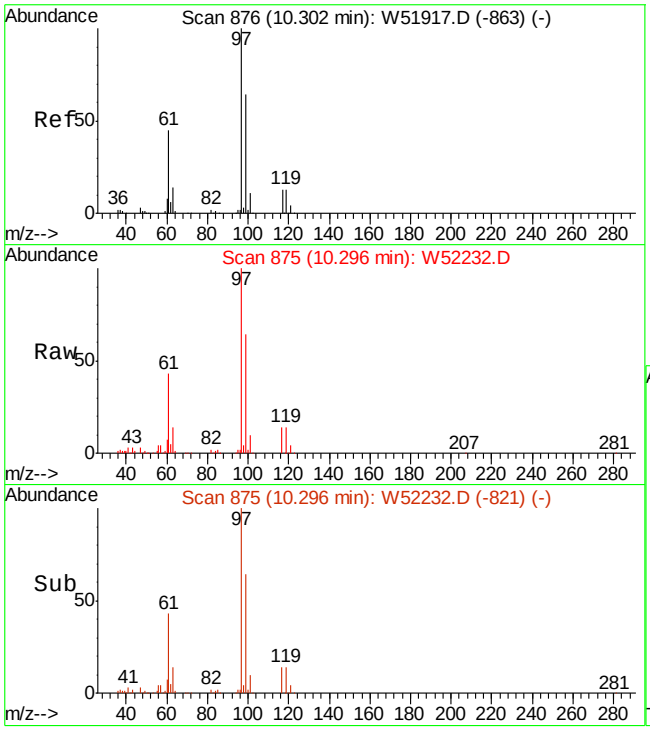


#45
2,4-DIMETHYLPENTANE
Concen: 1.25 PPBV
RT: 10.08 min Scan# 840
Delta R.T. 0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 57 Resp: 30389

Ion	Ratio	Lower	Upper
57	100		
56	89.8	44.3	66.5#
85	28.3	23.8	35.6

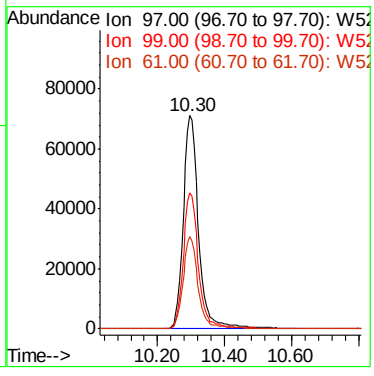


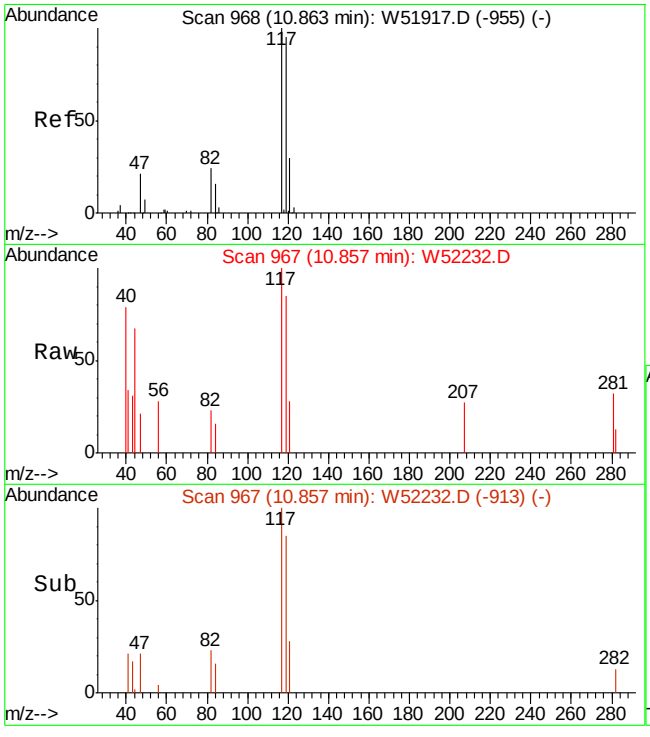


#46
1,1,1-TRICHLOROETHANE
Concen: 9.74 PPBV
RT: 10.30 min Scan# 875
Delta R.T. 0.00 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 97 Resp: 224513

Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.3	84.3
61	43.0	23.0	63.0

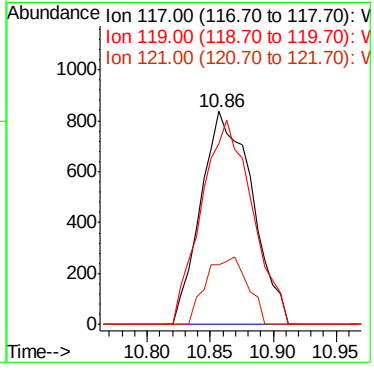


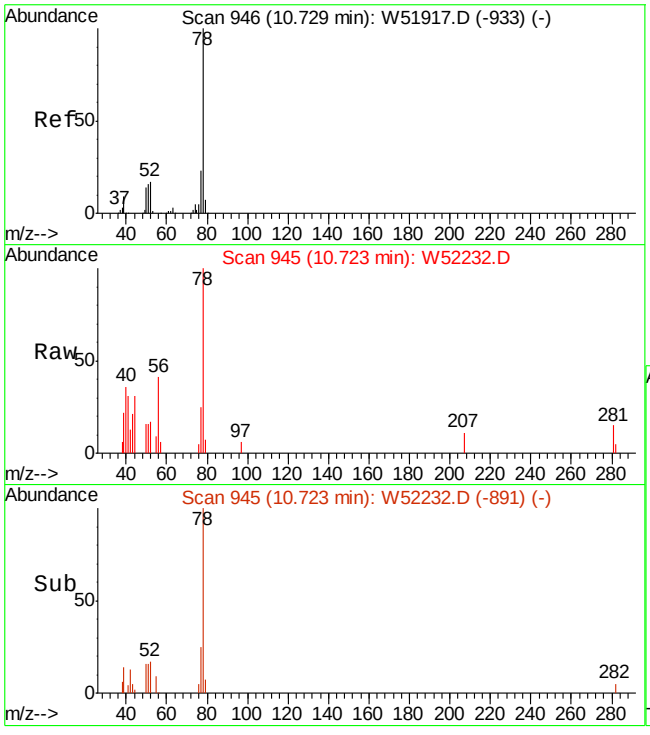


#47
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.86 min Scan# 967
Delta R.T. 0.00 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion:117 Resp: 2364

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.2	116.2
121	25.8	10.5	50.5

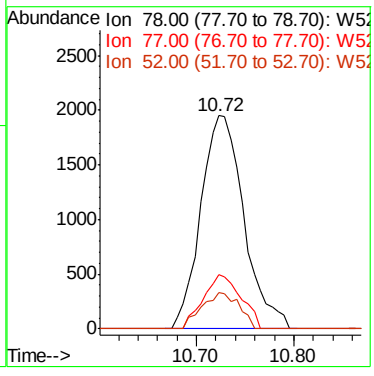


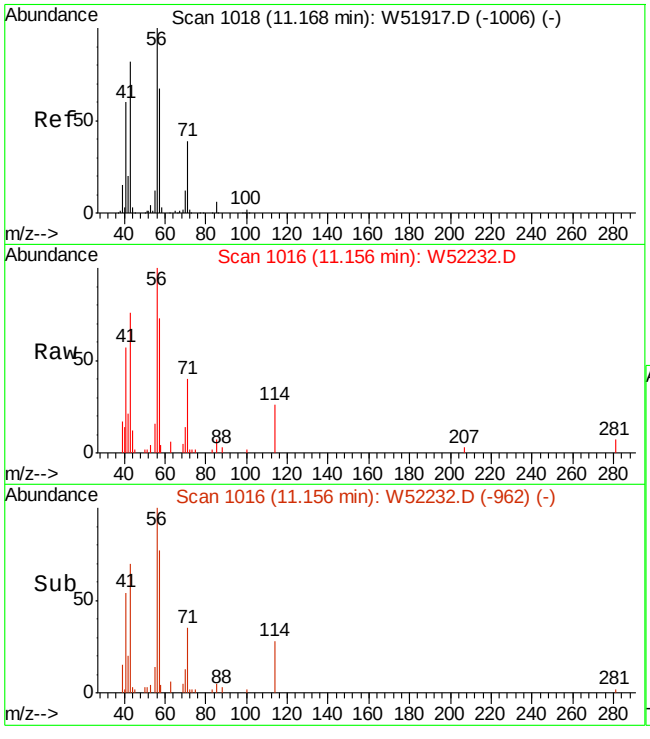


#50
BENZENE
Concen: 0.16 PPBV
RT: 10.72 min Scan# 945
Delta R.T. 0.00 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 78 Resp: 5990

Ion	Ratio	Lower	Upper
78	100		
77	22.1	3.1	43.1
52	14.5	0.0	35.4

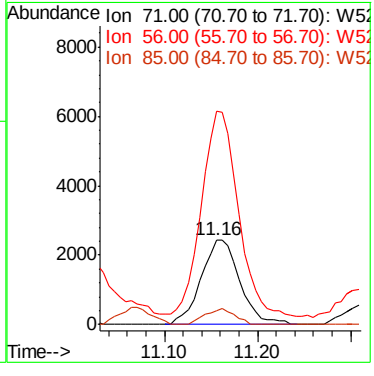


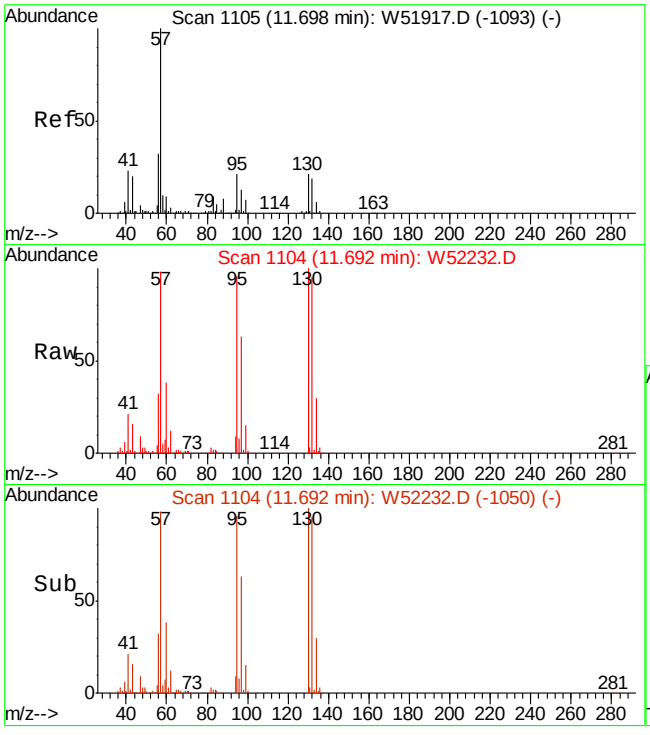


#52
2,3-DIMETHYLPENTANE
Concen: 0.85 PPBV
RT: 11.16 min Scan# 1016
Delta R.T. 0.00 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 71 Resp: 7084

Ion	Ratio	Lower	Upper
71	100		
56	248.7	194.0	291.0
85	14.3	13.6	20.4

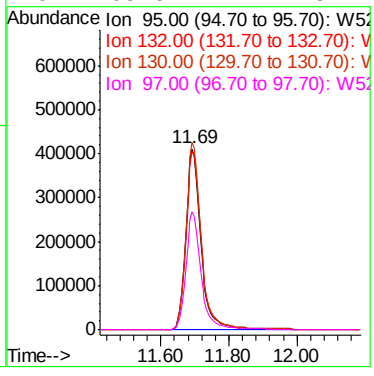


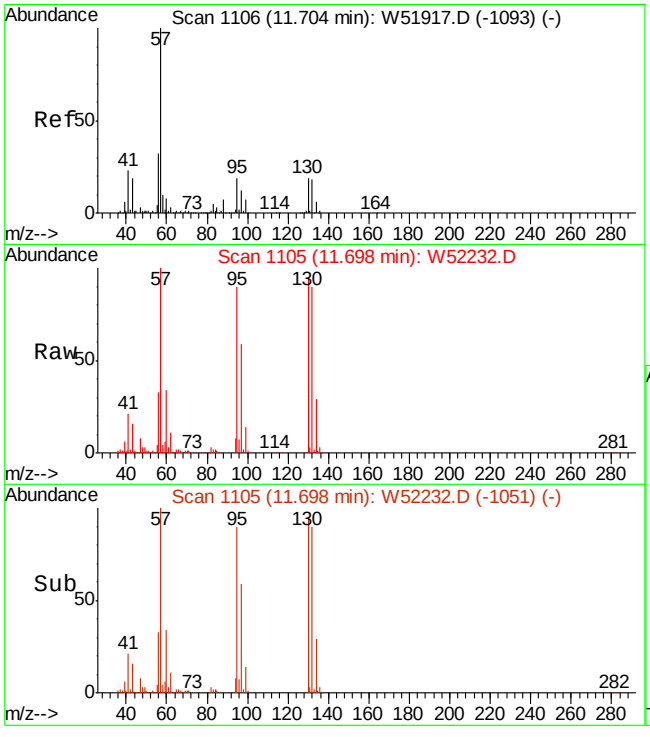


#53
TRICHLOROETHYLENE
Concen: 85.74 PPBV
RT: 11.69 min Scan# 1104
Delta R.T. 0.00 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 95 Resp: 1272660

Ion	Ratio	Lower	Upper
95	100		
132	99.6	79.9	119.9
130	104.2	84.5	124.5
97	65.0	44.4	84.4

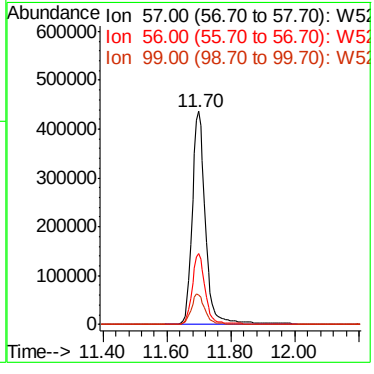


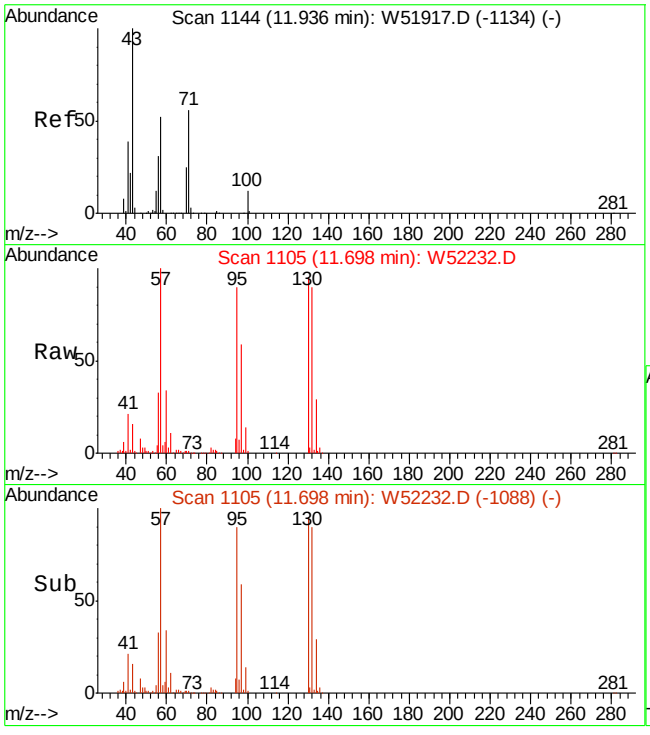


#58
2,2,4-TRIMETHYLPENTANE
Concen: 20.20 PPBV
RT: 11.70 min Scan# 1105
Delta R.T. 0.00 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 57 Resp: 1252282

Ion	Ratio	Lower	Upper
57	100		
56	33.1	11.1	51.1
99	15.2	0.0	27.5

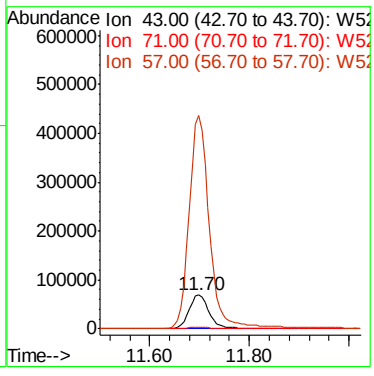


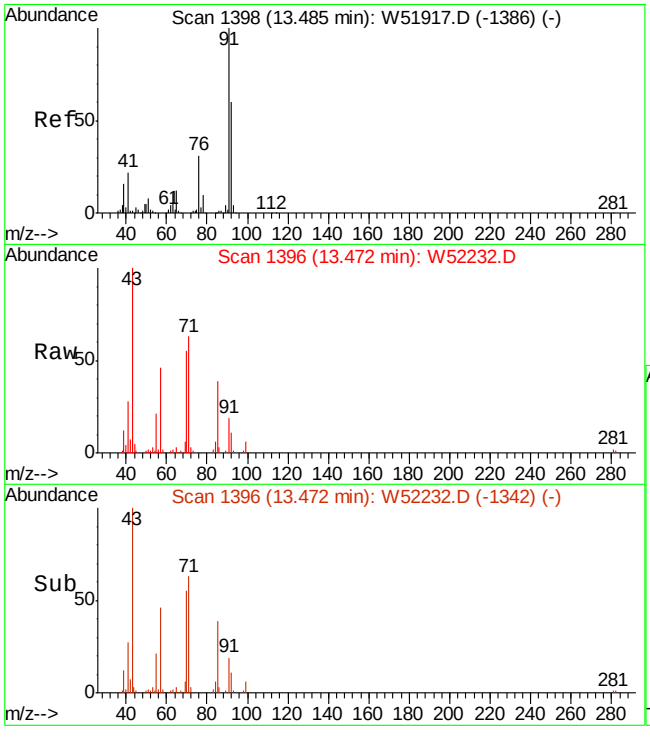


#61
HEPTANE
Concen: 8.65 PPBV
RT: 11.70 min Scan# 1105
Delta R.T. -0.23 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 43 Resp: 193835

Ion	Ratio	Lower	Upper
43	100		
71	5.6	41.8	81.8#
57	650.7	39.5	79.5#

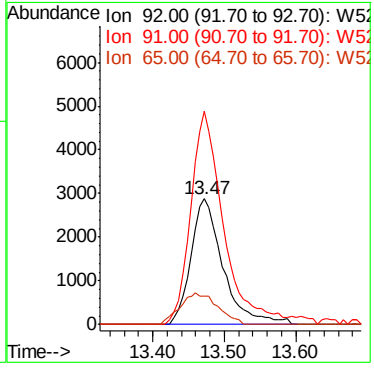


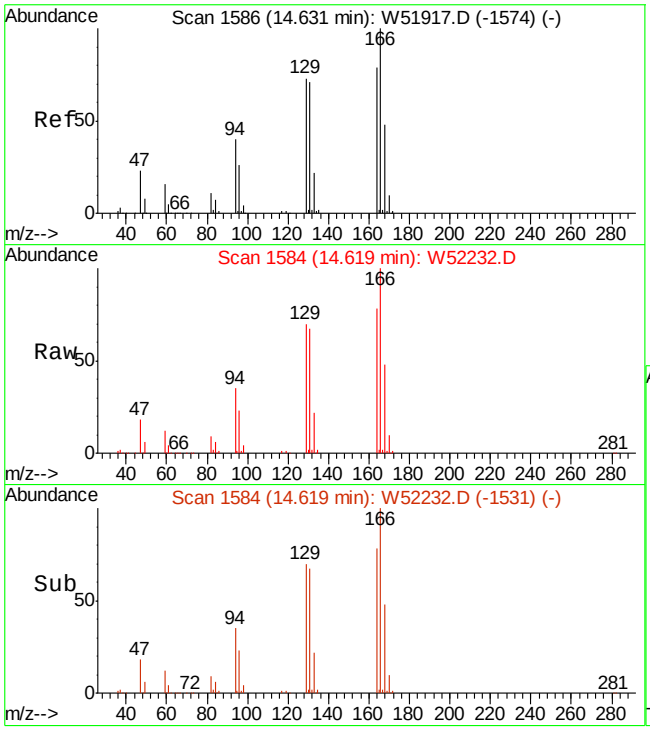


#64
TOLUENE
Concen: 0.36 PPBV
RT: 13.47 min Scan# 1396
Delta R.T. 0.00 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion: 92 Resp: 8979

Ion	Ratio	Lower	Upper
92	100		
91	176.1	148.1	188.1
65	29.4	0.3	40.3

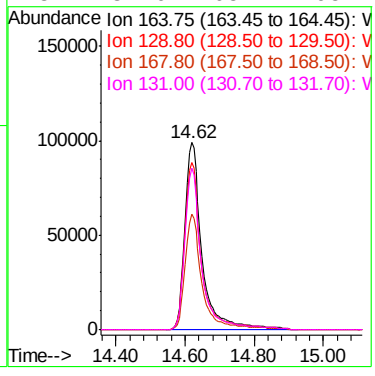


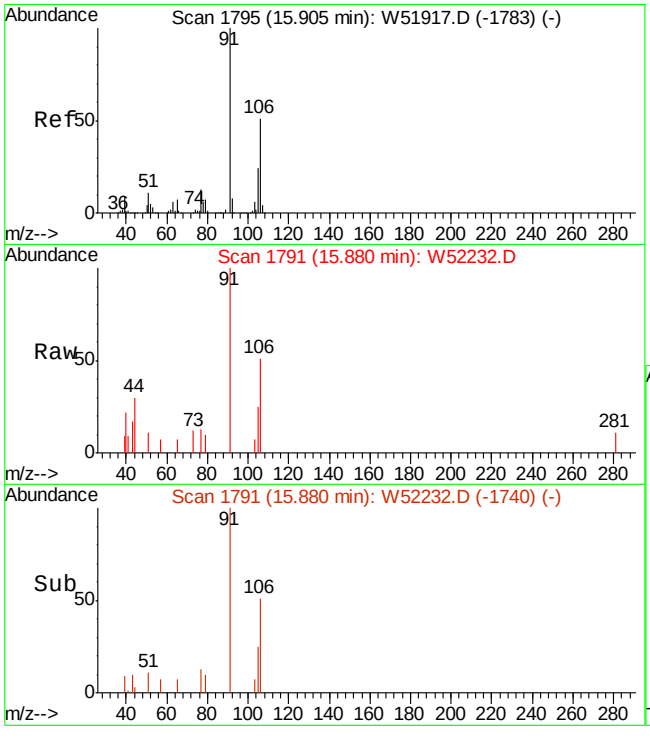


#70
TETRACHLOROETHYLENE
Concen: 24.19 PPBV
RT: 14.62 min Scan# 1584
Delta R.T. -0.01 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion:164 Resp: 342082

Ion	Ratio	Lower	Upper
164	100		
129	88.2	69.3	109.3
168	61.3	41.4	81.4
131	84.6	65.4	105.4

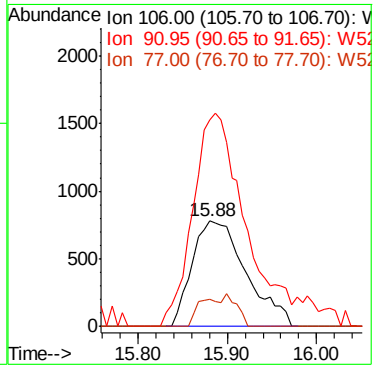




#77
m,p-XYLENE
Concen: 0.18 PPBV
RT: 15.88 min Scan# 1791
Delta R.T. -0.02 min
Lab File: W52232.D
Acq: 30 Oct 2015 3:48 am

Tgt Ion:106 Resp: 3283

Ion	Ratio	Lower	Upper
106	100		
91	196.0	155.4	233.2
77	26.2	19.8	29.6



Manual Integration Approval Summary

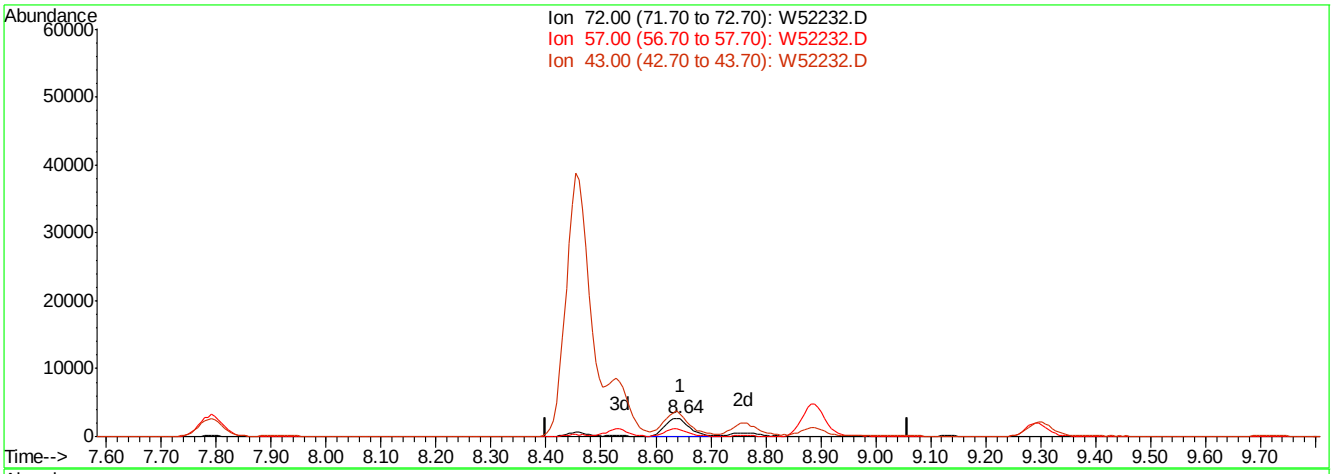
Sample Number:	JC7272-4	**Method:**	TO-15
Lab FileID:	W52232.D	**Analyst approved:**	10/30/15 14:24 Youmin Hu
Injection Time:	10/30/15 03:48	**Supervisor approved:**	11/03/15 17:19 Dana Tryon

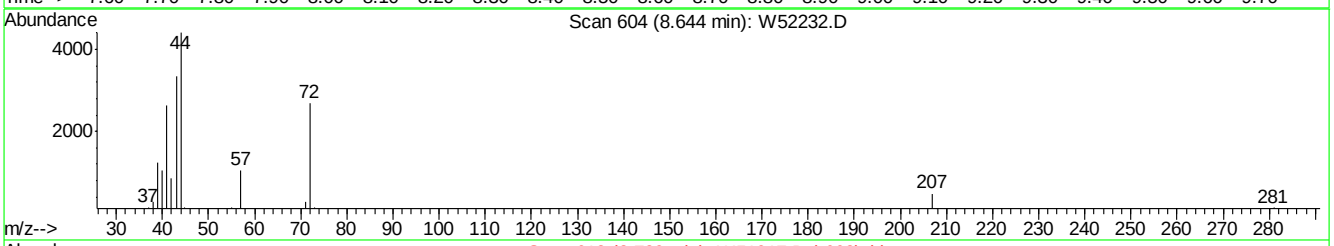
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		8.76	Missed peak

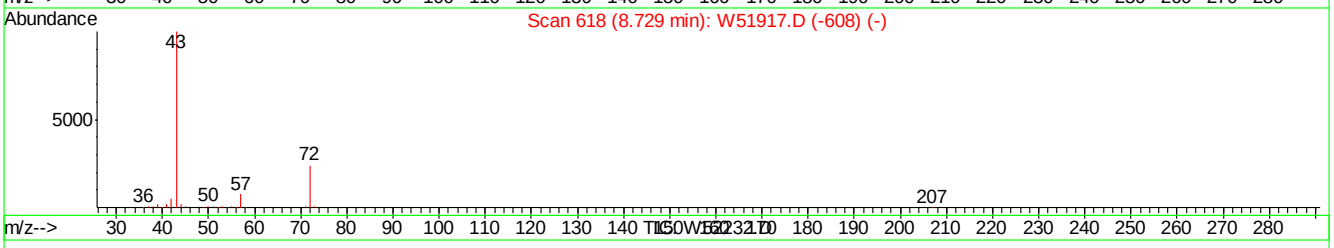
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52232.D Vial: 7
Acq On : 30 Oct 2015 3:48 am Operator: youminh
Sample : JC7272-4 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:42 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration







(39) METHYL ETHYL KETONE

8.64min 1.44PPBV

response 8596

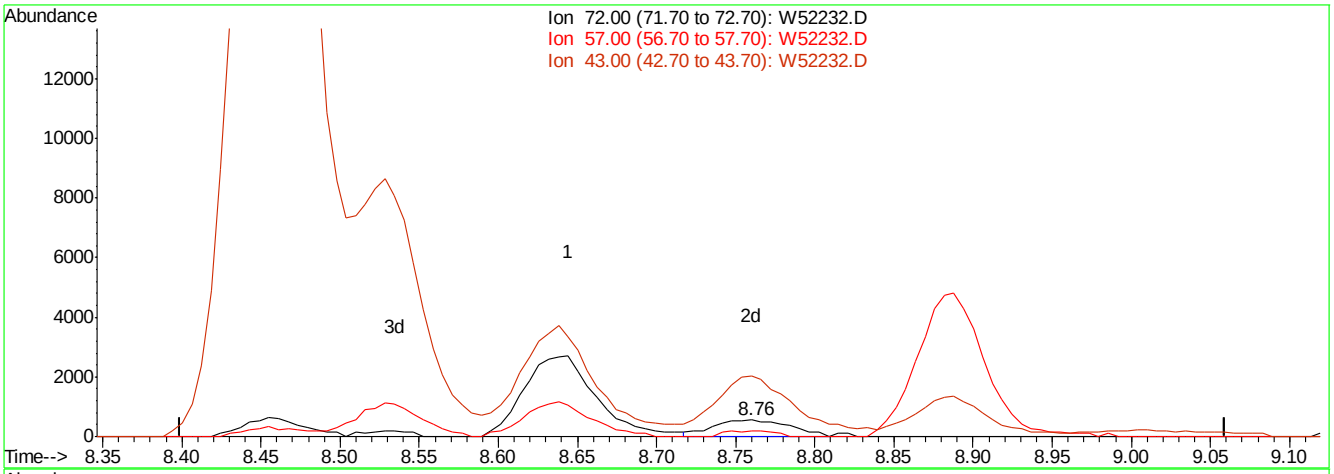
Ion	Exp%	Act%
72.00	100	100
57.00	30.60	38.95
43.00	382.90	124.22#
0.00	0.00	0.00

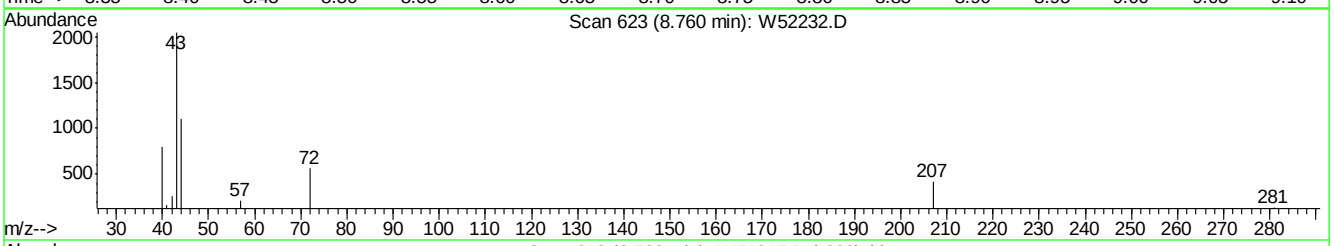
W52232.D MW2080.M Fri Oct 30 11:42:28 2015 MSW

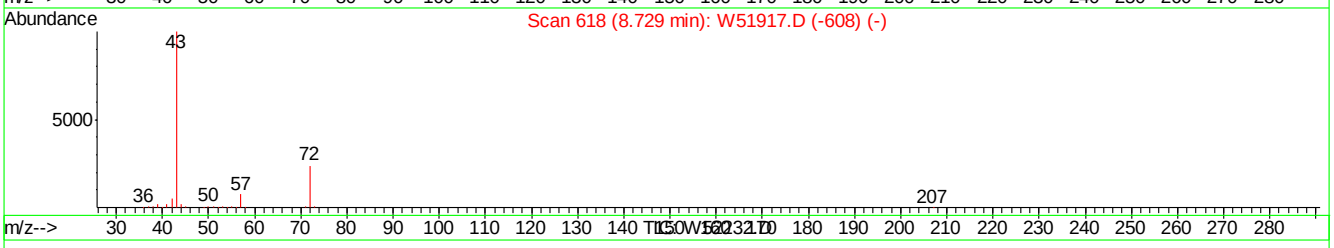
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52232.D Vial: 7
Acq On : 30 Oct 2015 3:48 am Operator: youminh
Sample : JC7272-4 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:43 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration







(39) METHYL ETHYL KETONE

8.76min 0.32PPBV m

response 1887

Ion	Exp%	Act%
72.00	100	100
57.00	30.60	36.61
43.00	382.90	365.00
0.00	0.00	0.00

W52232.D MW2080.M Fri Oct 30 14:16:39 2015 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52256.D Vial: 2
Acq On : 30 Oct 2015 11:57 pm Operator: youminh
Sample : JC7272-4 Inst : MSW
Misc : MS93717,VW2087,20,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:26:51 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	78577	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	365706	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	162784	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.89	95	163535	9.19	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 91.90%

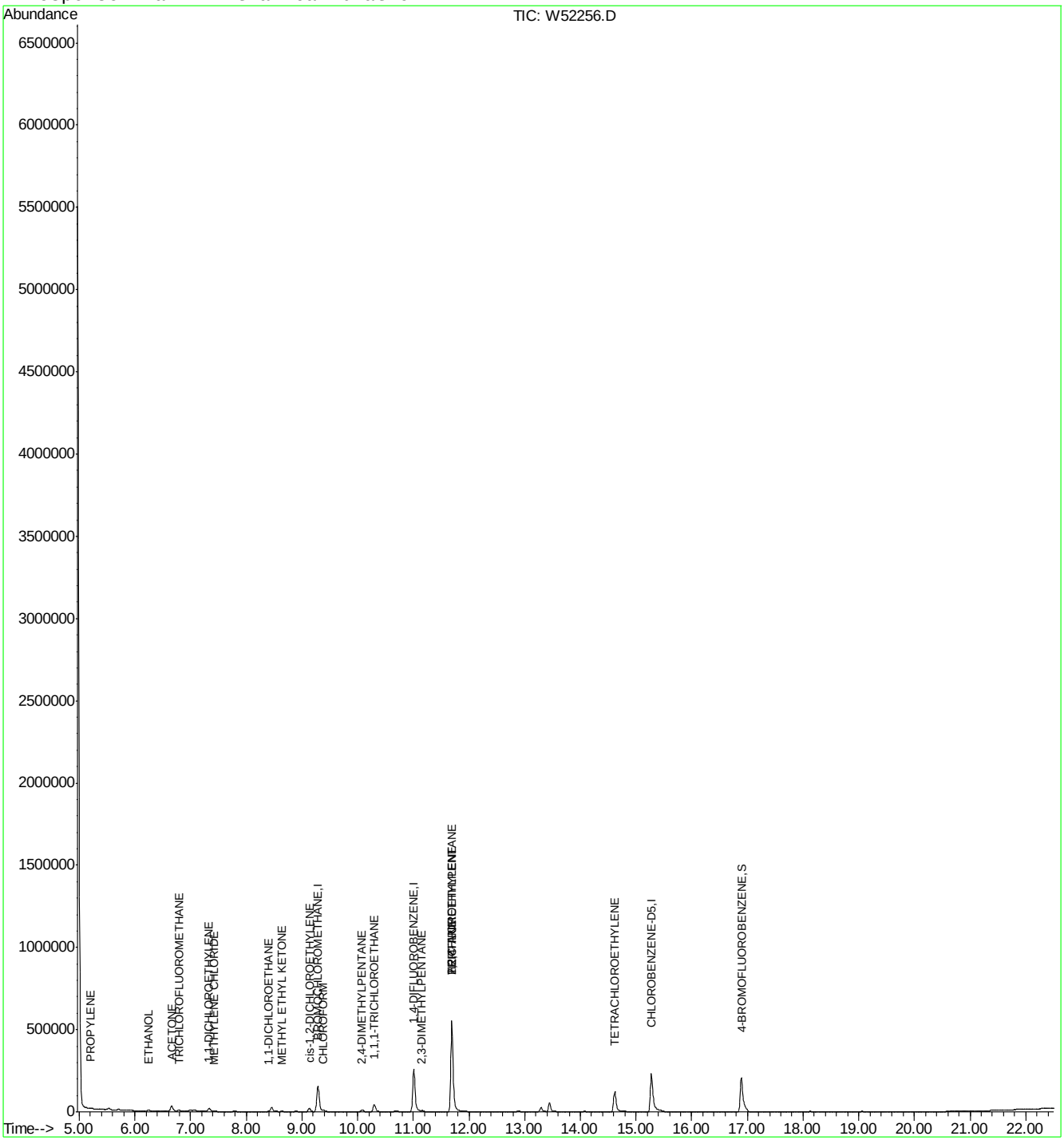
Target Compounds						Qvalue
6) PROPYLENE	5.19	41	2755	0.28	PPBV	94
17) TRICHLOROFLUOROMETHANE	6.78	101	6963	0.30	PPBV	97
19) ACETONE	6.66	58	5466	0.94	PPBV #	1
24) 1,1-DICHLOROETHYLENE	7.33	96	13513	1.18	PPBV	96
26) ETHANOL	6.25	45	7074	1.43	PPBV	87
29) METHYLENE CHLORIDE	7.42	84	1929	0.20	PPBV	93
38) 1,1-DICHLOROETHANE	8.40	63	4802	0.25	PPBV	97
39) METHYL ETHYL KETONE	8.64	72	820	0.16	PPBV #	2
40) cis-1,2-DICHLOROETHYLENE	9.13	96	15967	1.36	PPBV	97
44) CHLOROFORM	9.39	83	7843	0.39	PPBV	93
45) 2,4-DIMETHYLPENTANE	10.08	57	5358	0.26	PPBV #	60
46) 1,1,1-TRICHLOROETHANE	10.30	97	42599	2.13	PPBV	99
52) 2,3-DIMETHYLPENTANE	11.15	71	1185	0.17	PPBV #	66
53) TRICHLOROETHYLENE	11.69	95	230137	18.47	PPBV	99
58) 2,2,4-TRIMETHYLPENTANE	11.69	57	232346	4.46	PPBV	93
61) HEPTANE	11.70	43	38365	2.04	PPBV #	1
70) TETRACHLOROETHYLENE	14.62	164	60536	4.95	PPBV	99

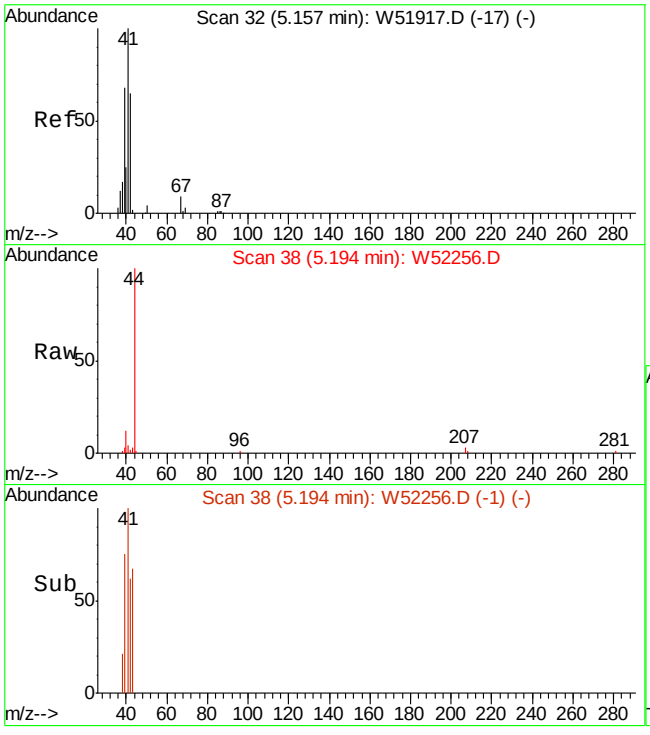
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52256.D Vial: 2
Acq On : 30 Oct 2015 11:57 pm Operator: youminh
Sample : JC7272-4 Inst : MSW
Misc : MS93717,VW2087,20,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 2 10:56 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

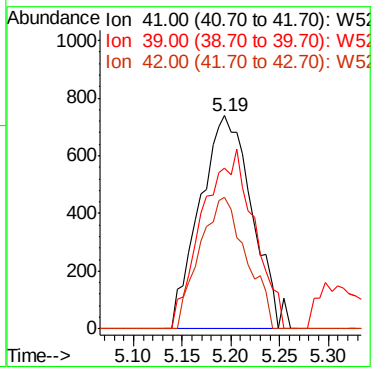


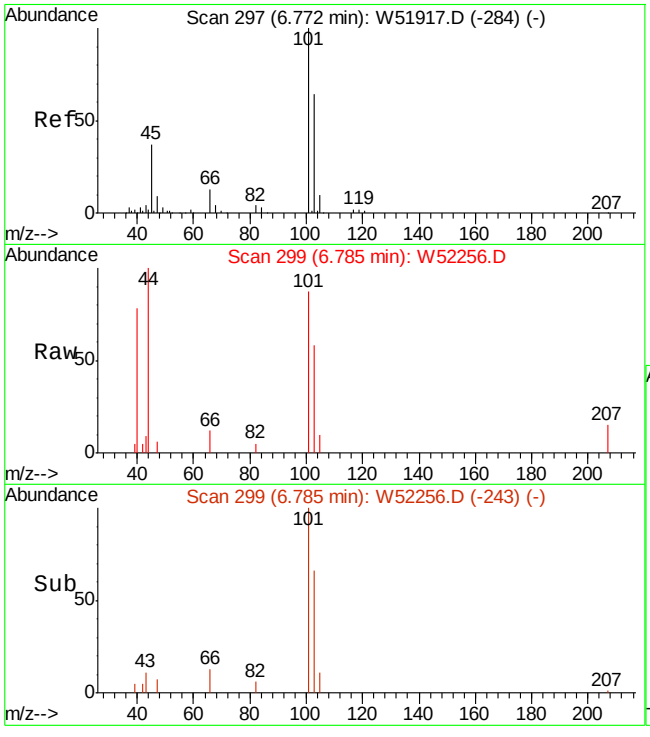


#6
PROPYLENE
Concen: 0.28 PPBV
RT: 5.19 min Scan# 38
Delta R.T. 0.02 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 41 Resp: 2755

Ion	Ratio	Lower	Upper
41	100		
39	75.4	49.2	89.2
42	61.6	44.6	84.6

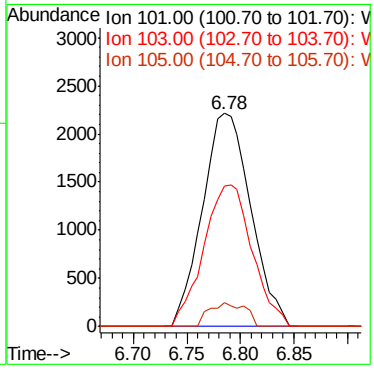


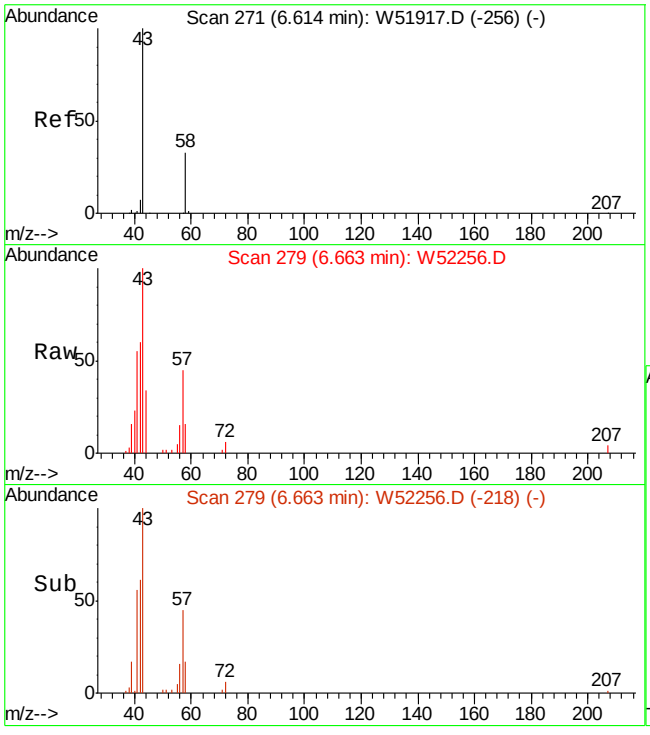


#17
TRICHLOROFLUOROMETHANE
Concen: 0.30 PPBV
RT: 6.78 min Scan# 299
Delta R.T. 0.01 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion:101 Resp: 6963

Ion	Ratio	Lower	Upper
101	100		
103	66.4	44.7	84.7
105	8.3	0.0	30.4

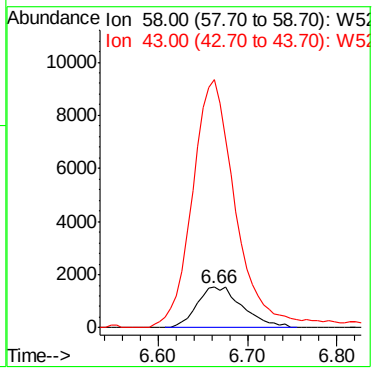


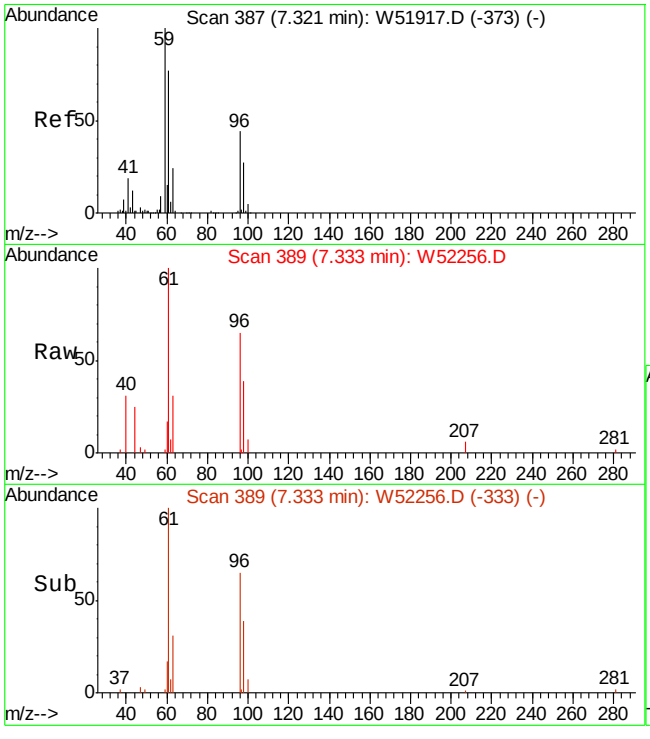


#19
ACETONE
Concen: 0.94 PPBV
RT: 6.66 min Scan# 279
Delta R.T. 0.04 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 58 Resp: 5466

Ion	Ratio	Lower	Upper
58	100		
43	606.1	254.7	294.7#

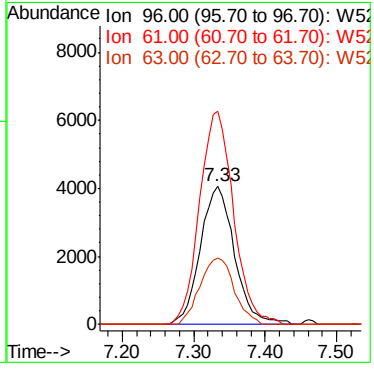


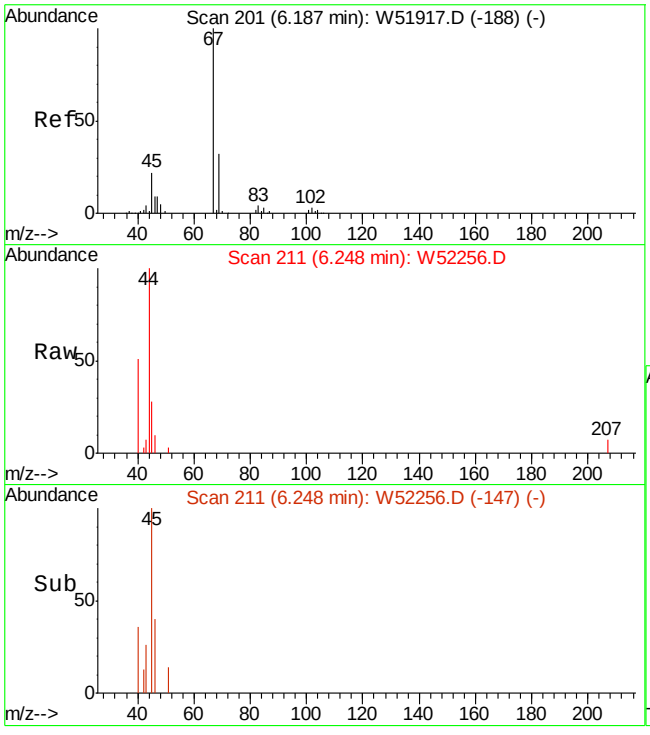


#24
1,1-DICHLOROETHYLENE
Concen: 1.18 PPBV
RT: 7.33 min Scan# 389
Delta R.T. 0.01 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 96 Resp: 13513

Ion	Ratio	Lower	Upper
96	100		
61	153.0	137.8	177.8
63	47.9	30.5	70.5

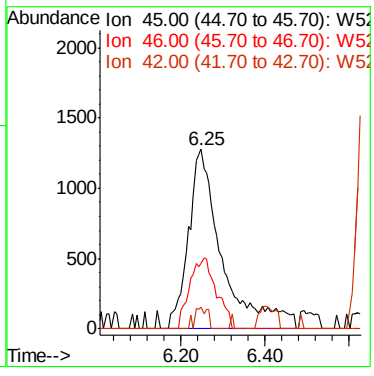


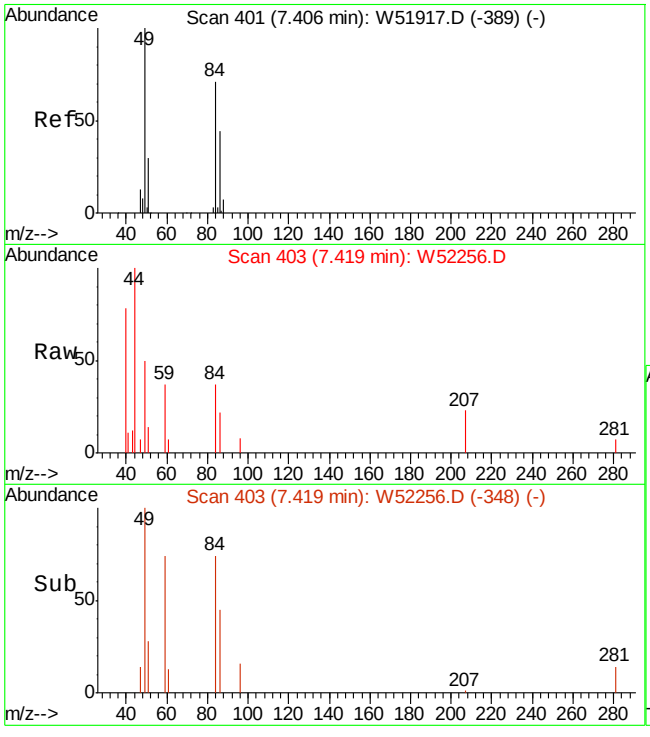


#26
ETHANOL
Concen: 1.43 PPBV
RT: 6.25 min Scan# 211
Delta R.T. 0.06 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 45 Resp: 7074

Ion	Ratio	Lower	Upper
45	100		
46	31.2	19.6	59.6
42	4.7	0.0	28.5

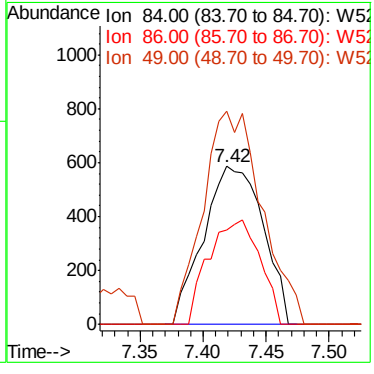


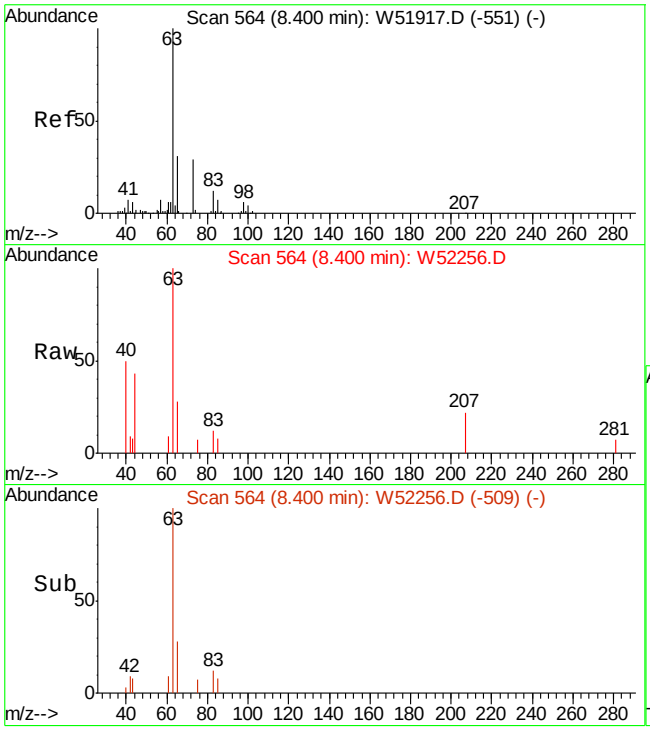


#29
METHYLENE CHLORIDE
Concen: 0.20 PPBV
RT: 7.42 min Scan# 403
Delta R.T. 0.01 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 84 Resp: 1929

Ion	Ratio	Lower	Upper
84	100		
86	57.2	43.4	83.4
49	133.1	0.0	325.0

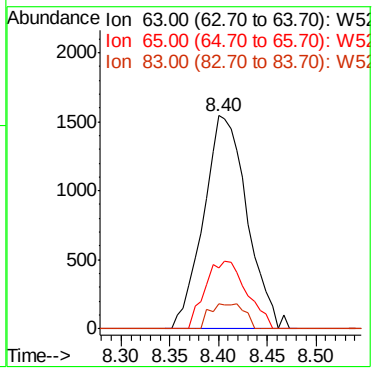


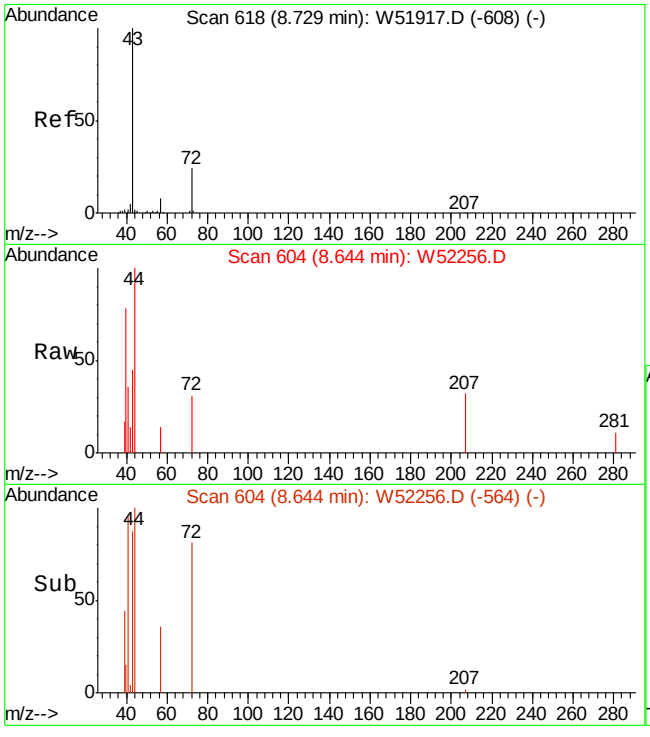


#38
1,1-DICHLOROETHANE
Concen: 0.25 PPBV
RT: 8.40 min Scan# 564
Delta R.T. 0.01 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 63 Resp: 4802

Ion	Ratio	Lower	Upper
63	100		
65	30.2	11.2	51.2
83	9.3	0.0	32.3

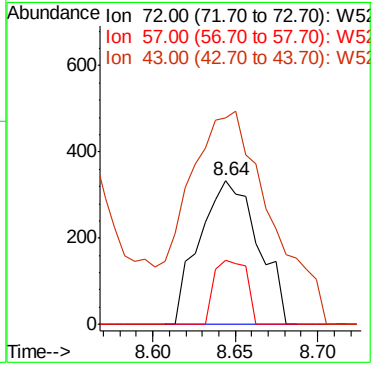


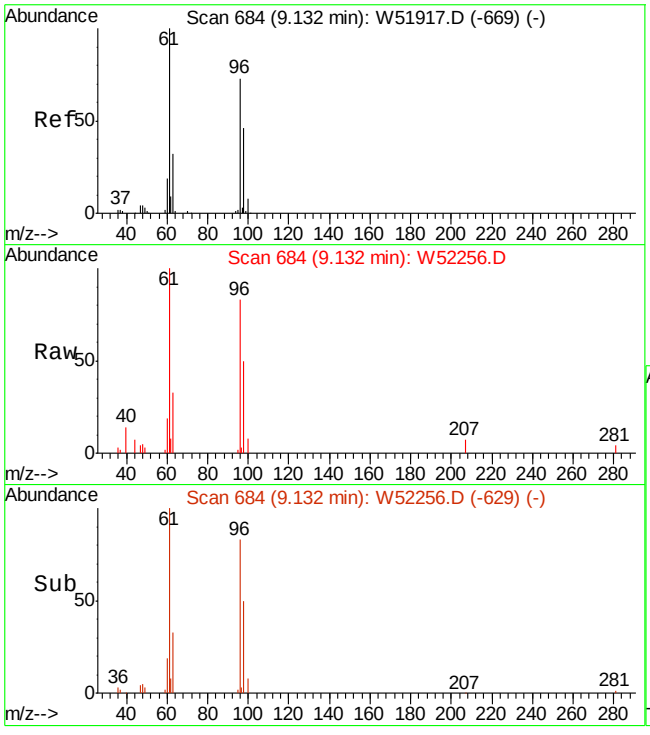


#39
METHYL ETHYL KETONE
Concen: 0.16 PPBV
RT: 8.64 min Scan# 604
Delta R.T. -0.09 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 72 Resp: 820

Ion	Ratio	Lower	Upper
72	100		
57	44.3	10.6	50.6
43	143.1	362.9	402.9#

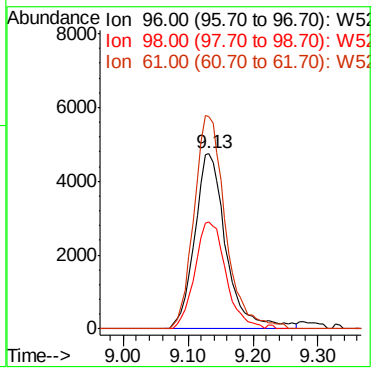


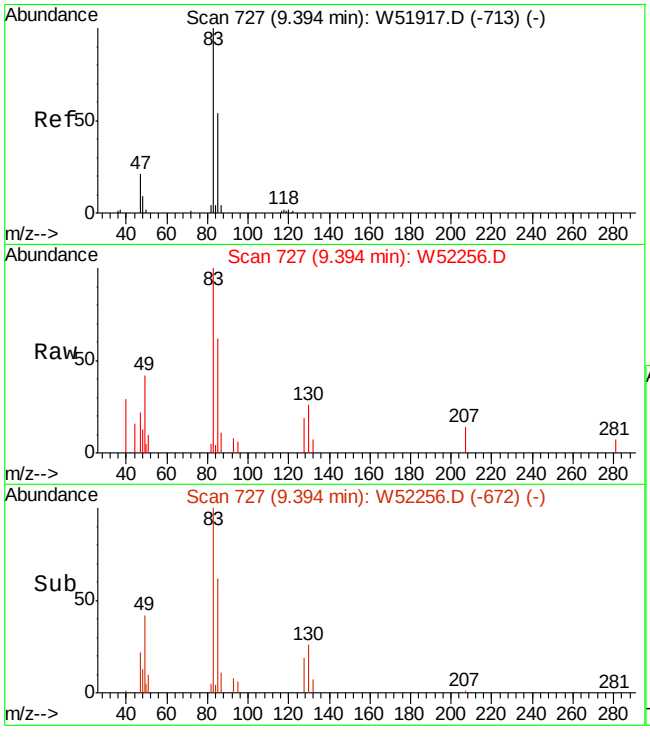


#40
cis-1,2-DICHLOROETHYLENE
Concen: 1.36 PPBV
RT: 9.13 min Scan# 684
Delta R.T. 0.01 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 96 Resp: 15967

Ion	Ratio	Lower	Upper
96	100		
98	60.2	42.3	82.3
61	121.6	104.5	144.5

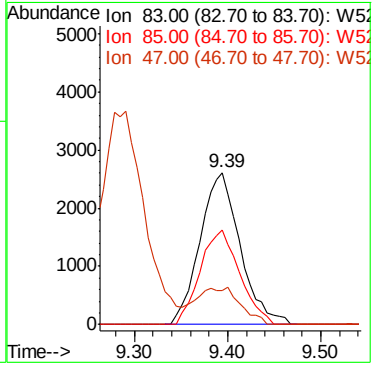


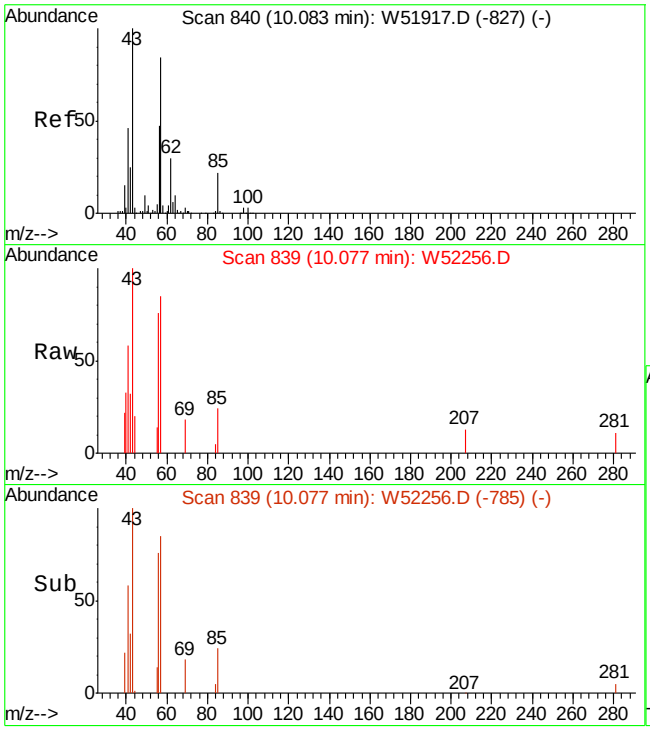


#44
CHLOROFORM
Concen: 0.39 PPBV
RT: 9.39 min Scan# 727
Delta R.T. 0.01 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 83 Resp: 7843

Ion	Ratio	Lower	Upper
83	100		
85	61.6	45.9	85.9
47	27.2	2.3	42.3

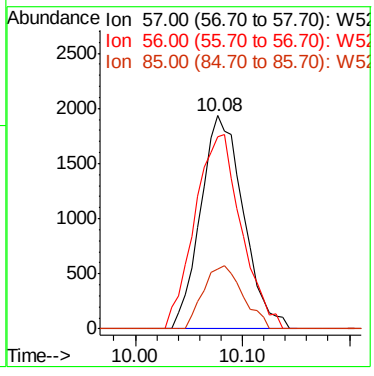


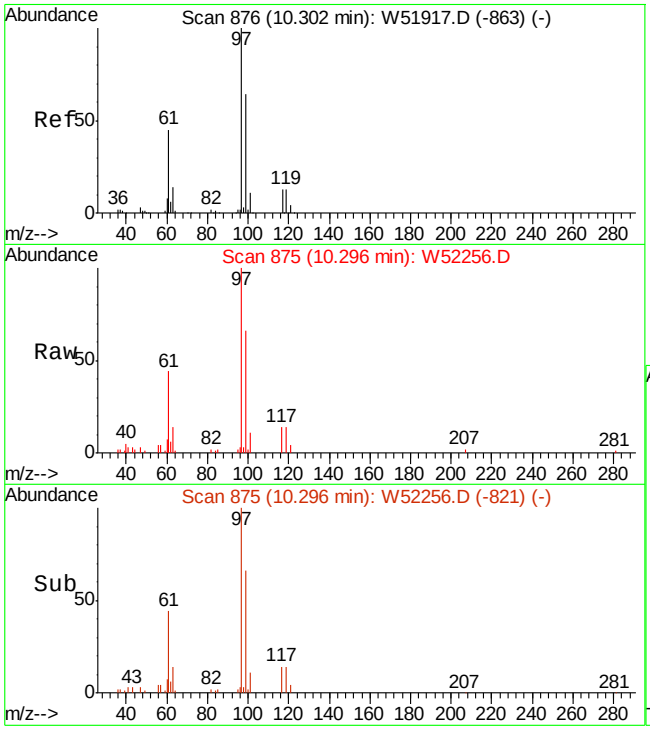


#45
2,4-DIMETHYLPENTANE
Concen: 0.26 PPBV
RT: 10.08 min Scan# 839
Delta R.T. 0.00 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 57 Resp: 5358

Ion	Ratio	Lower	Upper
57	100		
56	98.8	44.3	66.5#
85	27.3	23.8	35.6

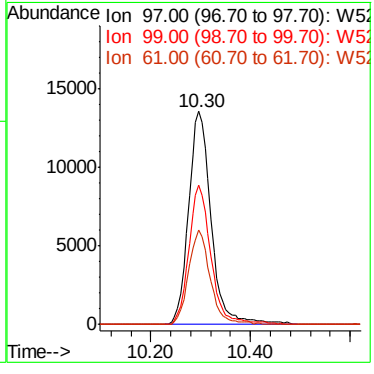


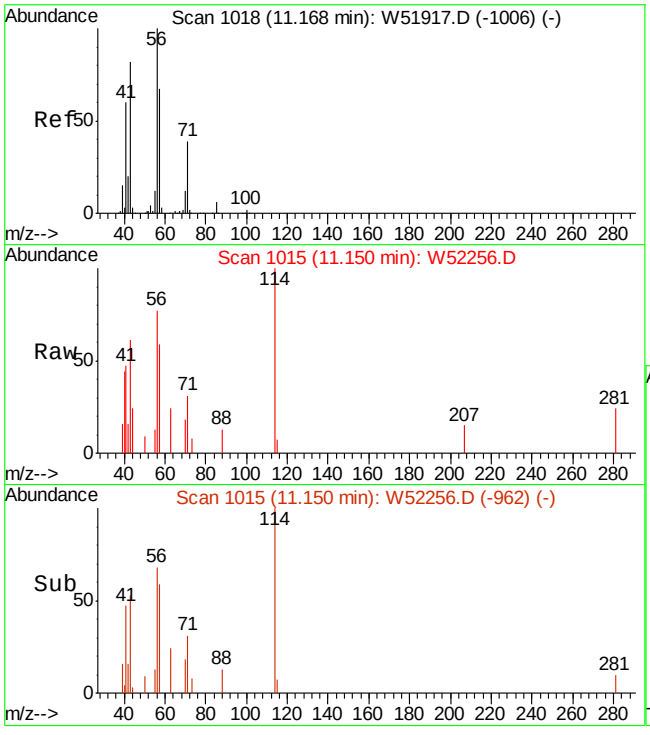


#46
1,1,1-TRICHLOROETHANE
Concen: 2.13 PPBV
RT: 10.30 min Scan# 875
Delta R.T. 0.00 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 97 Resp: 42599

Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.3	84.3
61	42.4	23.0	63.0

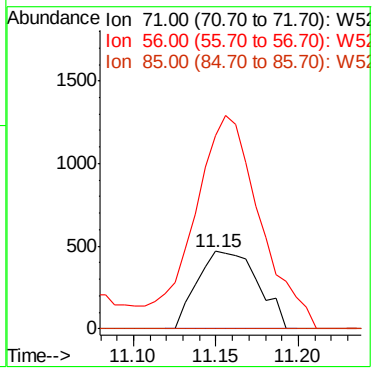


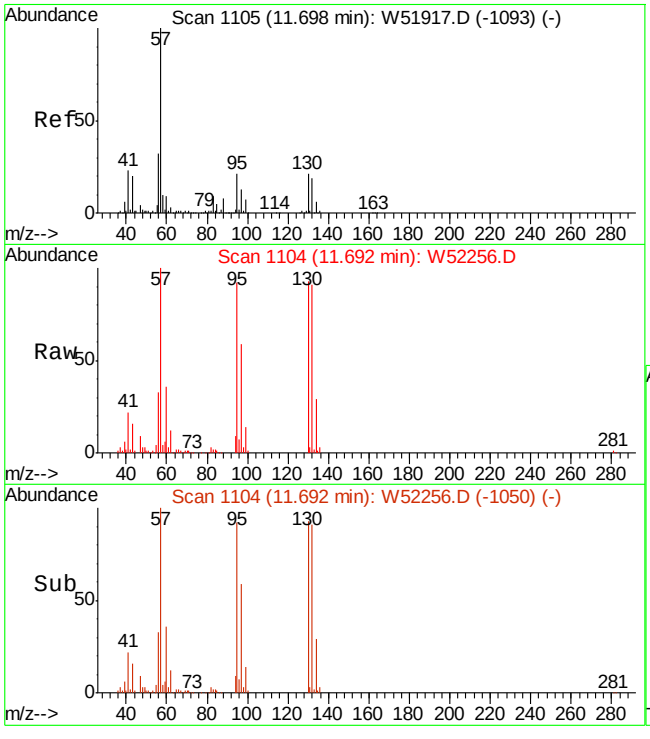


#52
2,3-DIMETHYLPENTANE
Concen: 0.17 PPBV
RT: 11.15 min Scan# 1015
Delta R.T. -0.01 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 71 Resp: 1185

Ion	Ratio	Lower	Upper
71	100		
56	300.8	194.0	291.0#
85	0.0	13.6	20.4#

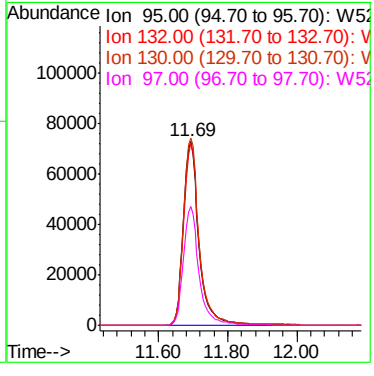


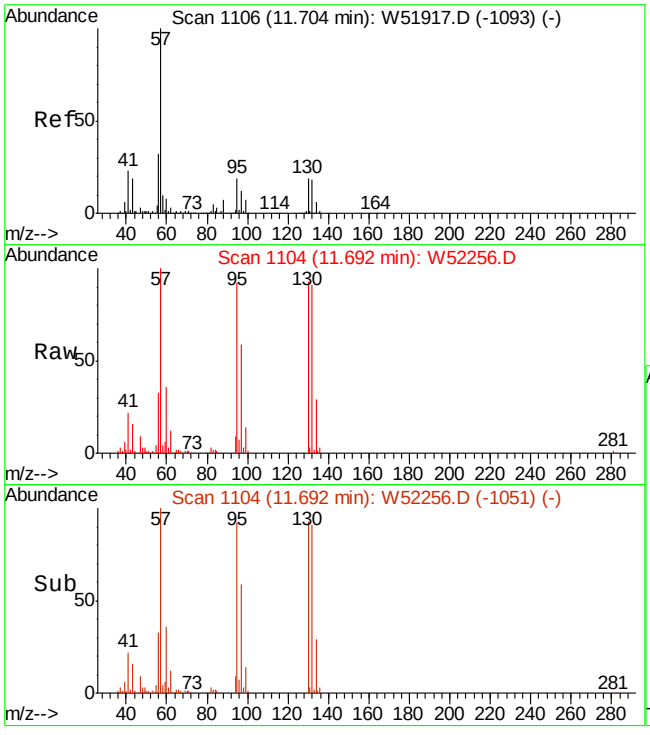


#53
TRICHLOROETHYLENE
Concen: 18.47 PPBV
RT: 11.69 min Scan# 1104
Delta R.T. 0.00 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 95 Resp: 230137

Ion	Ratio	Lower	Upper
95	100		
132	99.1	79.9	119.9
130	103.1	84.5	124.5
97	64.6	44.4	84.4

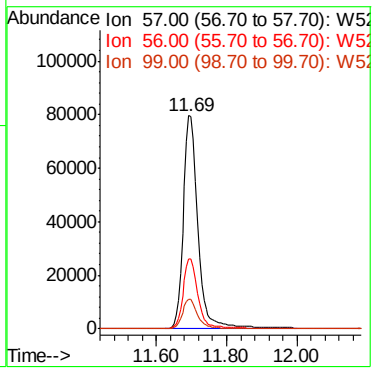


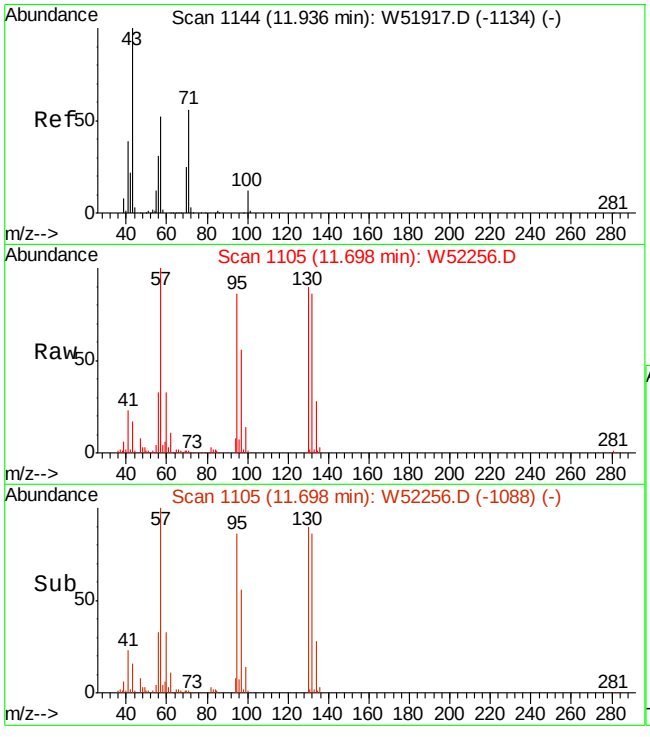


#58
2,2,4-TRIMETHYLPENTANE
Concen: 4.46 PPBV
RT: 11.69 min Scan# 1104
Delta R.T. -0.01 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 57 Resp: 232346

Ion	Ratio	Lower	Upper
57	100		
56	33.5	11.1	51.1
99	14.5	0.0	27.5

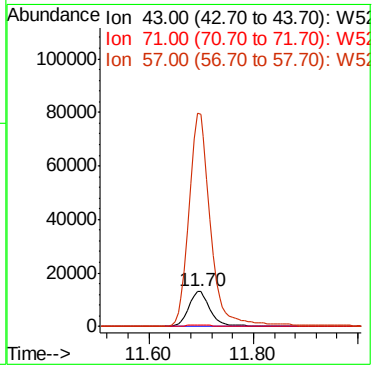


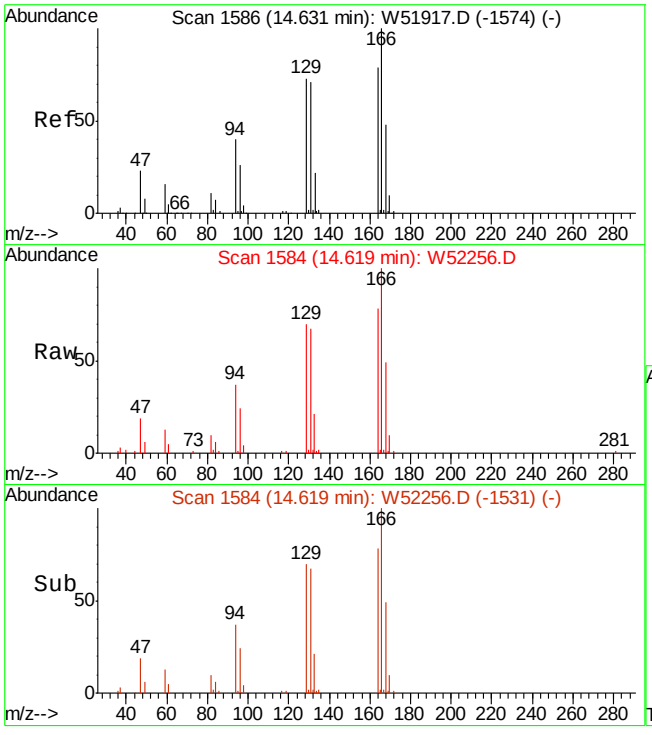


#61
HEPTANE
Concen: 2.04 PPBV
RT: 11.70 min Scan# 1105
Delta R.T. -0.23 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion: 43 Resp: 38365

Ion	Ratio	Lower	Upper
43	100		
71	4.9	41.8	81.8#
57	607.7	39.5	79.5#

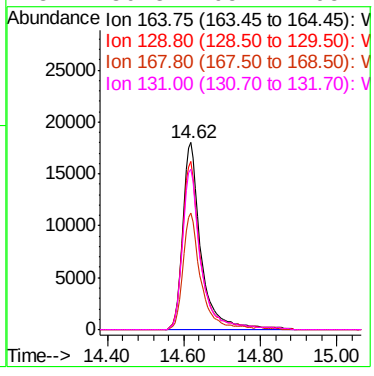




#70
TETRACHLOROETHYLENE
Concen: 4.95 PPBV
RT: 14.62 min Scan# 1584
Delta R.T. -0.01 min
Lab File: W52256.D
Acq: 30 Oct 2015 11:57 pm

Tgt Ion:164 Resp: 60536

Ion	Ratio	Lower	Upper
164	100		
129	90.2	69.3	109.3
168	61.8	41.4	81.4
131	86.8	65.4	105.4



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50821.D Vial: 5
Acq On : 4 Nov 2015 2:41 pm Operator: YOUMINH
Sample : JC7272-5 Inst : MS3W
Misc : MS93717,V3W1930,25,,,,2.73 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 16:14:23 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

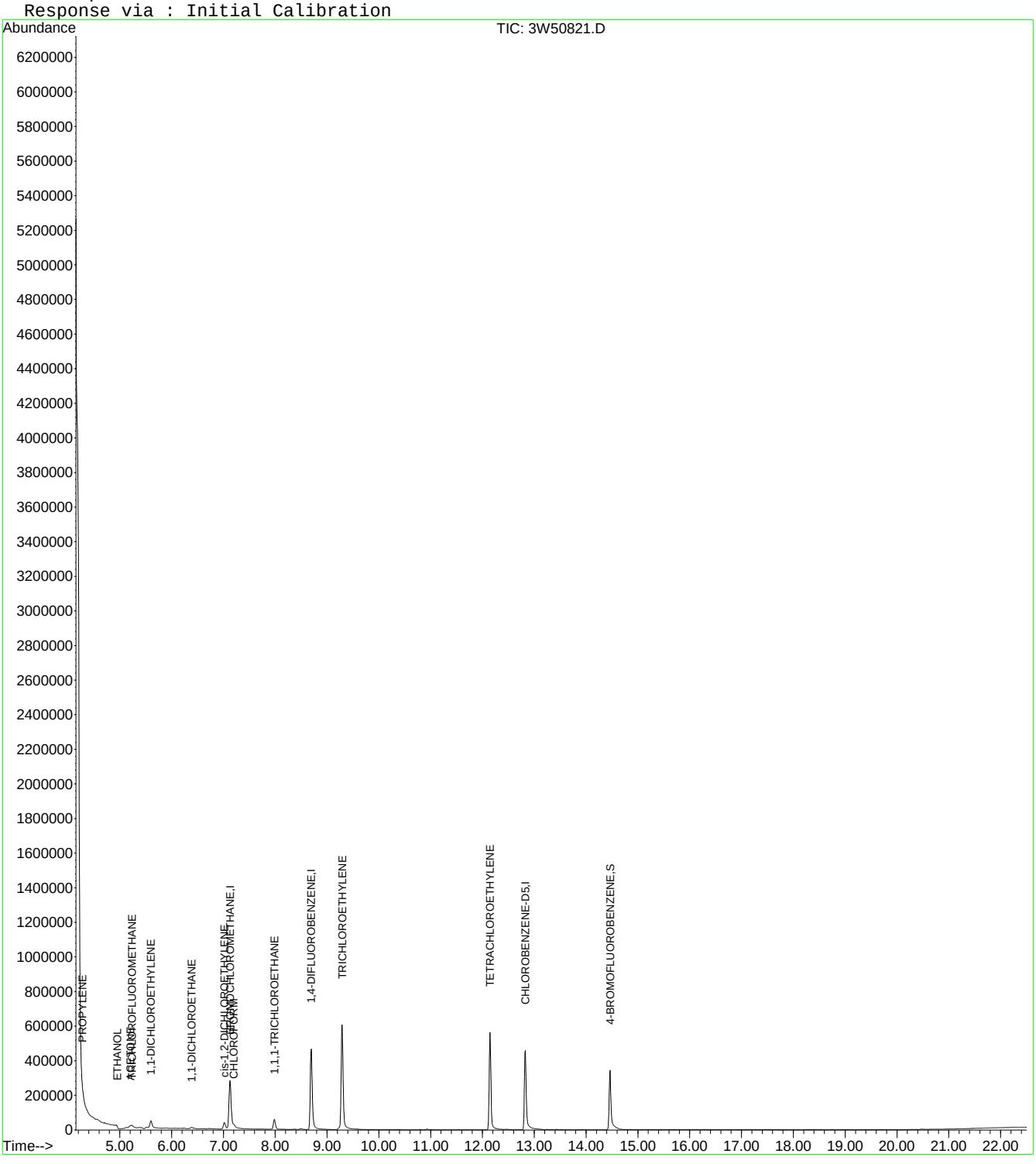
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	127208	10.00	PPBV	-0.01
52) 1,4-DIFLUOROBENZENE	8.70	114	576199	10.00	PPBV	-0.01
71) CHLOROBENZENE-D5	12.83	82	236382	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.46	95	196714	8.55	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 85.50%			
Target Compounds						Qvalue
7) PROPYLENE	4.29	41	7510	0.49	PPBV #	86
20) TRICHLOROFLUOROMETHANE	5.24	101	13464	0.33	PPBV	99
23) ACETONE	5.20	58	10221	1.14	PPBV #	78
27) 1,1-DICHLOROETHYLENE	5.60	96	24648	1.32	PPBV	97
29) ETHANOL	4.95	45	3562	0.38	PPBV #	44
41) 1,1-DICHLOROETHANE	6.39	63	7484	0.20	PPBV	98
43) cis-1,2-DICHLOROETHYLENE	7.02	96	28532	1.58	PPBV	96
47) CHLOROFORM	7.21	83	12334	0.34	PPBV #	75
49) 1,1,1-TRICHLOROETHANE	7.98	97	53288	1.49	PPBV	98
56) TRICHLOROETHYLENE	9.29	95	320312	14.96	PPBV	99
74) TETRACHLOROETHYLENE	12.15	164	192590	9.69	PPBV	100

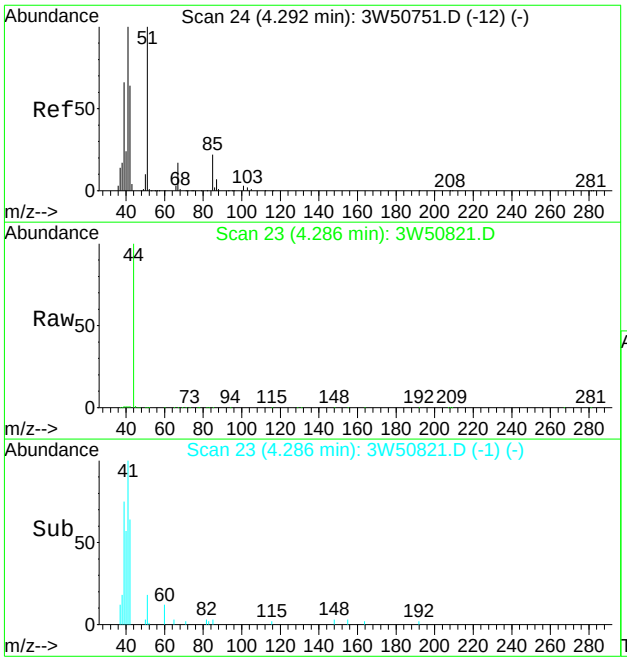
(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50821.D M3W1928.M Wed Nov 04 16:24:01 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50821.D Vial: 5
Acq On : 4 Nov 2015 2:41 pm Operator: YOUMINH
Sample : JC7272-5 Inst : MS3W
Misc : MS93717,V3W1930,25,,,,2.73 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:23 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

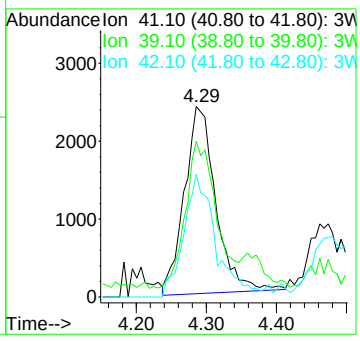


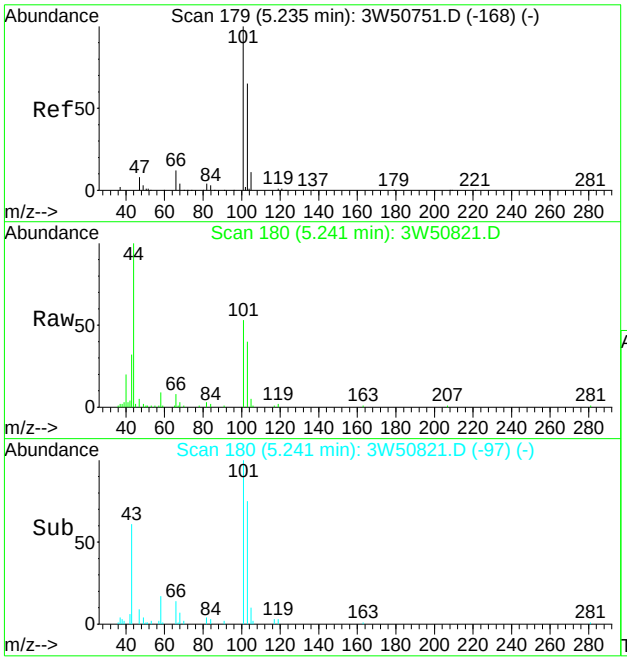


#7
PROPYLENE
Concen: 0.49 PPBV
RT: 4.29 min Scan# 23
Delta R.T. -0.01 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion: 41 Resp: 7510

Ion	Ratio	Lower	Upper
41	100		
39	89.6	48.4	88.4#
42	67.7	45.9	85.9

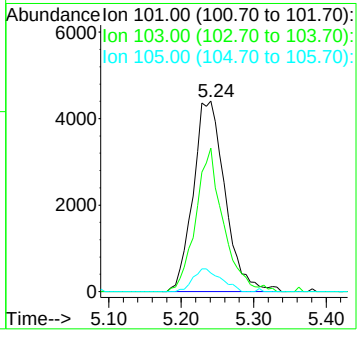


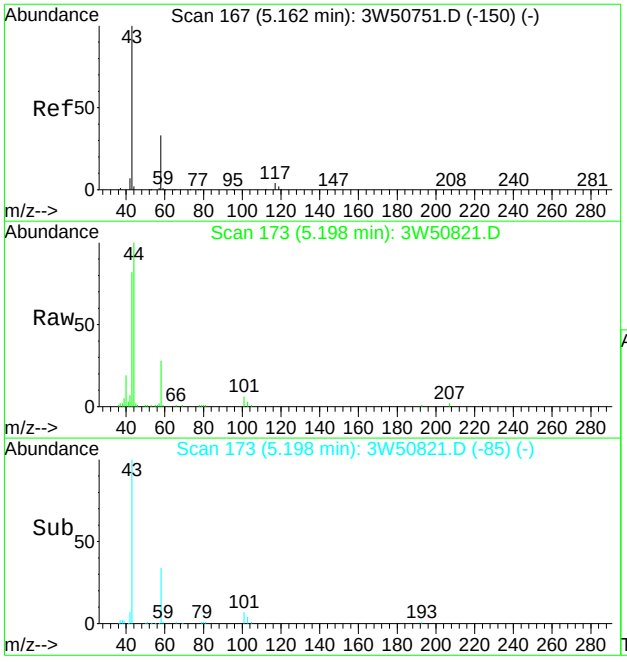


#20
TRICHLOROFLUOROMETHANE
Concen: 0.33 PPBV
RT: 5.24 min Scan# 180
Delta R.T. 0.01 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion:101 Resp: 13464

Ion	Ratio	Lower	Upper
101	100		
103	65.2	44.1	84.1
105	10.5	0.0	30.8

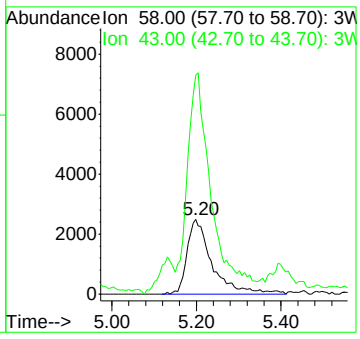


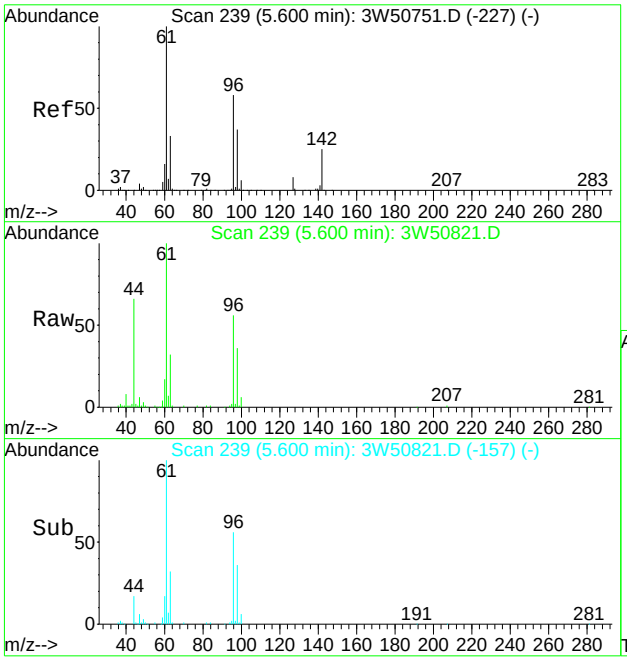


#23
ACETONE
Concen: 1.14 PPBV
RT: 5.20 min Scan# 173
Delta R.T. 0.04 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion: 58 Resp: 10221

Ion	Ratio	Lower	Upper
58	100		
43	255.5	278.7	318.7#

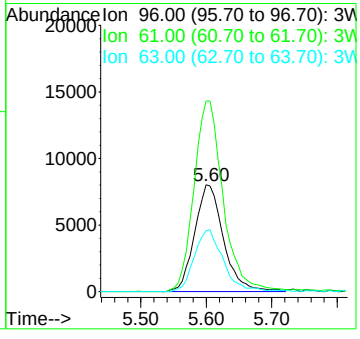


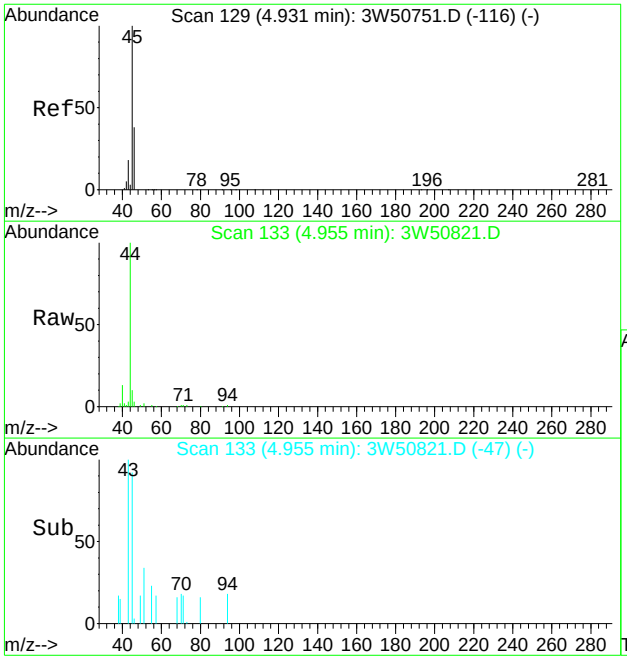


#27
1,1-DICHLOROETHYLENE
Concen: 1.32 PPBV
RT: 5.60 min Scan# 239
Delta R.T. -0.00 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion: 96 Resp: 24648

Ion	Ratio	Lower	Upper
96	100		
61	181.8	157.3	197.3
63	58.0	37.7	77.7

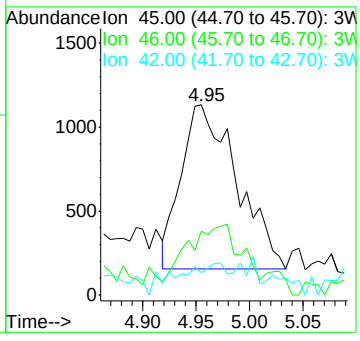


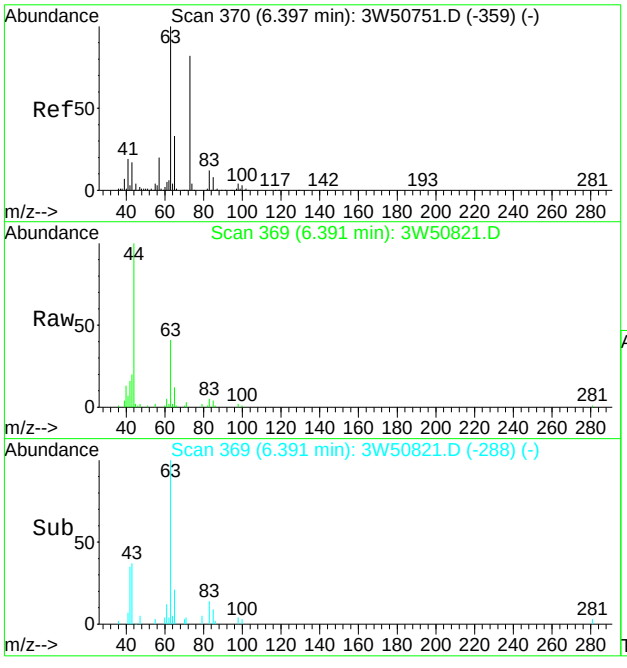


#29
ETHANOL
Concen: 0.38 PPBV
RT: 4.95 min Scan# 133
Delta R.T. 0.02 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion: 45 Resp: 3562

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.5	56.5#
42	0.0	0.0	25.6

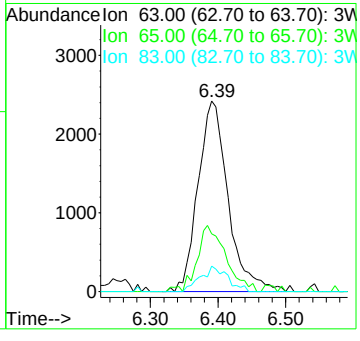


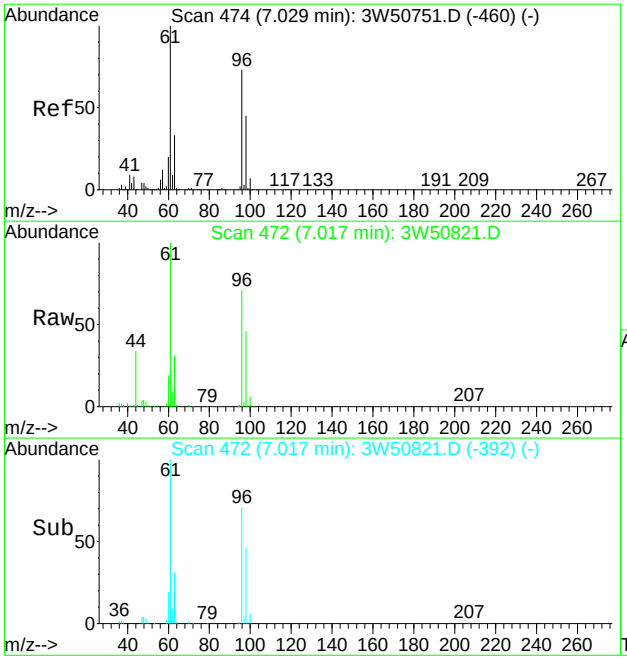


#41
1,1-DICHLOROETHANE
Concen: 0.20 PPBV
RT: 6.39 min Scan# 369
Delta R.T. -0.01 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion: 63 Resp: 7484

Ion	Ratio	Lower	Upper
63	100		
65	33.0	11.3	51.3
83	11.9	0.0	31.8

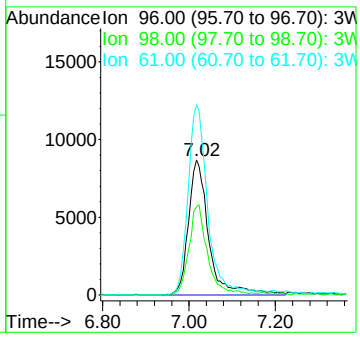


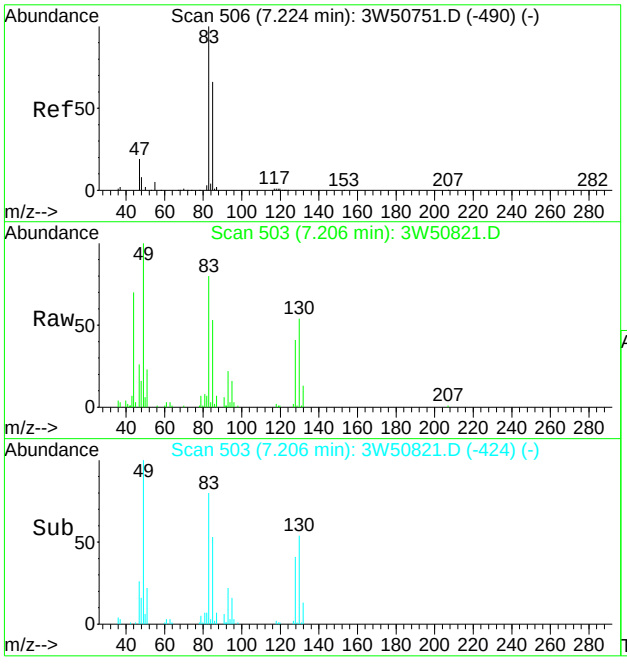


#43
cis-1,2-DICHLOROETHYLENE
Concen: 1.58 PPBV
RT: 7.02 min Scan# 472
Delta R.T. -0.01 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion: 96 Resp: 28532

Ion	Ratio	Lower	Upper
96	100		
98	62.1	42.1	82.1
61	140.6	113.2	153.2

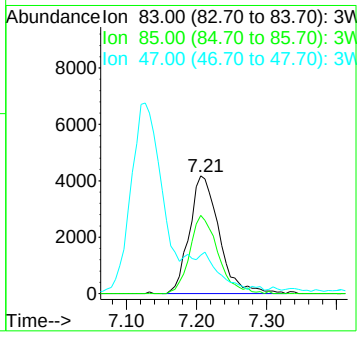


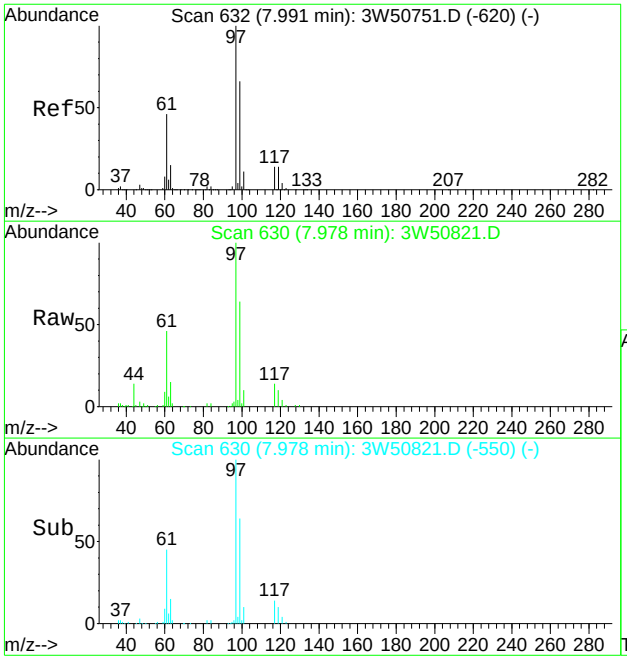


#47
CHLOROFORM
Concen: 0.34 PPBV
RT: 7.21 min Scan# 503
Delta R.T. -0.02 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion: 83 Resp: 12334

Ion	Ratio	Lower	Upper
83	100		
85	62.9	58.1	98.1
47	0.0	3.5	43.5#

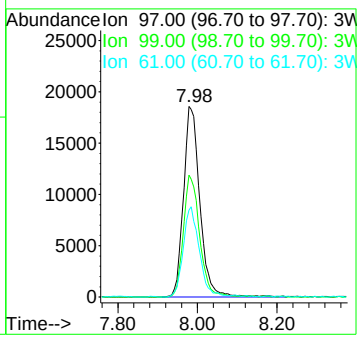


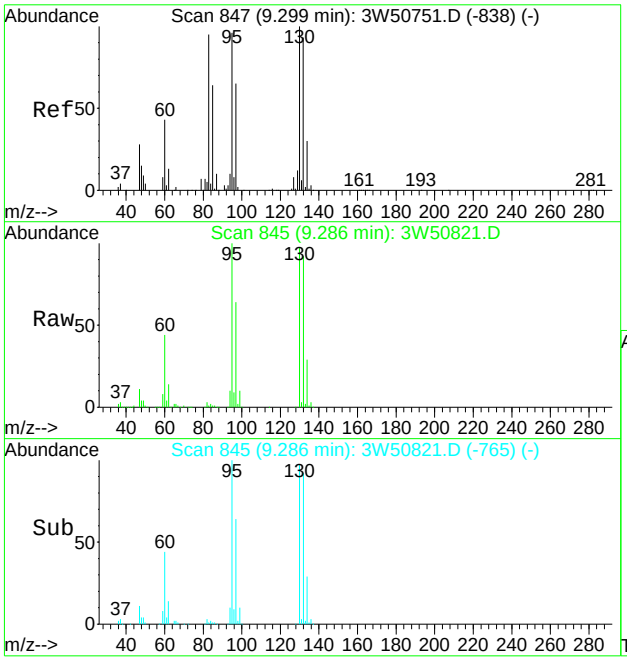


#49
1,1,1-TRICHLOROETHANE
Concen: 1.49 PPBV
RT: 7.98 min Scan# 630
Delta R.T. -0.01 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion: 97 Resp: 53288

Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.8	84.8
61	46.7	25.2	65.2

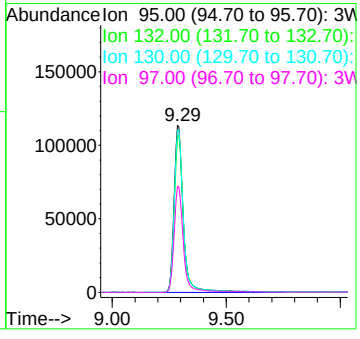


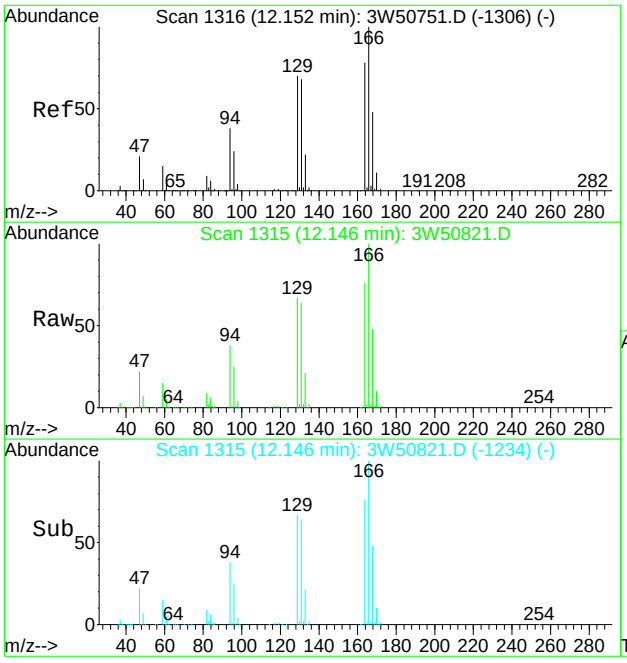


#56
TRICHLOROETHYLENE
Concen: 14.96 PPBV
RT: 9.29 min Scan# 845
Delta R.T. -0.01 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion: 95 Resp: 320312

Ion	Ratio	Lower	Upper
95	100		
132	93.9	74.1	114.1
130	97.3	79.5	119.5
97	63.6	43.8	83.8

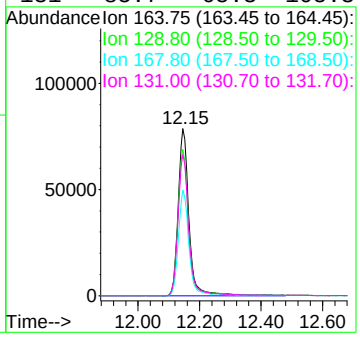




#74
TETRACHLOROETHYLENE
Concen: 9.69 PPBV
RT: 12.15 min Scan# 1315
Delta R.T. -0.01 min
Lab File: 3W50821.D
Acq: 4 Nov 2015 2:41 pm

Tgt Ion:164 Resp: 192590

Ion	Ratio	Lower	Upper
164	100		
129	88.3	67.6	107.6
168	61.8	41.9	81.9
131	85.7	65.3	105.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52233.D Vial: 8
Acq On : 30 Oct 2015 4:28 am Operator: youminh
Sample : JC7272-5 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:05:52 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

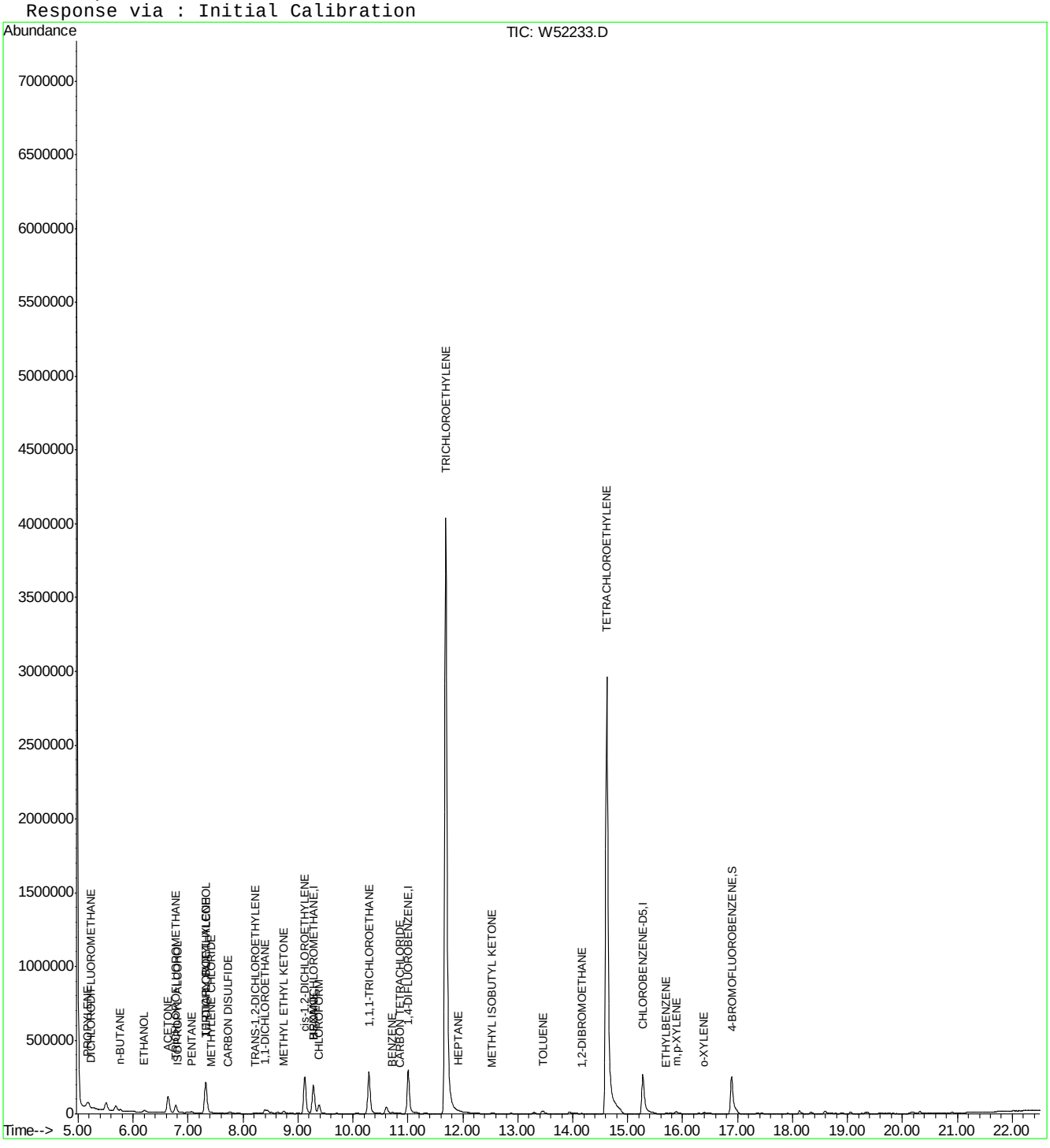
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	91410	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.00	114	425064	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	187816	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	193404	9.42	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 94.20%			
Target Compounds						Qvalue
5) DICHLORODIFLUOROMETHANE	5.24	85	5129	0.17	PPBV	97
6) PROPYLENE	5.17	41	37610	3.25	PPBV	93
12) n-BUTANE	5.77	58	2474	0.83	PPBV #	92
17) TRICHLOROFLUOROMETHANE	6.78	101	69619	2.56	PPBV	100
18) ISOPROPYL ALCOHOL	6.82	45	7936	0.32	PPBV #	51
19) ACETONE	6.63	58	76985	11.42	PPBV	98
22) PENTANE	7.06	57	1381	0.37	PPBV #	86
24) 1,1-DICHLOROETHYLENE	7.32	96	151376	11.40	PPBV	99
25) CARBON DISULFIDE	7.72	76	9705	0.26	PPBV #	59
26) ETHANOL	6.21	45	25282	4.39	PPBV	96
29) METHYLENE CHLORIDE	7.41	84	3679	0.32	PPBV	98
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	5047	0.39	PPBV	92
33) TERTIARY BUTYL ALCOHOL	7.33	59	15796	0.60	PPBV #	86
36) HEXANE	9.28	57	5089	0.23	PPBV	90
38) 1,1-DICHLOROETHANE	8.39	63	43013	1.91	PPBV	99
39) METHYL ETHYL KETONE	8.74	72	10368	1.73	PPBV #	92
40) cis-1,2-DICHLOROETHYLENE	9.13	96	200235	14.71	PPBV	99
44) CHLOROFORM	9.38	83	71383	3.03	PPBV	99
46) 1,1,1-TRICHLOROETHANE	10.29	97	296085	12.75	PPBV	100
47) CARBON TETRACHLORIDE	10.86	117	2412	0.10	PPBV	97
50) BENZENE	10.72	78	7755	0.21	PPBV	99
53) TRICHLOROETHYLENE	11.69	95	2367740	163.47	PPBV	99
61) HEPTANE	11.92	43	2247	0.10	PPBV #	43
62) METHYL ISOBUTYL KETONE	12.53	43	9530	0.40	PPBV	88
64) TOLUENE	13.47	92	7538	0.31	PPBV	94
70) TETRACHLOROETHYLENE	14.62	164	1431586	101.43	PPBV	98
72) 1,2-DIBROMOETHANE	14.16	107	2813	0.17	PPBV #	99
76) ETHYLBENZENE	15.70	91	7928	0.17	PPBV	93
77) m,p-XYLENE	15.89	106	11479	0.61	PPBV	92
78) o-XYLENE	16.40	106	4201	0.25	PPBV	92

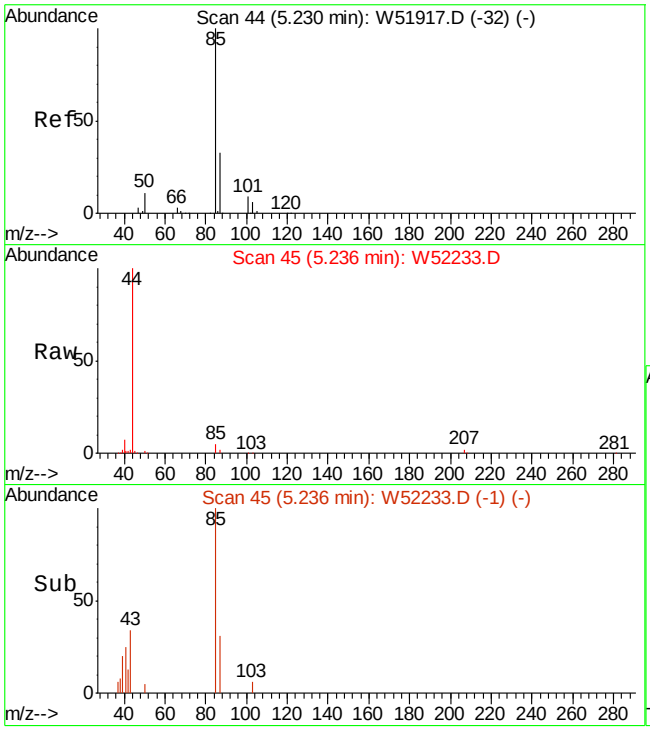
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52233.D Vial: 8
Acq On : 30 Oct 2015 4:28 am Operator: youminh
Sample : JC7272-5 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:57 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

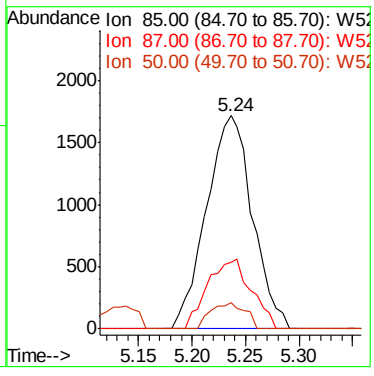


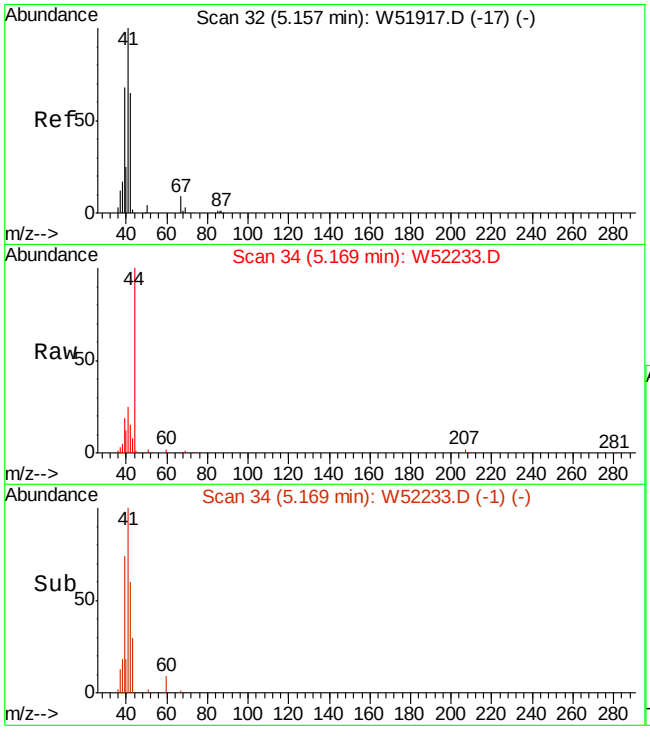


#5
DICHLORODIFLUOROMETHANE
Concen: 0.17 PPBV
RT: 5.24 min Scan# 45
Delta R.T. -0.00 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 85 Resp: 5129

Ion	Ratio	Lower	Upper
85	100		
87	31.0	12.4	52.4
50	9.1	0.0	30.9

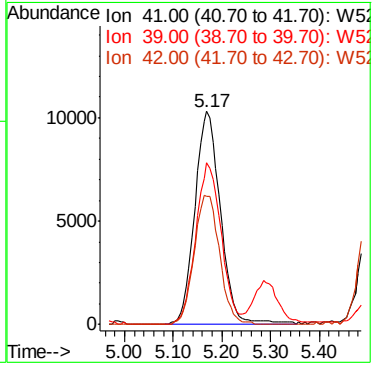


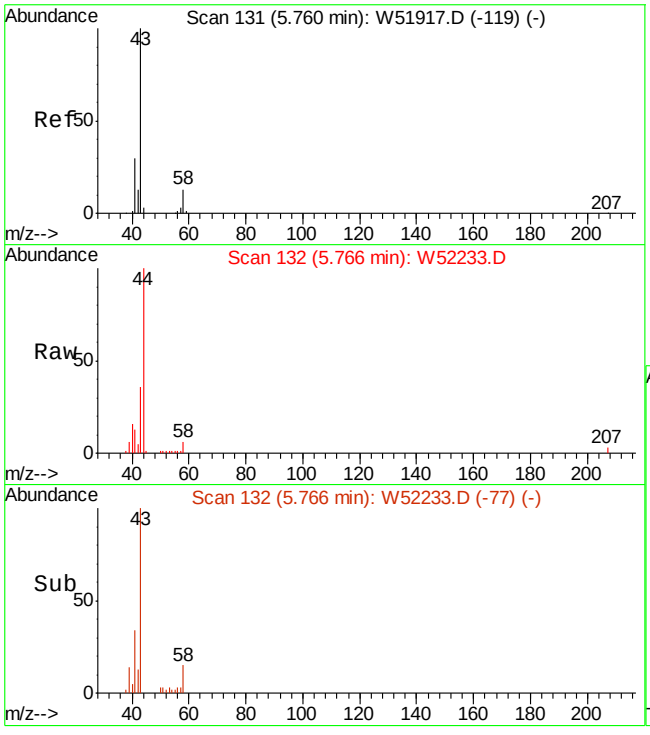


#6
PROPYLENE
Concen: 3.25 PPBV
RT: 5.17 min Scan# 34
Delta R.T. -0.00 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 41 Resp: 37610

Ion	Ratio	Lower	Upper
41	100		
39	75.8	49.2	89.2
42	60.1	44.6	84.6

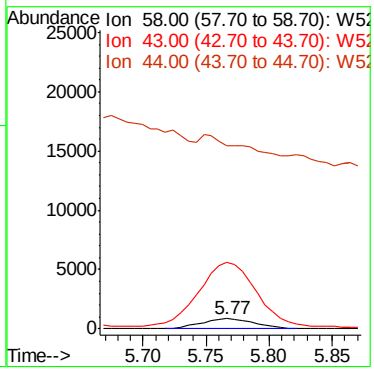


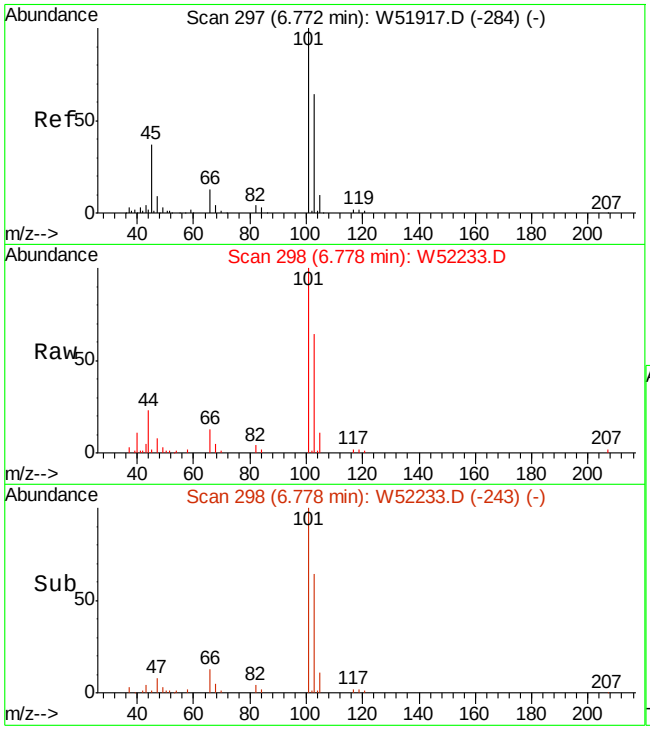


#12
n-BUTANE
Concen: 0.83 PPBV
RT: 5.77 min Scan# 132
Delta R.T. 0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 58 Resp: 2474

Ion	Ratio	Lower	Upper
58	100		
43	697.3	577.4	866.0
44	0.0	20.6	30.8#

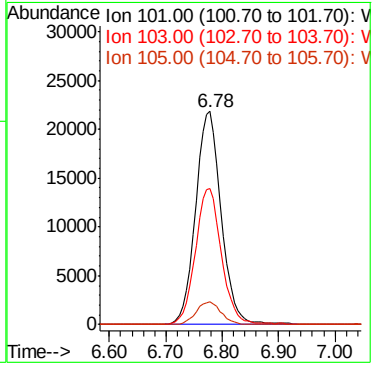


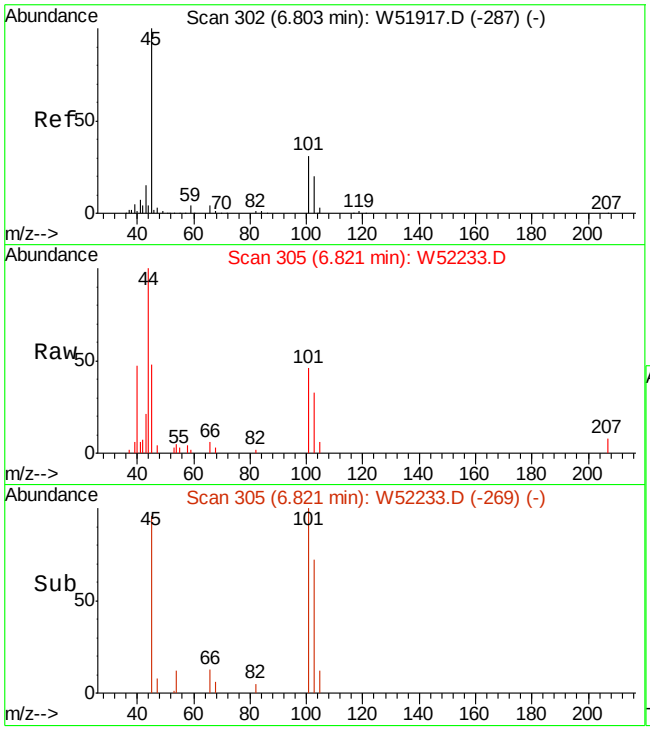


#17
TRICHLOROFLUOROMETHANE
Concen: 2.56 PPBV
RT: 6.78 min Scan# 298
Delta R.T. 0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion:101 Resp: 69619

Ion	Ratio	Lower	Upper
101	100		
103	64.6	44.7	84.7
105	10.2	0.0	30.4

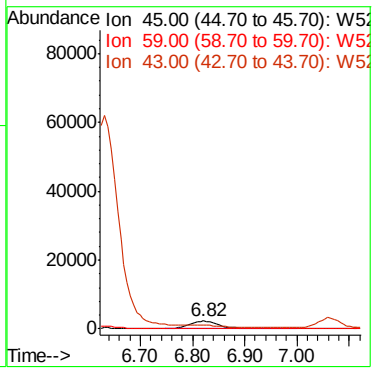


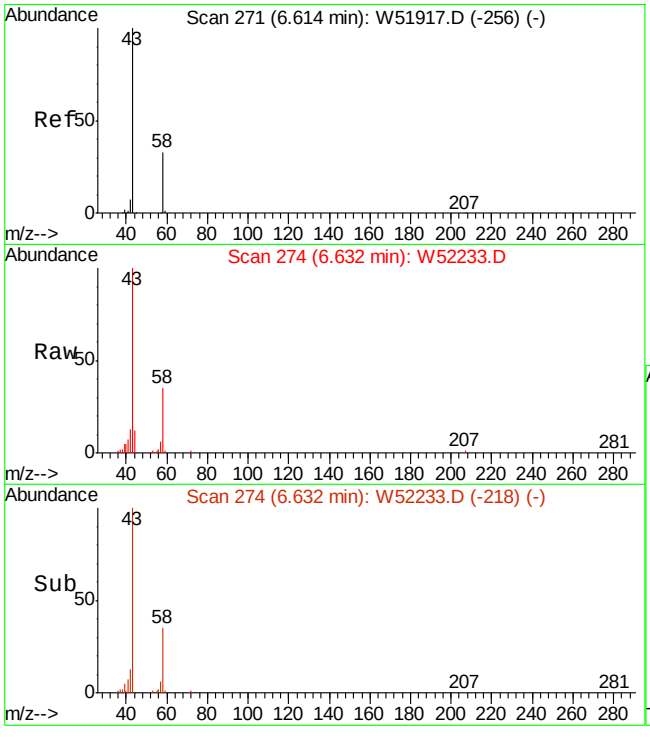


#18
ISOPROPYL ALCOHOL
Concen: 0.32 PPBV
RT: 6.82 min Scan# 305
Delta R.T. 0.02 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 45 Resp: 7936

Ion	Ratio	Lower	Upper
45	100		
59	4.5	0.0	24.3
43	43.8	0.0	37.4#

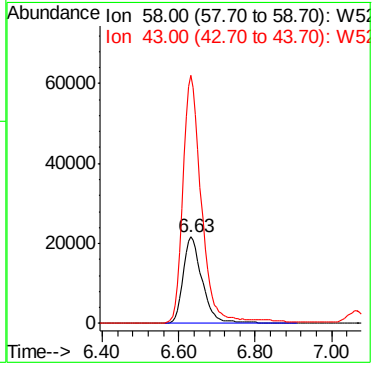


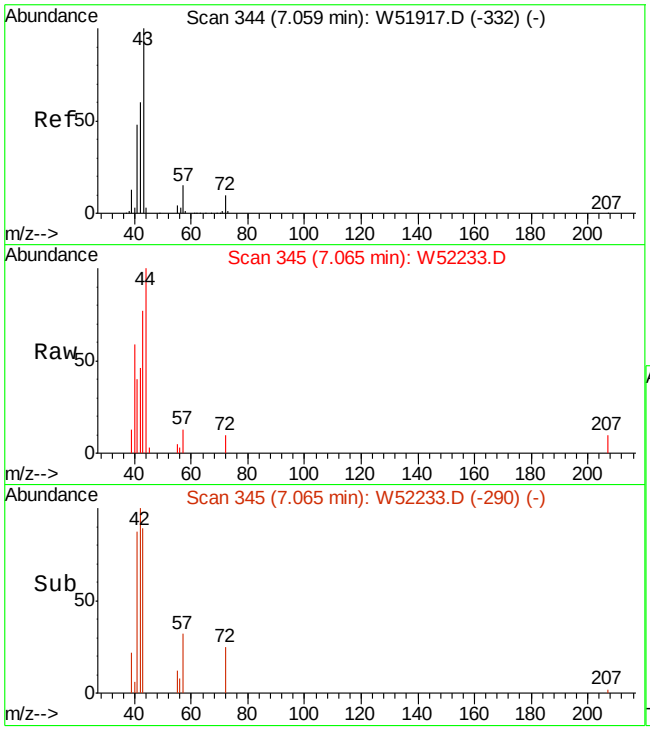


#19
ACETONE
Concen: 11.42 PPBV
RT: 6.63 min Scan# 274
Delta R.T. 0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 58 Resp: 76985

Ion	Ratio	Lower	Upper
58	100		
43	279.3	254.7	294.7

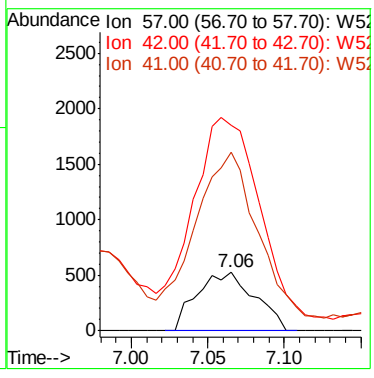


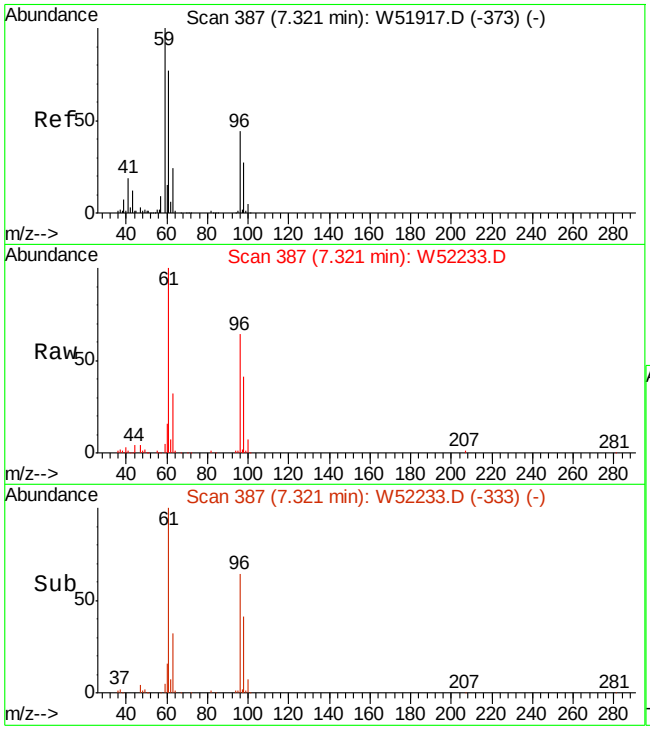


#22
PENTANE
Concen: 0.37 PPBV
RT: 7.06 min Scan# 345
Delta R.T. 0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 57 Resp: 1381

Ion	Ratio	Lower	Upper
57	100		
42	417.3	366.1	406.1#
41	334.9	286.4	326.4#

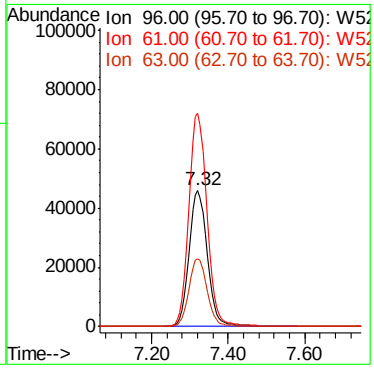


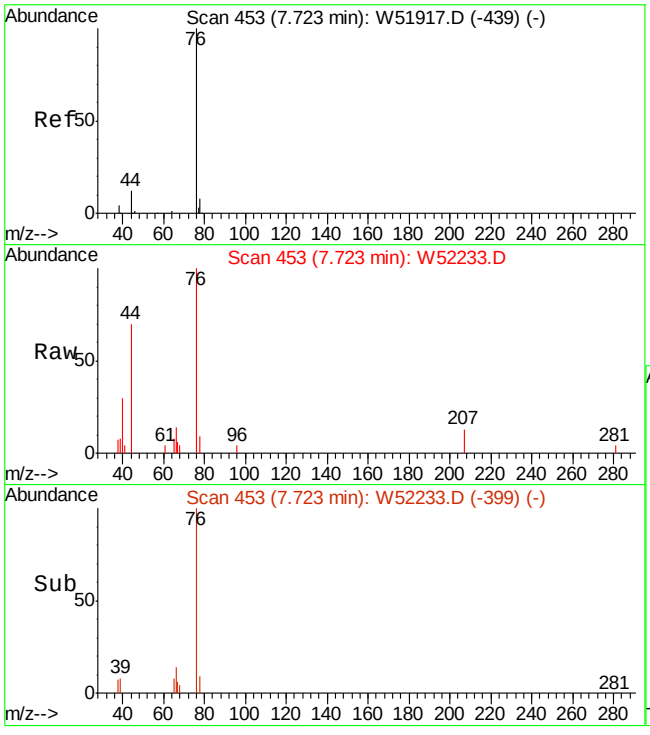


#24
1,1-DICHLOROETHYLENE
Concen: 11.40 PPBV
RT: 7.32 min Scan# 387
Delta R.T. -0.00 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 96 Resp: 151376

Ion	Ratio	Lower	Upper
96	100		
61	156.2	137.8	177.8
63	50.0	30.5	70.5

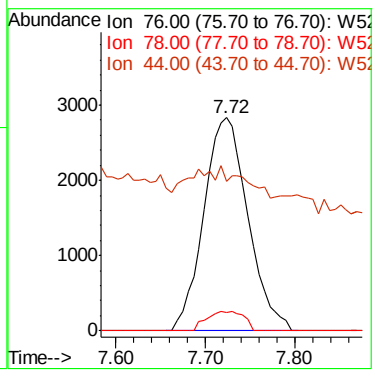


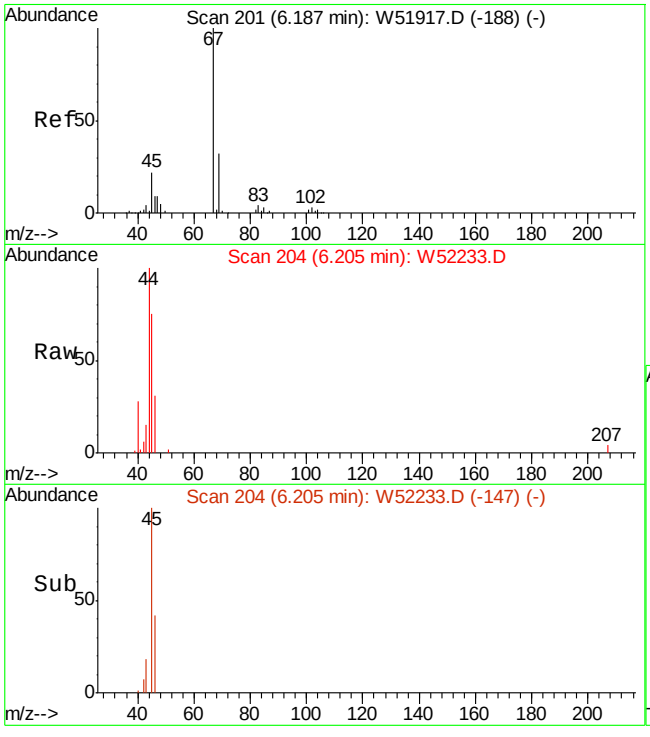


#25
CARBON DISULFIDE
Concen: 0.26 PPBV
RT: 7.72 min Scan# 453
Delta R.T. -0.00 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 76 Resp: 9705

Ion	Ratio	Lower	Upper
76	100		
78	7.6	0.0	29.1
44	38.3	0.0	31.0#

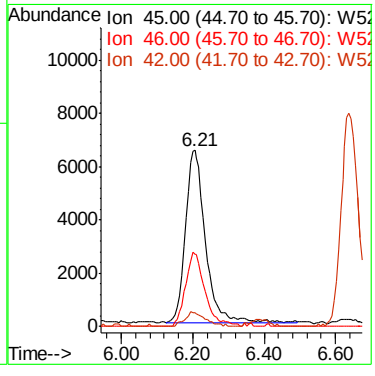


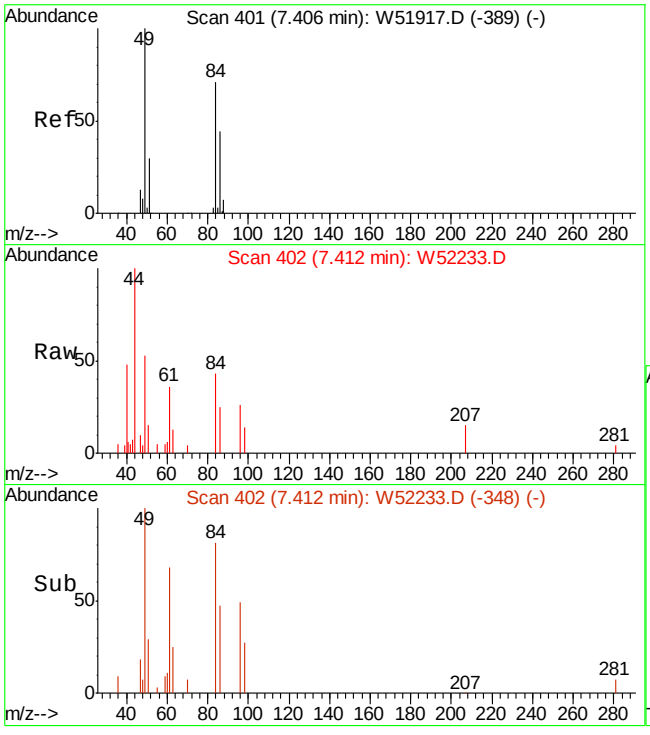


#26
ETHANOL
Concen: 4.39 PPBV
RT: 6.21 min Scan# 204
Delta R.T. 0.02 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 45 Resp: 25282

Ion	Ratio	Lower	Upper
45	100		
46	42.4	19.6	59.6
42	8.9	0.0	28.5

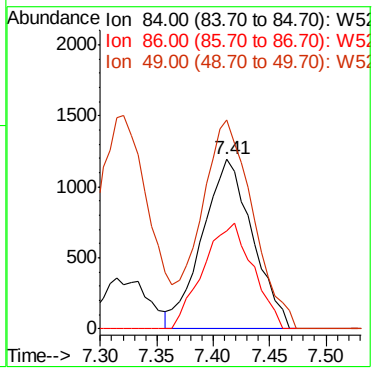


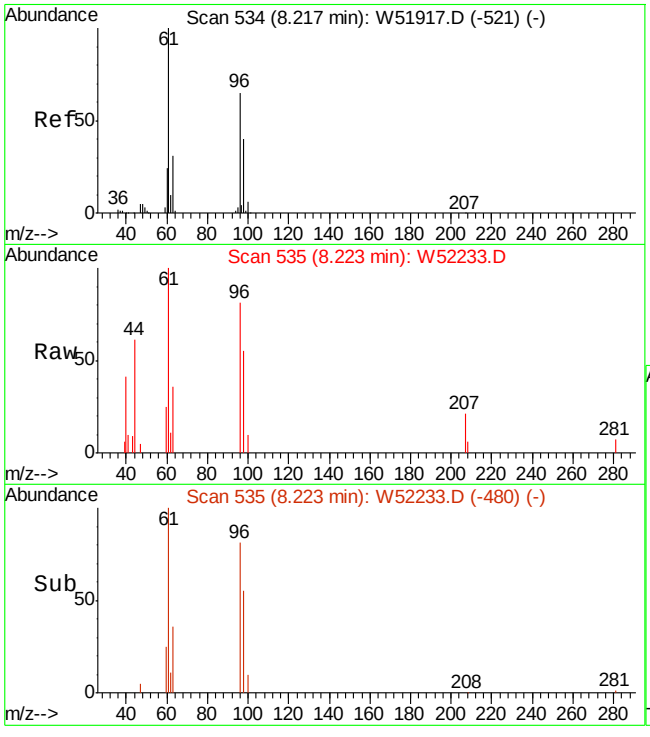


#29
METHYLENE CHLORIDE
Concen: 0.32 PPBV
RT: 7.41 min Scan# 402
Delta R.T. -0.00 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 84 Resp: 3679

Ion	Ratio	Lower	Upper
84	100		
86	62.2	43.4	83.4
49	128.3	0.0	325.0

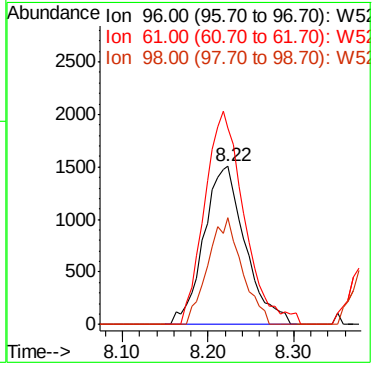


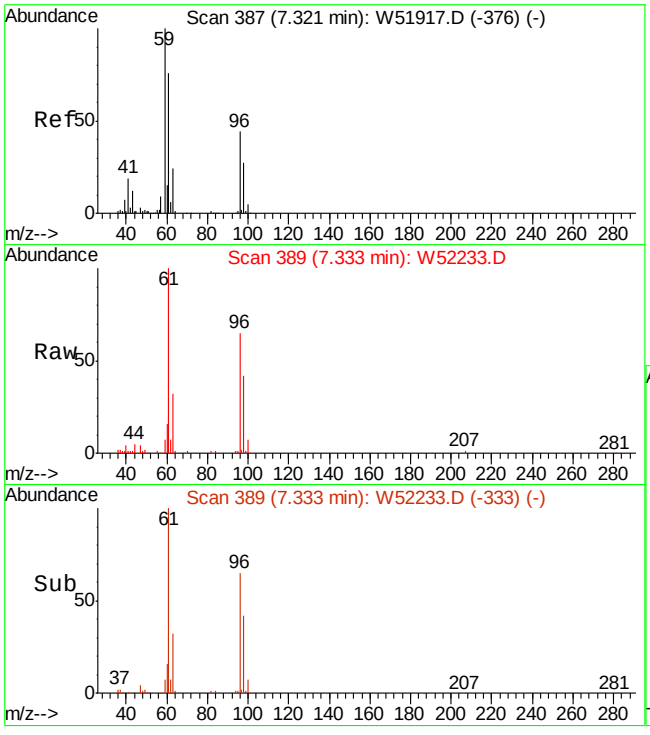


#32
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.39 PPBV
RT: 8.22 min Scan# 535
Delta R.T. 0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 96 Resp: 5047

Ion	Ratio	Lower	Upper
96	100		
61	129.3	118.7	158.7
98	55.7	42.1	82.1

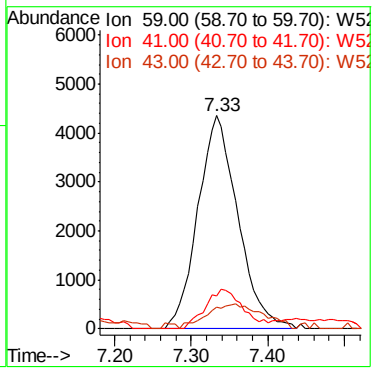


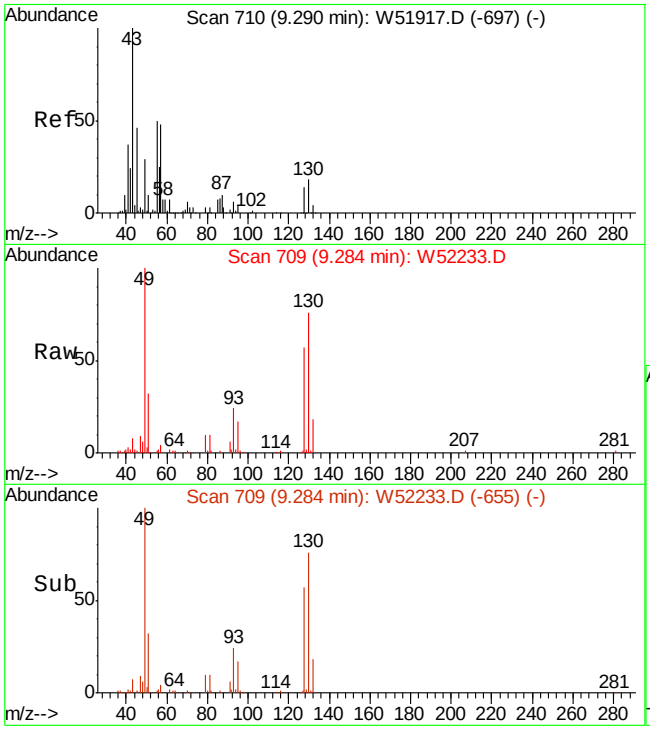


#33
TERTIARY BUTYL ALCOHOL
Concen: 0.60 PPBV
RT: 7.33 min Scan# 389
Delta R.T. 0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 59 Resp: 15796

Ion	Ratio	Lower	Upper
59	100		
41	17.8	0.0	39.0
43	0.0	0.0	32.1

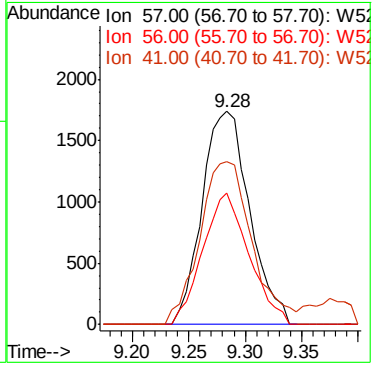


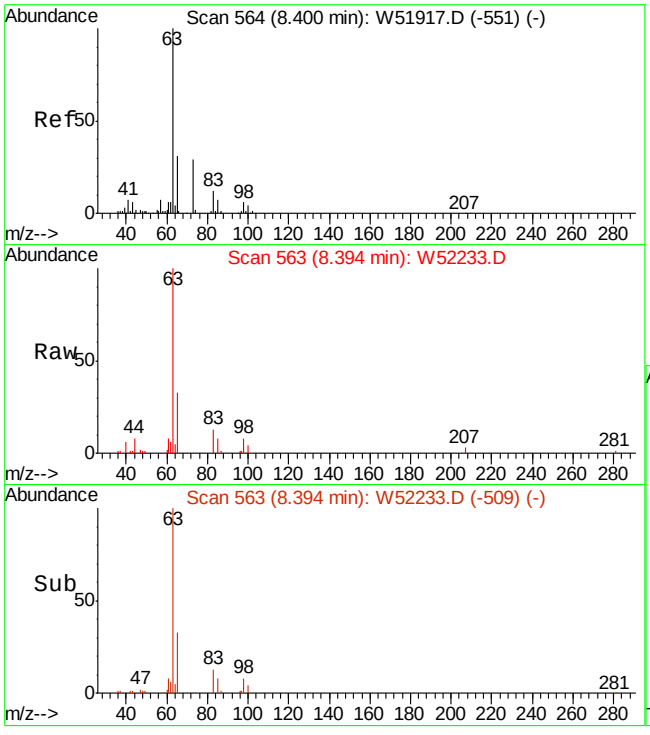


#36
HEXANE
Concen: 0.23 PPBV
RT: 9.28 min Scan# 709
Delta R.T. -0.00 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 57 Resp: 5089

Ion	Ratio	Lower	Upper
57	100		
56	59.9	31.5	71.5
41	84.1	73.1	113.1

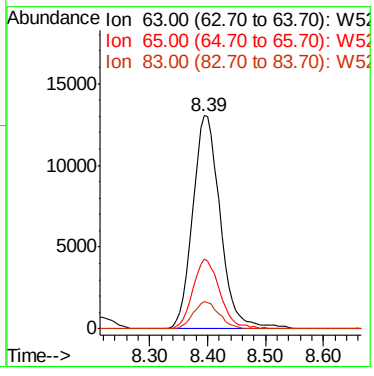


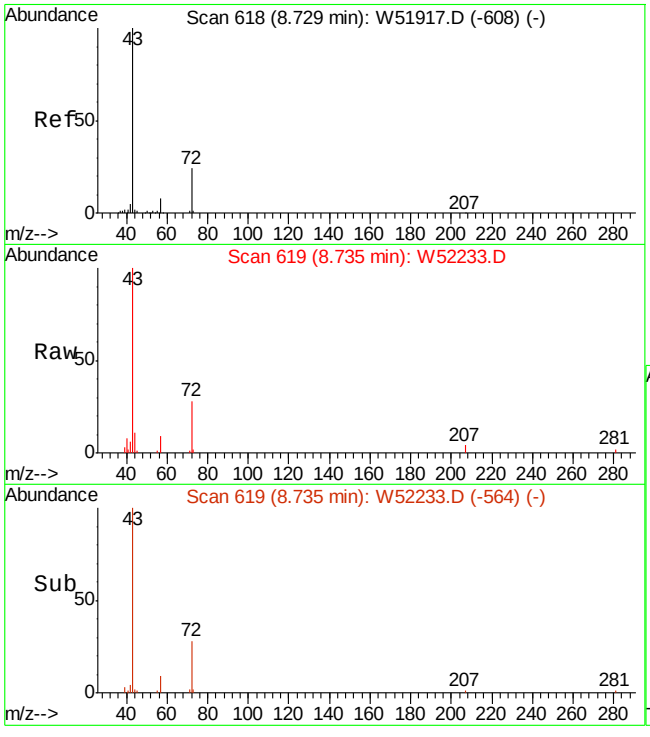


#38
1,1-DICHLOROETHANE
Concen: 1.91 PPBV
RT: 8.39 min Scan# 563
Delta R.T. -0.00 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 63 Resp: 43013

Ion	Ratio	Lower	Upper
63	100		
65	32.0	11.2	51.2
83	12.0	0.0	32.3

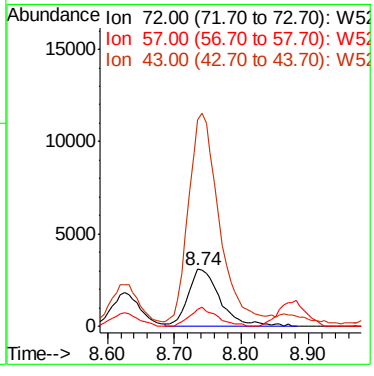


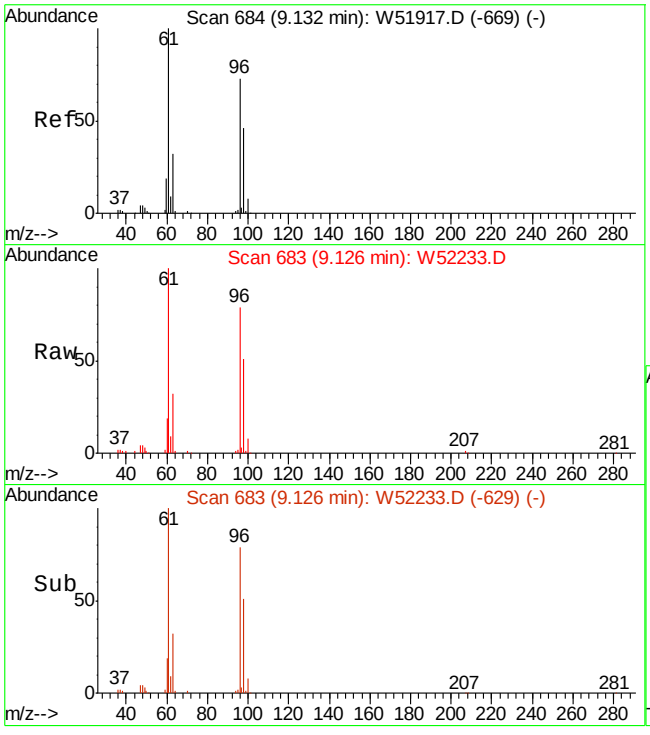


#39
METHYL ETHYL KETONE
Concen: 1.73 PPBV
RT: 8.74 min Scan# 619
Delta R.T. 0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 72 Resp: 10368

Ion	Ratio	Lower	Upper
72	100		
57	31.1	10.6	50.6
43	362.6	362.9	402.9#

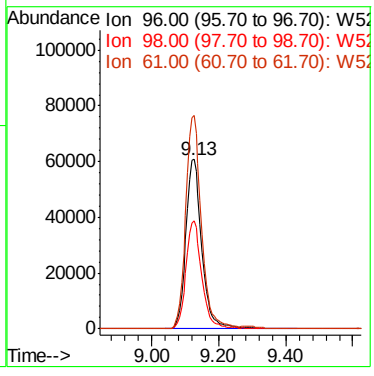


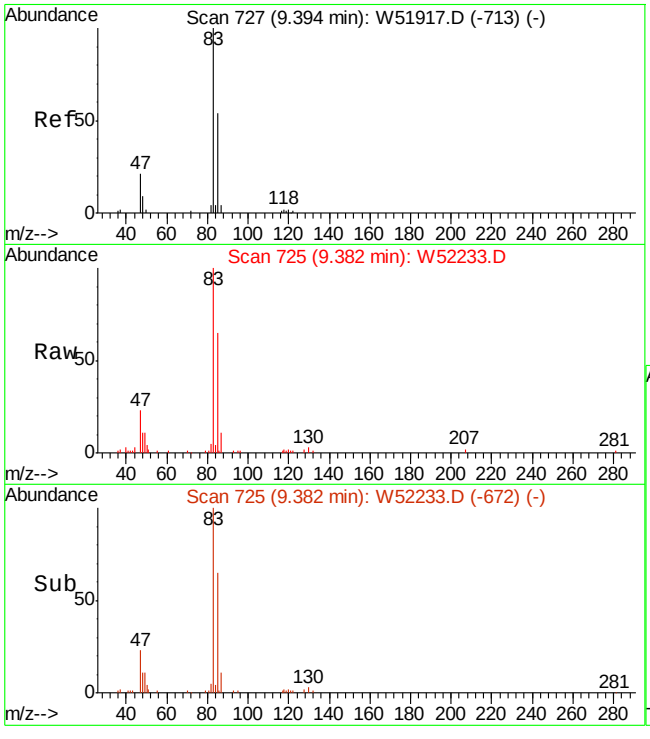


#40
cis-1,2-DICHLOROETHYLENE
Concen: 14.71 PPBV
RT: 9.13 min Scan# 683
Delta R.T. -0.00 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 96 Resp: 200235

Ion	Ratio	Lower	Upper
96	100		
98	63.4	42.3	82.3
61	125.3	104.5	144.5

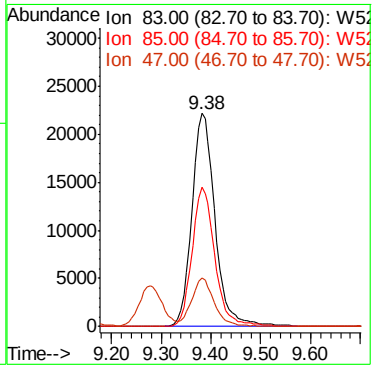


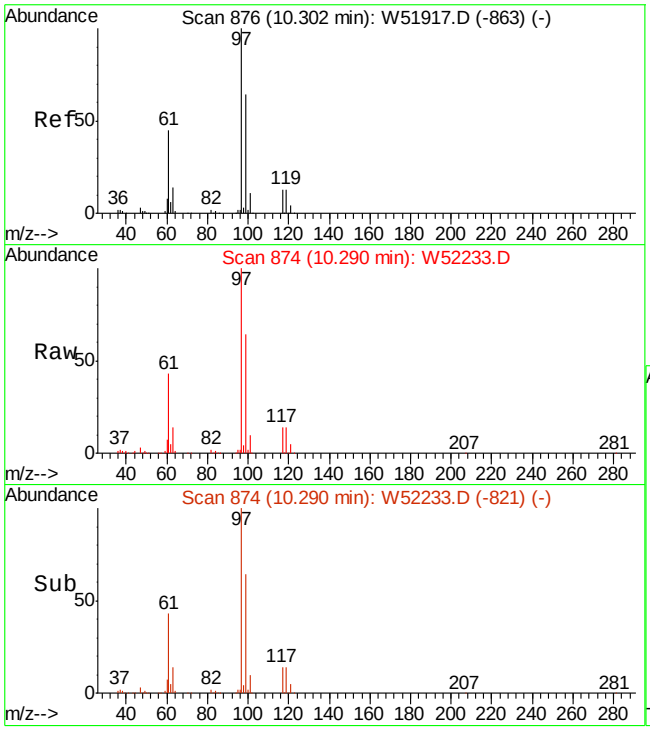


#44
CHLOROFORM
Concen: 3.03 PPBV
RT: 9.38 min Scan# 725
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 83 Resp: 71383

Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.9	85.9
47	22.3	2.3	42.3

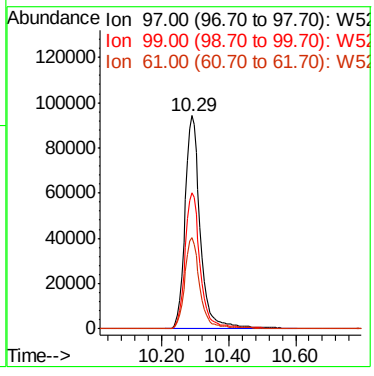


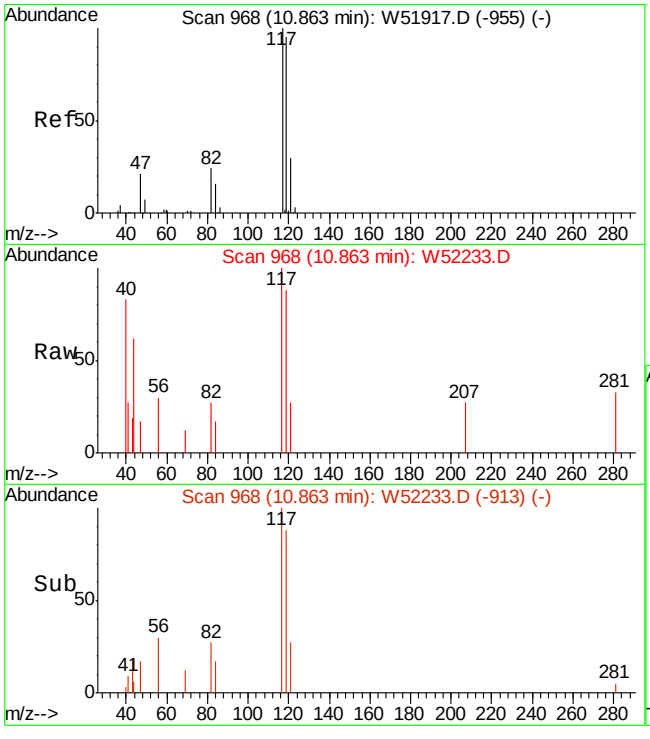


#46
1,1,1-TRICHLOROETHANE
Concen: 12.75 PPBV
RT: 10.29 min Scan# 874
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 97 Resp: 296085

Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.3	84.3
61	42.9	23.0	63.0

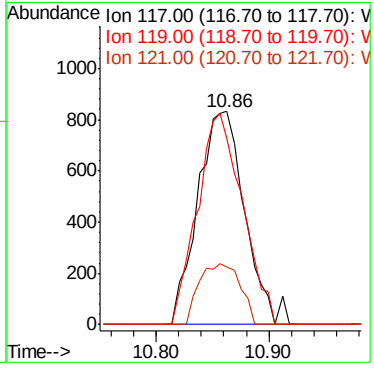


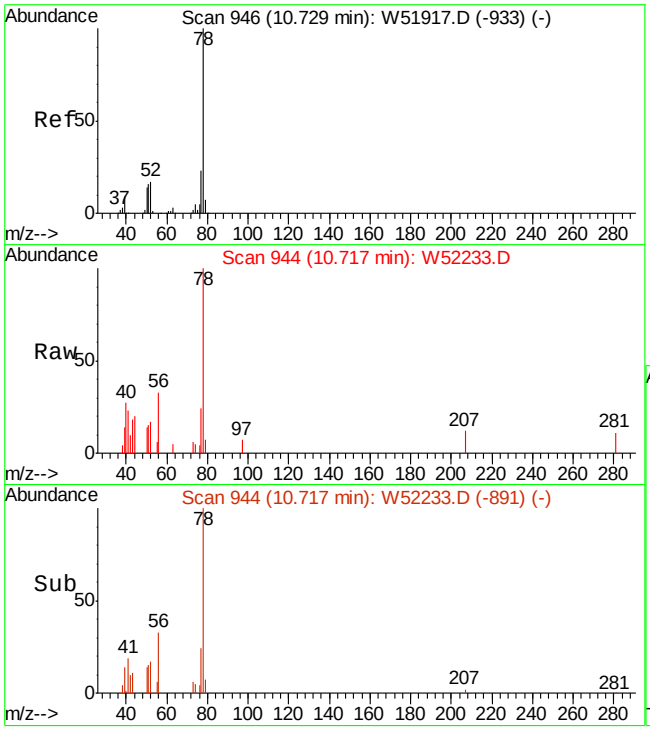


#47
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.86 min Scan# 968
Delta R.T. 0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion:117 Resp: 2412

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	116.2
121	24.8	10.5	50.5

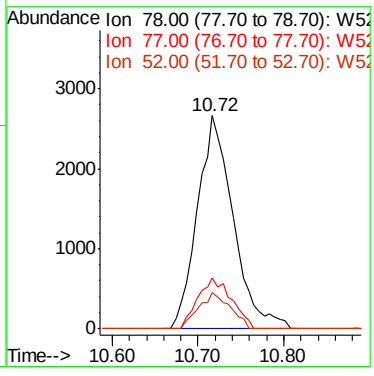


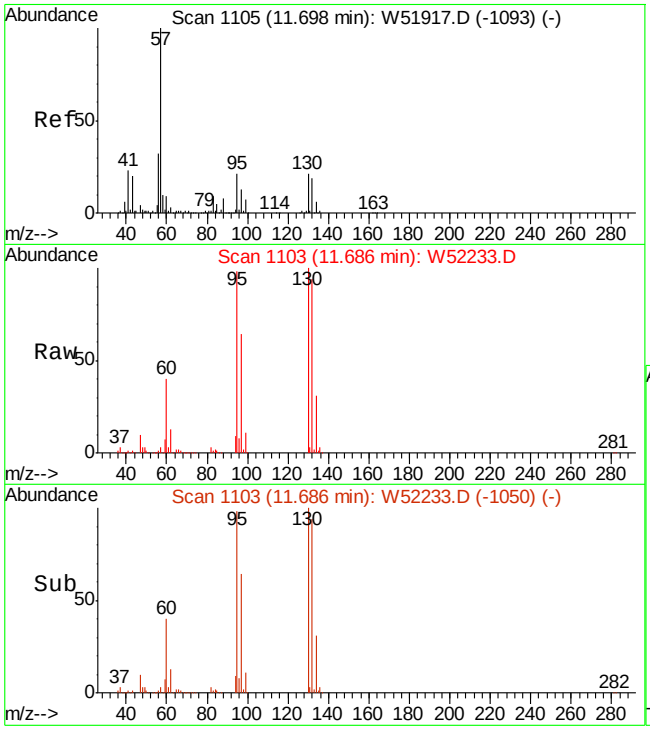


#50
BENZENE
Concen: 0.21 PPBV
RT: 10.72 min Scan# 944
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 78 Resp: 7755

Ion	Ratio	Lower	Upper
78	100		
77	22.4	3.1	43.1
52	14.8	0.0	35.4

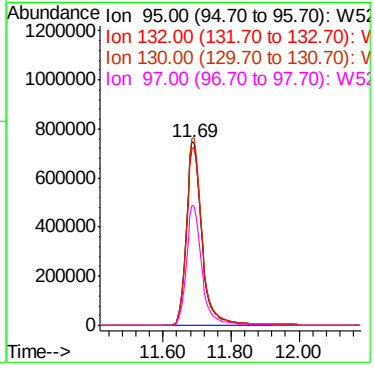




#53
TRICHLOROETHYLENE
Concen: 163.47 PPBV
RT: 11.69 min Scan# 1103
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

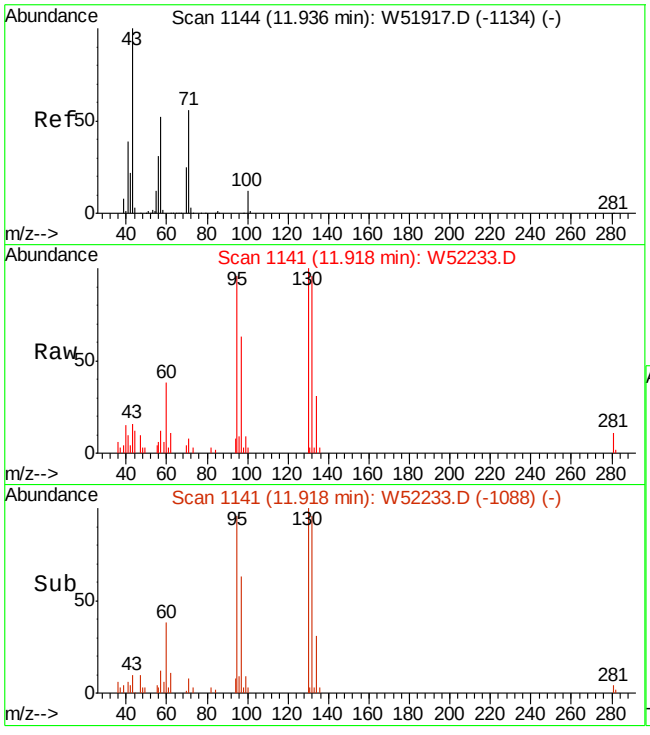
Tgt Ion: 95 Resp: 2367740

Ion	Ratio	Lower	Upper
95	100		
132	98.1	79.9	119.9
130	102.9	84.5	124.5
97	65.0	44.4	84.4



7.1.8

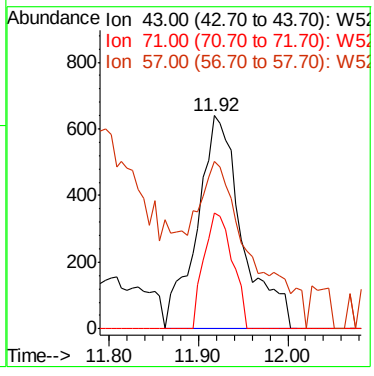
7

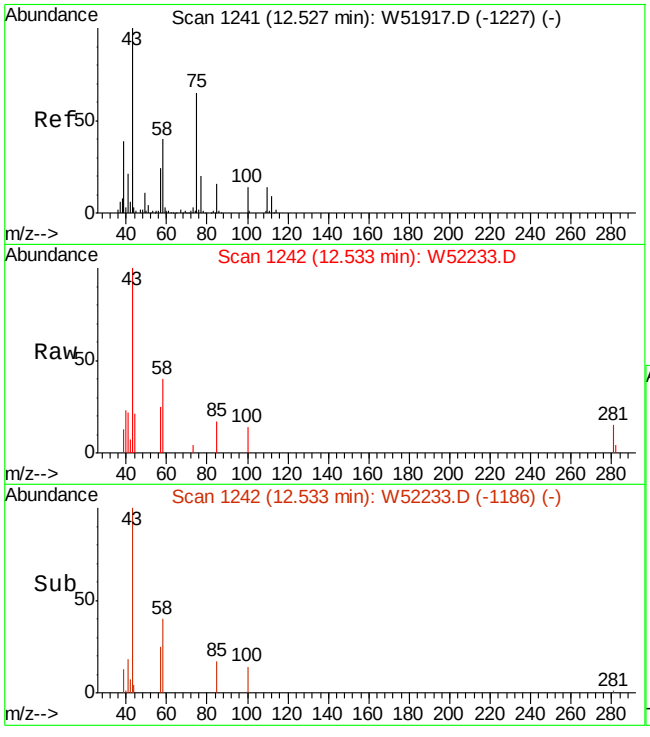


#61
HEPTANE
Concen: 0.10 PPBV
RT: 11.92 min Scan# 1141
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 43 Resp: 2247

Ion	Ratio	Lower	Upper
43	100		
71	34.4	41.8	81.8#
57	0.0	39.5	79.5#

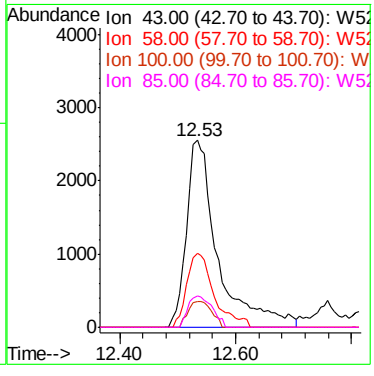


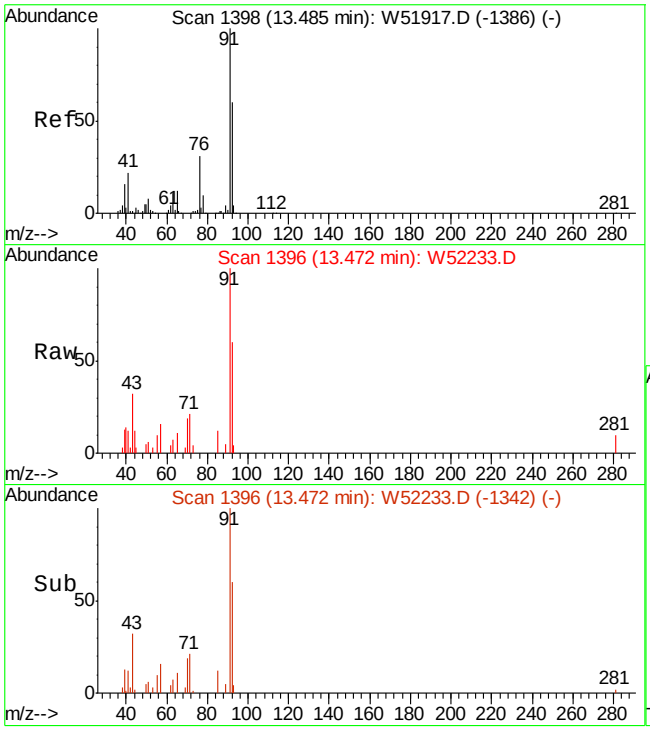


#62
METHYL ISOBUTYL KETONE
Concen: 0.40 PPBV
RT: 12.53 min Scan# 1242
Delta R.T. 0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 43 Resp: 9530

Ion	Ratio	Lower	Upper
43	100		
58	34.6	21.5	61.5
100	10.4	0.0	36.4
85	12.9	0.0	39.0

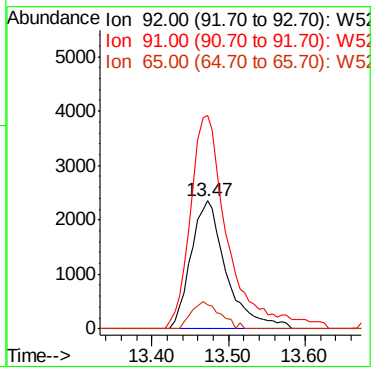


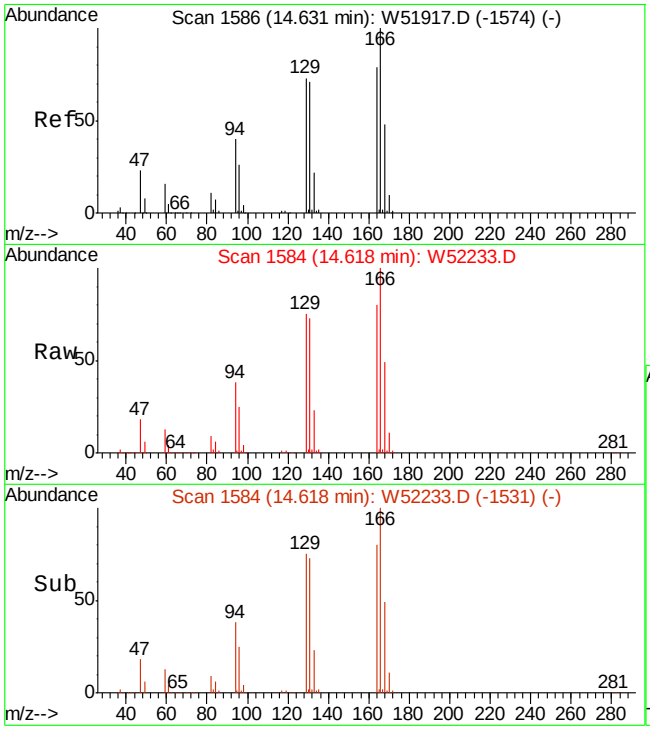


#64
TOLUENE
Concen: 0.31 PPBV
RT: 13.47 min Scan# 1396
Delta R.T. -0.00 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 92 Resp: 7538

Ion	Ratio	Lower	Upper
92	100		
91	176.3	148.1	188.1
65	17.2	0.3	40.3

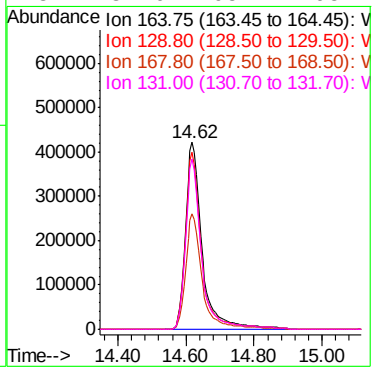


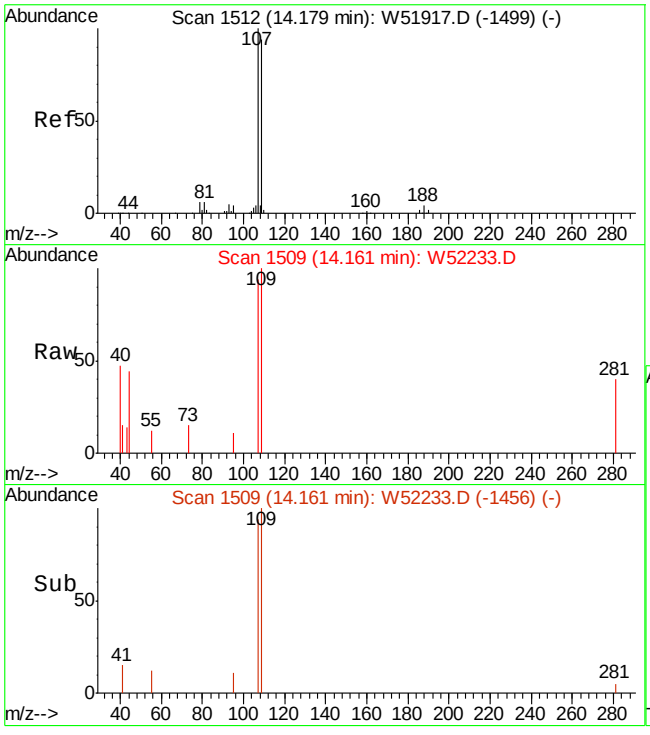


#70
TETRACHLOROETHYLENE
Concen: 101.43 PPBV
RT: 14.62 min Scan# 1584
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion:164 Resp: 1431586

Ion	Ratio	Lower	Upper
164	100		
129	91.5	69.3	109.3
168	61.4	41.4	81.4
131	87.6	65.4	105.4

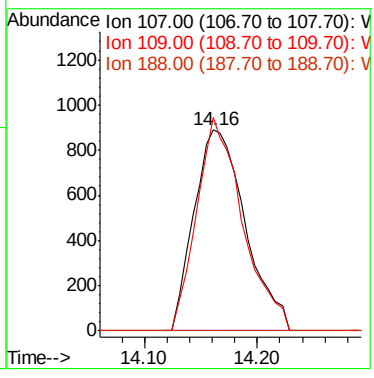


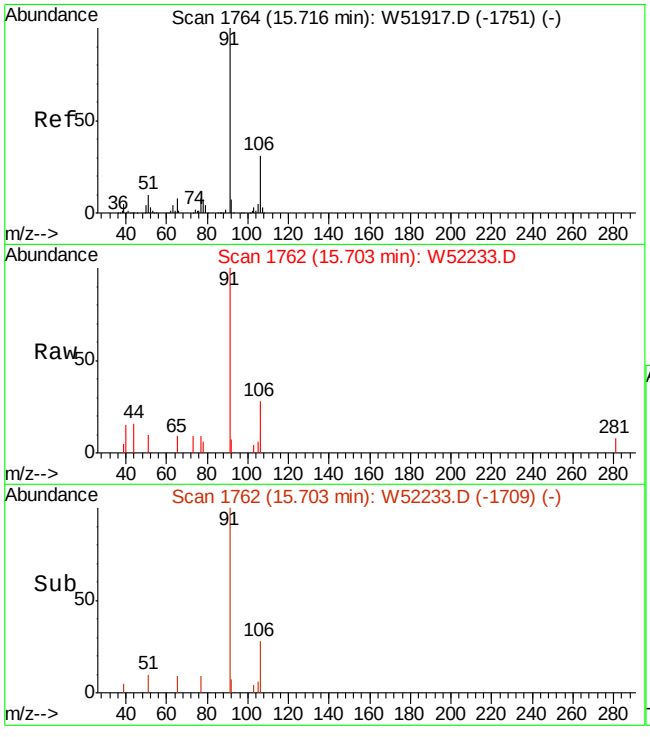


#72
1,2-DIBROMOETHANE
Concen: 0.17 PPBV
RT: 14.16 min Scan# 1509
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion:107 Resp: 2813

Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.6	114.6
188	0.0	0.0	23.8

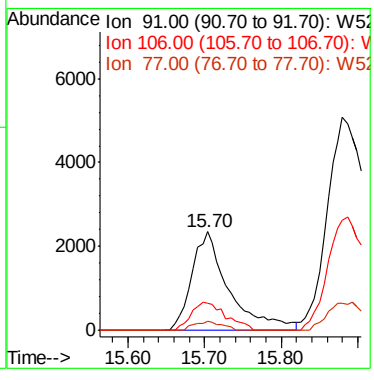


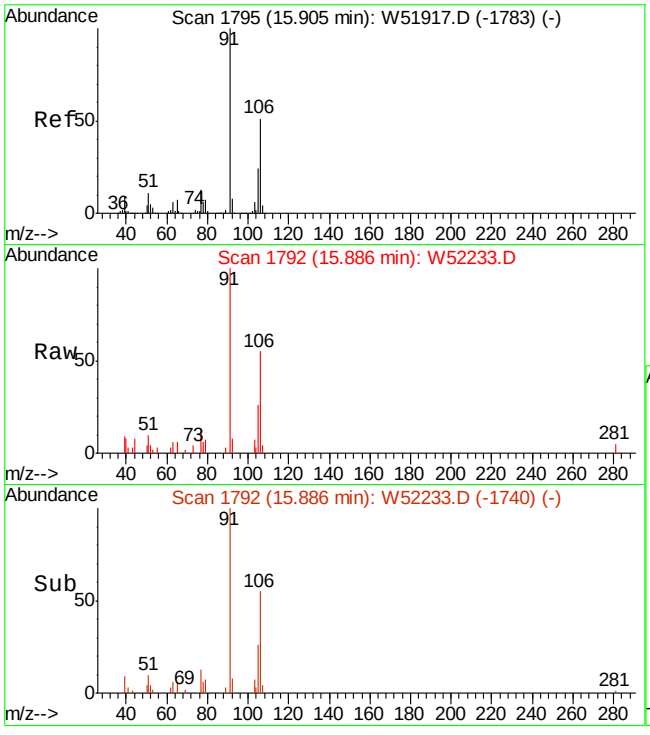


#76
ETHYLBENZENE
Concen: 0.17 PPBV
RT: 15.70 min Scan# 1762
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion: 91 Resp: 7928

Ion	Ratio	Lower	Upper
91	100		
106	26.9	11.2	51.2
77	7.0	0.0	28.1

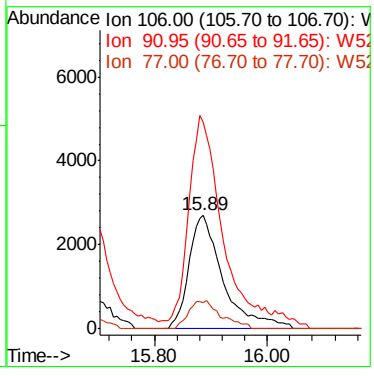


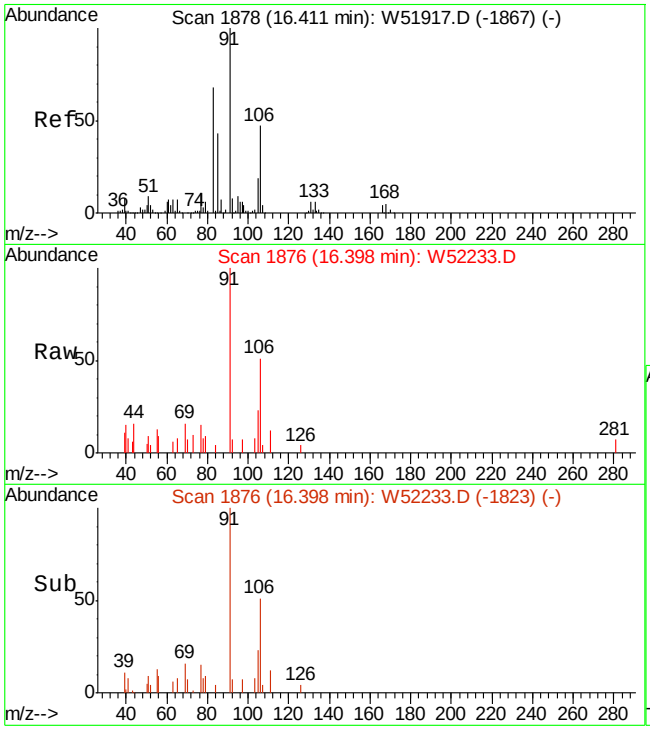


#77
m,p-XYLENE
Concen: 0.61 PPBV
RT: 15.89 min Scan# 1792
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion:106 Resp: 11479

Ion	Ratio	Lower	Upper
106	100		
91	181.4	155.4	233.2
77	23.4	19.8	29.6

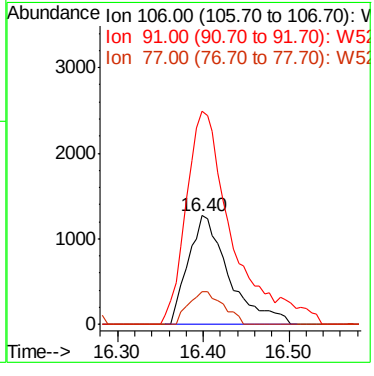




#78
o-XYLENE
Concen: 0.25 PPBV
RT: 16.40 min Scan# 1876
Delta R.T. -0.01 min
Lab File: W52233.D
Acq: 30 Oct 2015 4:28 am

Tgt Ion:106 Resp: 4201

Ion	Ratio	Lower	Upper
106	100		
91	221.4	187.6	227.6
77	25.7	6.2	46.2



Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon
11/03/15 17:14

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52234.D Vial: 9
Acq On : 30 Oct 2015 5:09 am Operator: youminh
Sample : JC7272-6 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:05:54 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

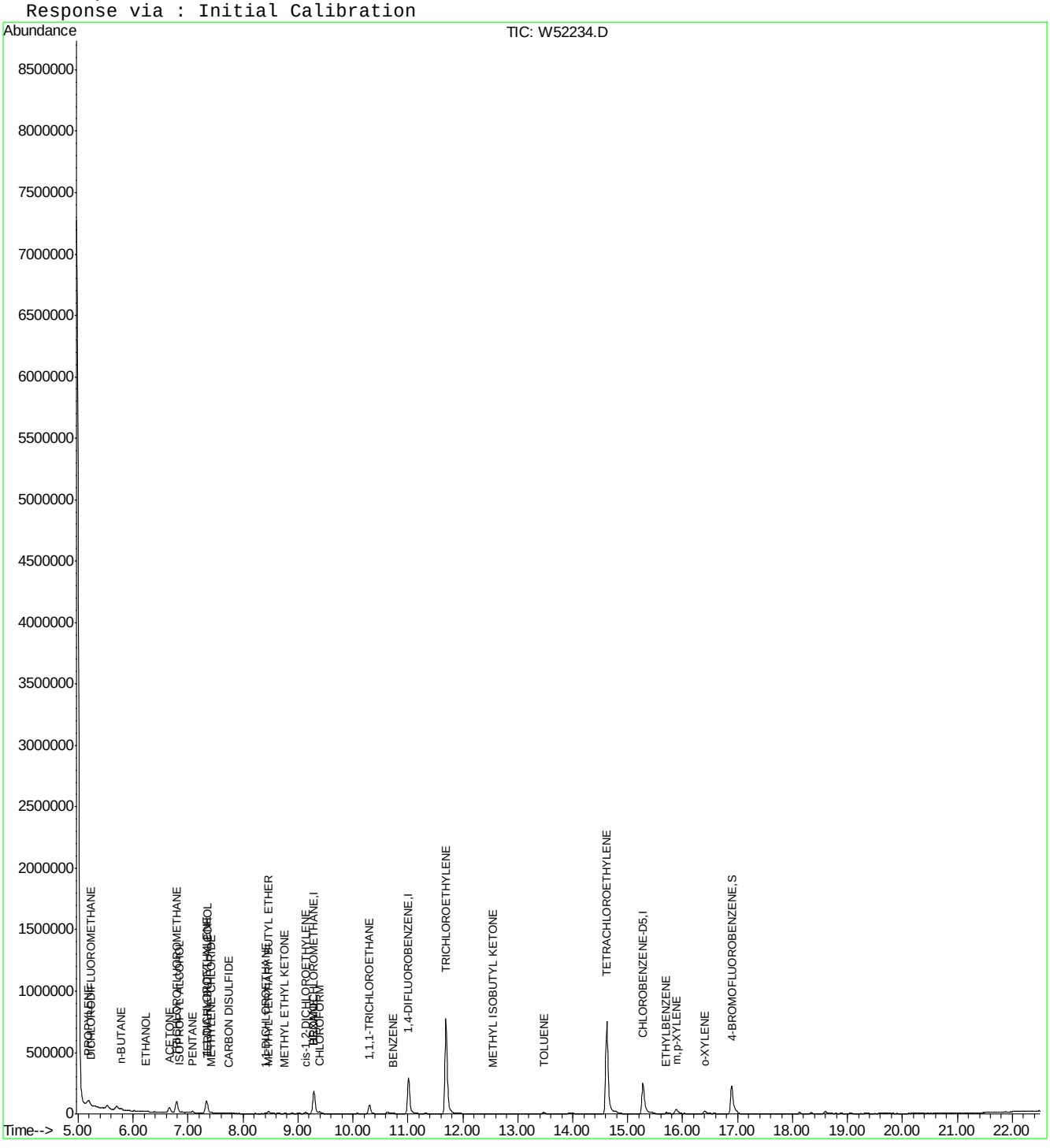
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	86690	10.00	PPBV	0.01
49) 1,4-DIFLUOROBENZENE	11.01	114	412459	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	177570	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	178158	9.18	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 91.80%			
Target Compounds						Qvalue
5) DICHLORODIFLUOROMETHANE	5.24	85	5763	0.20	PPBV	99
6) PROPYLENE	5.19	41	35226	3.21	PPBV	91
12) n-BUTANE	5.78	58	2733	0.97	PPBV #	79
17) TRICHLOROFLUOROMETHANE	6.79	101	132807	5.16	PPBV	100
18) ISOPROPYL ALCOHOL	6.84	45	4206	0.18	PPBV #	52
19) ACETONE	6.65	58	21304	3.33	PPBV #	86
22) PENTANE	7.08	57	1742	0.49	PPBV #	87
24) 1,1-DICHLOROETHYLENE	7.33	96	72009	5.72	PPBV	98
25) CARBON DISULFIDE	7.74	76	6243	0.18	PPBV #	80
26) ETHANOL	6.23	45	10062	1.84	PPBV	96
29) METHYLENE CHLORIDE	7.42	84	3663	0.34	PPBV	97
33) TERTIARY BUTYL ALCOHOL	7.36	59	8823	0.35	PPBV	88
34) METHYL TERTIARY BUTYL ETHE	8.46	73	19281	0.59	PPBV	84
36) HEXANE	9.29	57	5639	0.27	PPBV	96
38) 1,1-DICHLOROETHANE	8.41	63	6728	0.32	PPBV	98
39) METHYL ETHYL KETONE	8.75	72	1446m	0.25	PPBV	
40) cis-1,2-DICHLOROETHYLENE	9.13	96	9662	0.75	PPBV	95
44) CHLOROFORM	9.39	83	16035	0.72	PPBV	98
46) 1,1,1-TRICHLOROETHANE	10.30	97	74527	3.38	PPBV	100
50) BENZENE	10.73	78	7049	0.20	PPBV	99
53) TRICHLOROETHYLENE	11.69	95	450252	32.04	PPBV	100
62) METHYL ISOBUTYL KETONE	12.55	43	3011	0.13	PPBV	77
64) TOLUENE	13.47	92	7958	0.34	PPBV	94
70) TETRACHLOROETHYLENE	14.62	164	364788	27.34	PPBV	99
76) ETHYLBENZENE	15.70	91	17344	0.39	PPBV	99
77) m,p-XYLENE	15.89	106	26735	1.51	PPBV	98
78) o-XYLENE	16.40	106	13770	0.87	PPBV	97

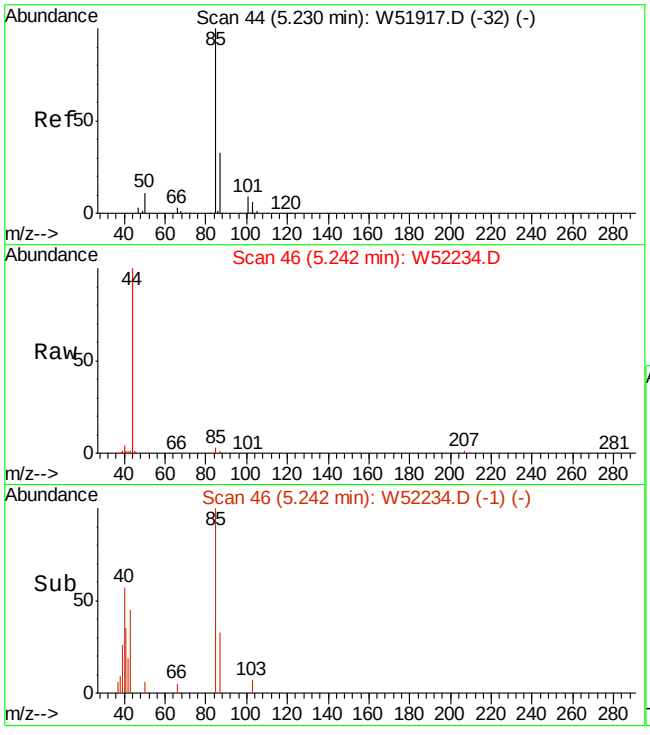
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52234.D Vial: 9
Acq On : 30 Oct 2015 5:09 am Operator: youminh
Sample : JC7272-6 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 12:15 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

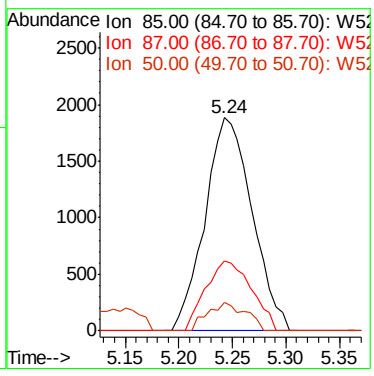


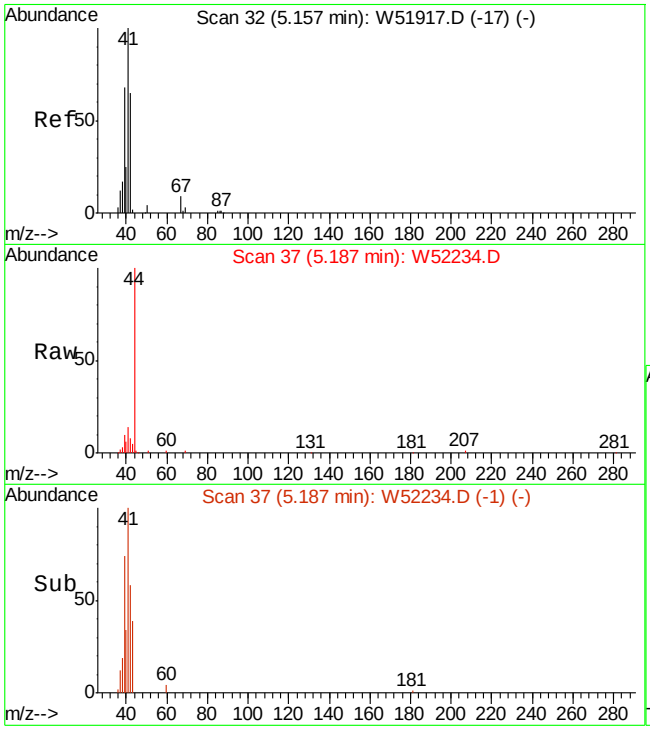


#5
DICHLORODIFLUOROMETHANE
Concen: 0.20 PPBV
RT: 5.24 min Scan# 46
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 85 Resp: 5763

Ion	Ratio	Lower	Upper
85	100		
87	31.9	12.4	52.4
50	10.6	0.0	30.9

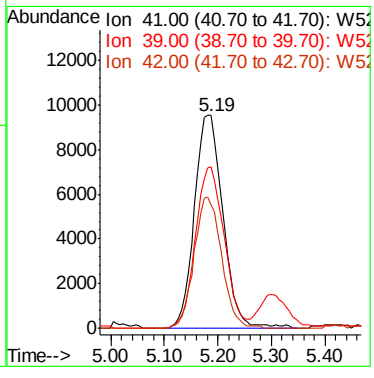


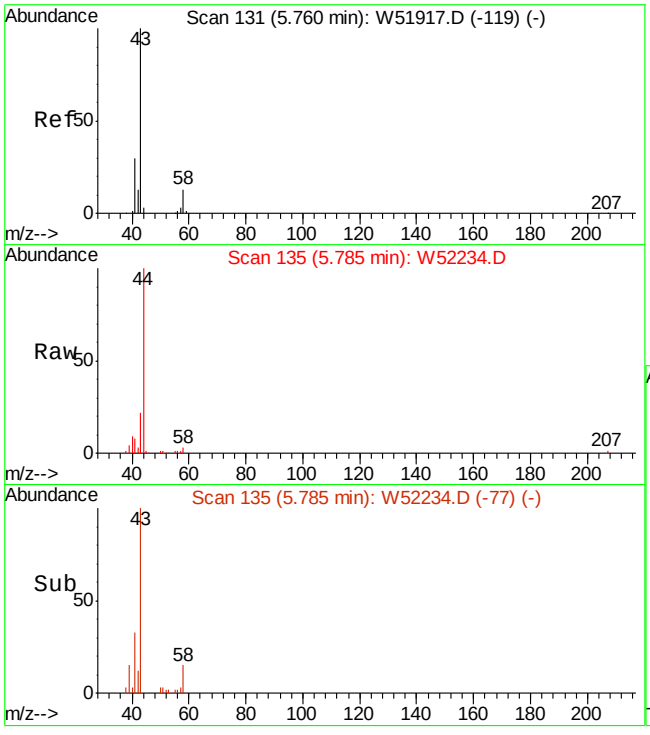


#6
PROPYLENE
Concen: 3.21 PPBV
RT: 5.19 min Scan# 37
Delta R.T. 0.02 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 41 Resp: 35226

Ion	Ratio	Lower	Upper
41	100		
39	76.1	49.2	89.2
42	57.9	44.6	84.6

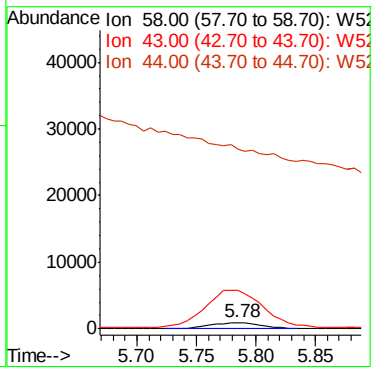


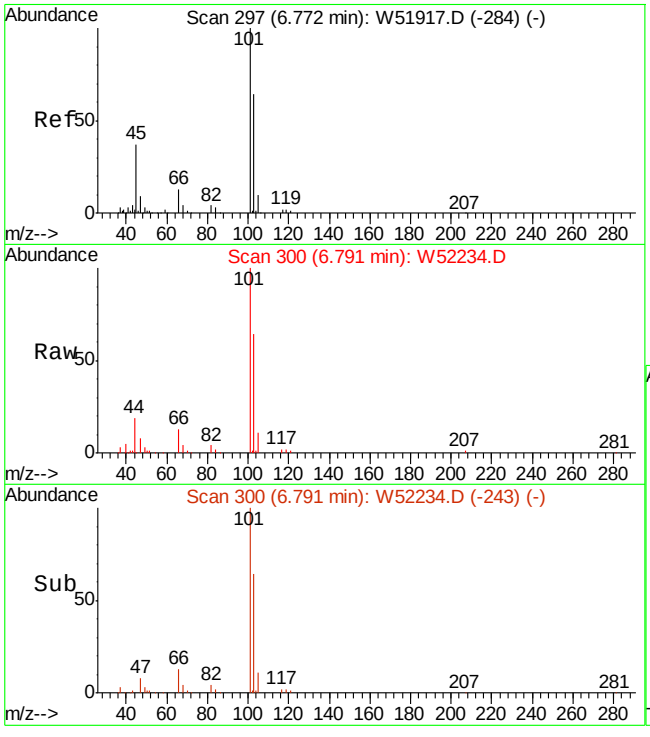


#12
n-BUTANE
Concen: 0.97 PPBV
RT: 5.78 min Scan# 135
Delta R.T. 0.02 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 58 Resp: 2733

Ion	Ratio	Lower	Upper
58	100		
43	791.3	577.4	866.0
44	0.0	20.6	30.8#

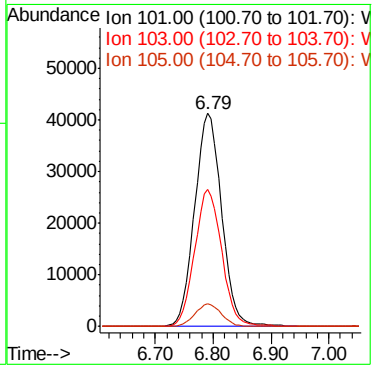


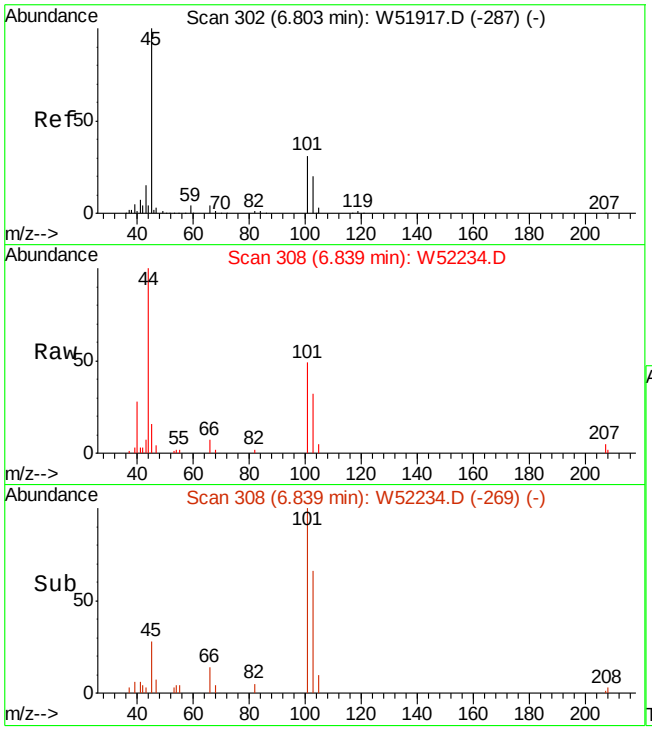


#17
TRICHLOROFLUOROMETHANE
Concen: 5.16 PPBV
RT: 6.79 min Scan# 300
Delta R.T. 0.02 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion:101 Resp: 132807

Ion	Ratio	Lower	Upper
101	100		
103	65.0	44.7	84.7
105	10.5	0.0	30.4

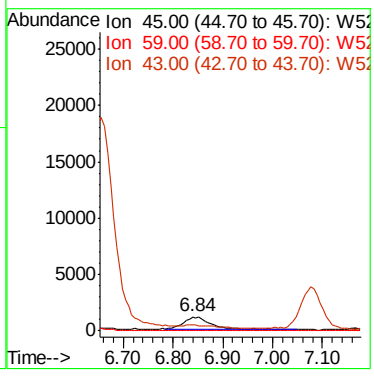


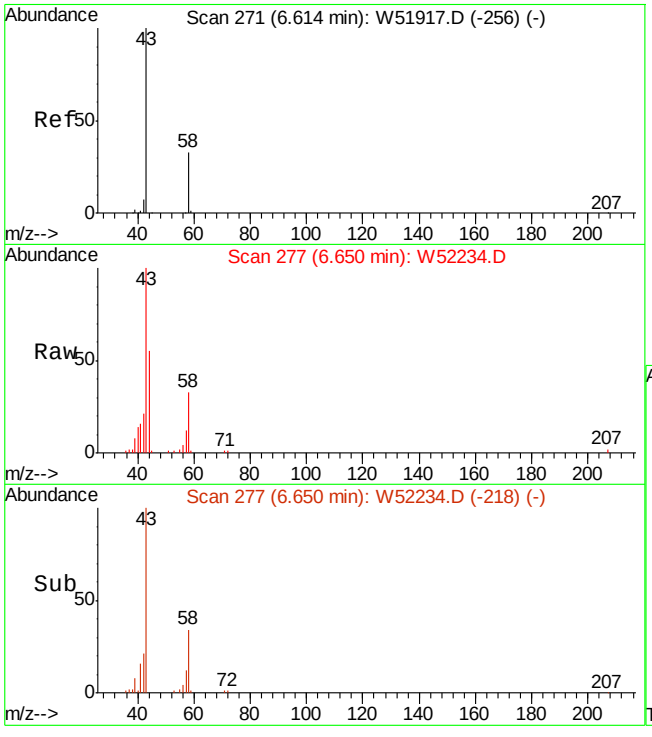


#18
ISOPROPYL ALCOHOL
Concen: 0.18 PPBV
RT: 6.84 min Scan# 308
Delta R.T. 0.04 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 45 Resp: 4206

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	24.3
43	42.2	0.0	37.4#

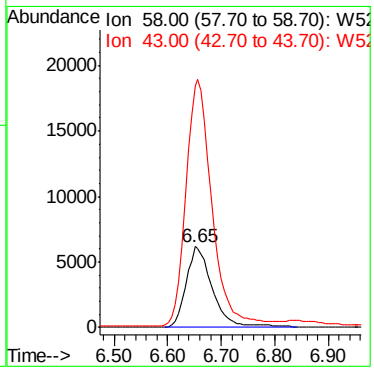


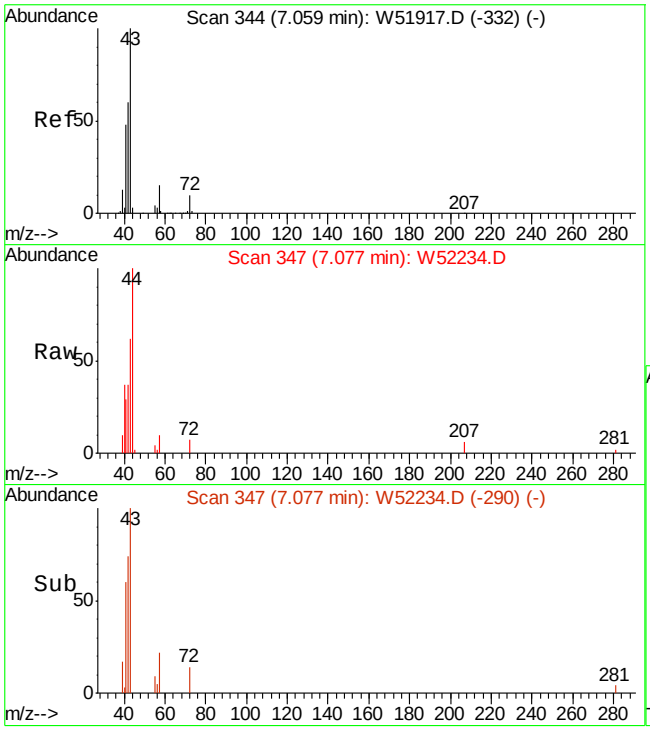


#19
ACETONE
Concen: 3.33 PPBV
RT: 6.65 min Scan# 277
Delta R.T. 0.03 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 58 Resp: 21304

Ion	Ratio	Lower	Upper
58	100		
43	301.3	254.7	294.7#

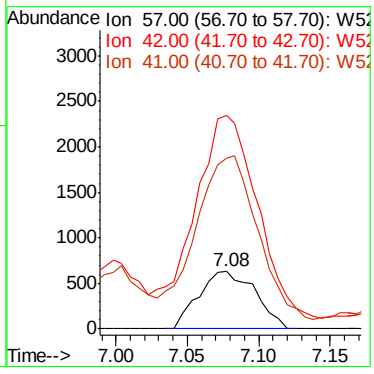


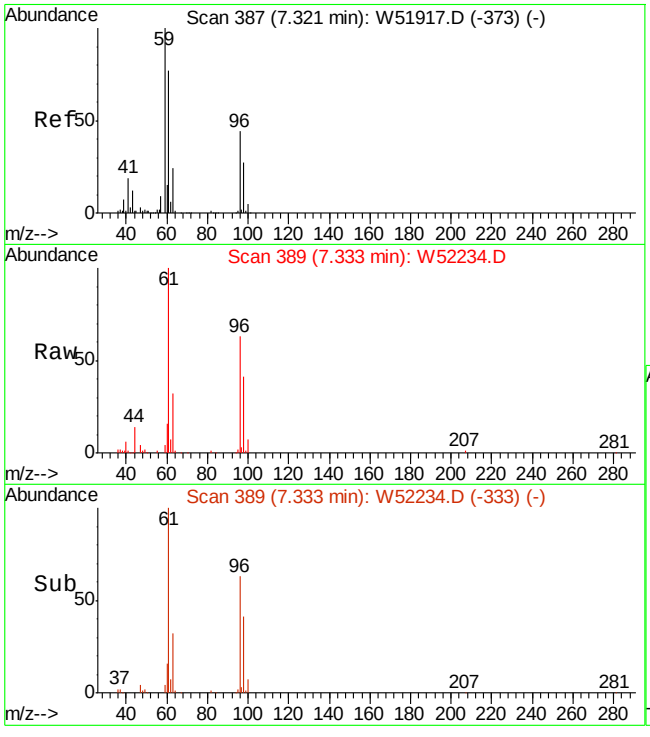


#22
PENTANE
Concen: 0.49 PPBV
RT: 7.08 min Scan# 347
Delta R.T. 0.02 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 57 Resp: 1742

Ion	Ratio	Lower	Upper
57	100		
42	419.2	366.1	406.1#
41	327.0	286.4	326.4#

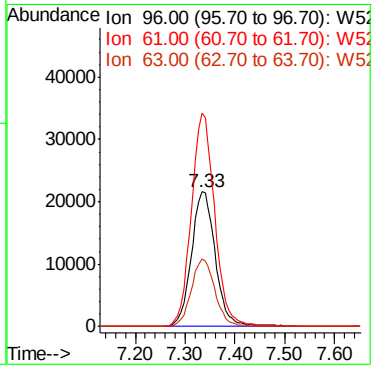


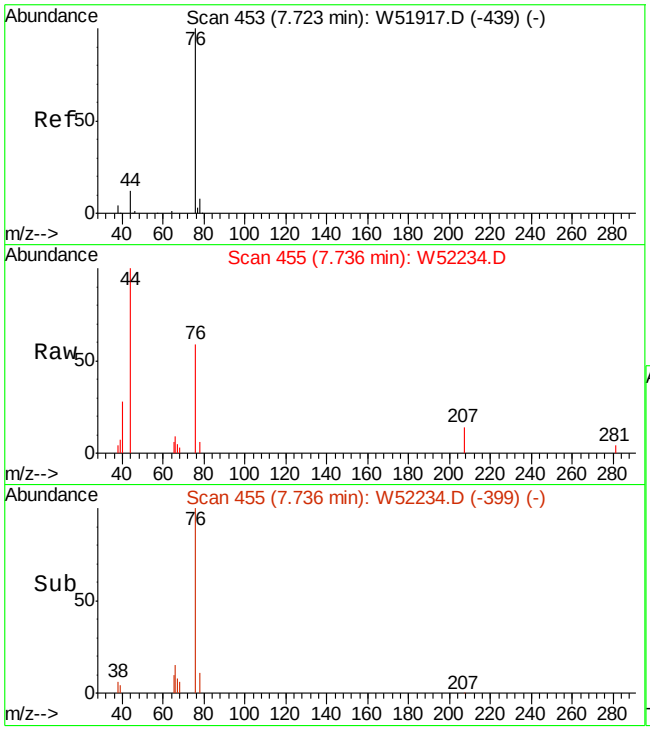


#24
1,1-DICHLOROETHYLENE
Concen: 5.72 PPBV
RT: 7.33 min Scan# 389
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 96 Resp: 72009

Ion	Ratio	Lower	Upper
96	100		
61	155.1	137.8	177.8
63	49.6	30.5	70.5

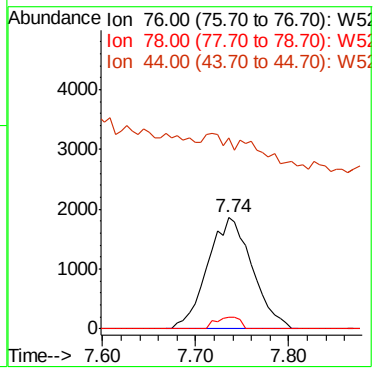


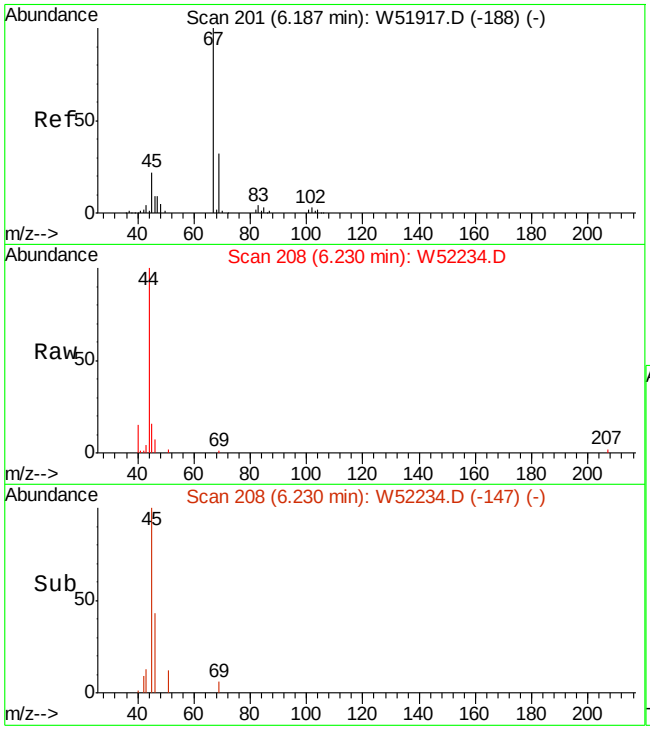


#25
CARBON DISULFIDE
Concen: 0.18 PPBV
RT: 7.74 min Scan# 455
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 76 Resp: 6243

Ion	Ratio	Lower	Upper
76	100		
78	5.8	0.0	29.1
44	0.0	0.0	31.0

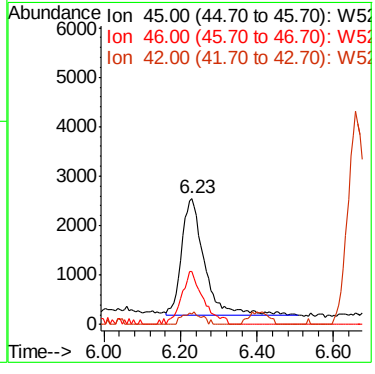


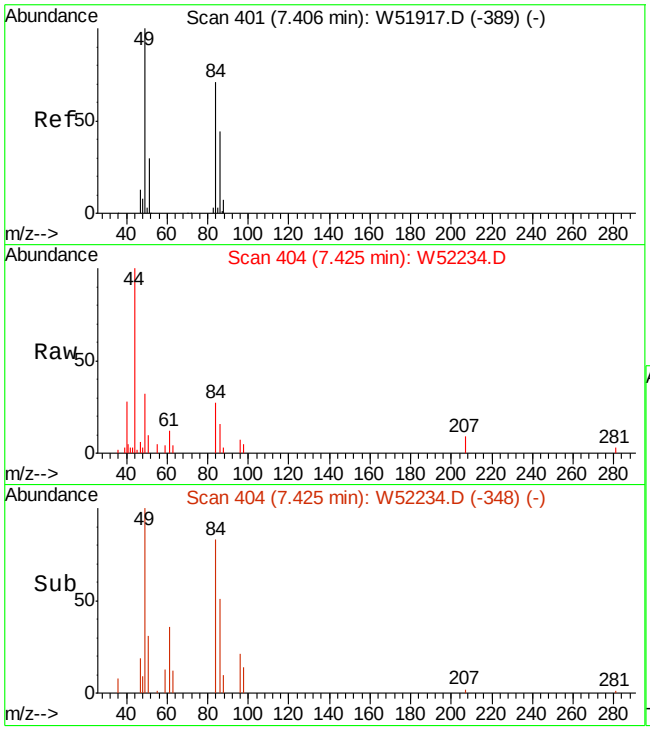


#26
ETHANOL
Concen: 1.84 PPBV
RT: 6.23 min Scan# 208
Delta R.T. 0.04 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 45 Resp: 10062

Ion	Ratio	Lower	Upper
45	100		
46	42.5	19.6	59.6
42	8.9	0.0	28.5

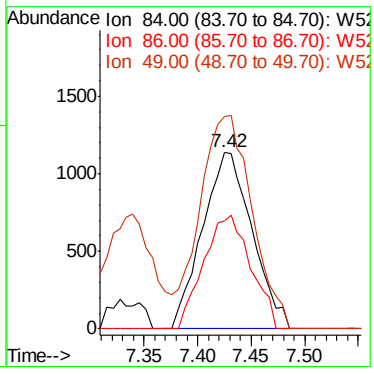


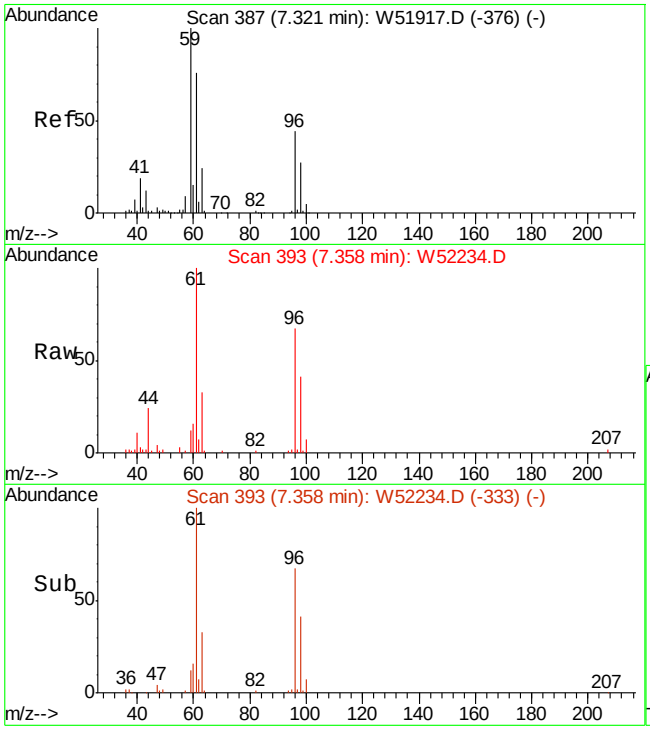


#29
METHYLENE CHLORIDE
Concen: 0.34 PPBV
RT: 7.42 min Scan# 404
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 84 Resp: 3663

Ion	Ratio	Lower	Upper
84	100		
86	61.2	43.4	83.4
49	127.7	0.0	325.0

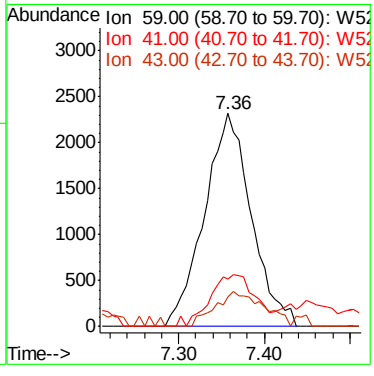


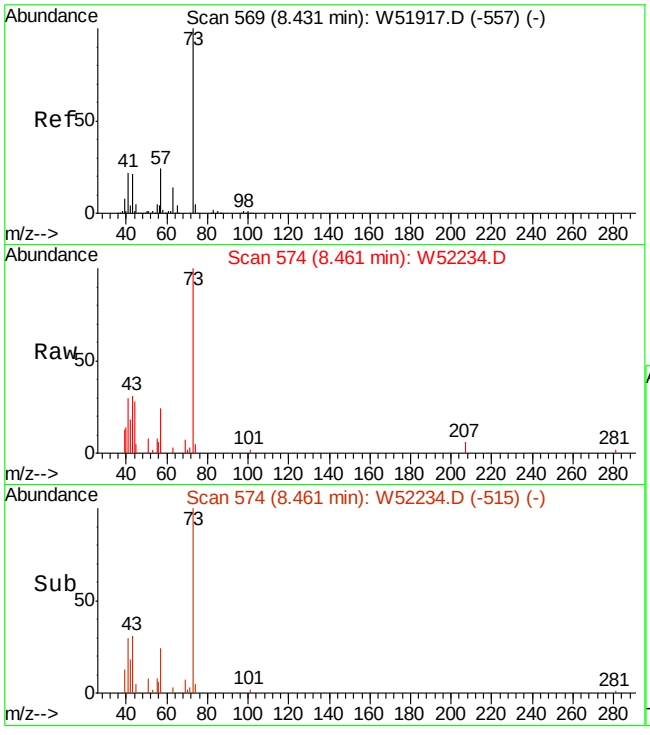


#33
TERTIARY BUTYL ALCOHOL
Concen: 0.35 PPBV
RT: 7.36 min Scan# 393
Delta R.T. 0.04 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 59 Resp: 8823

Ion	Ratio	Lower	Upper
59	100		
41	24.1	0.0	39.0
43	17.0	0.0	32.1

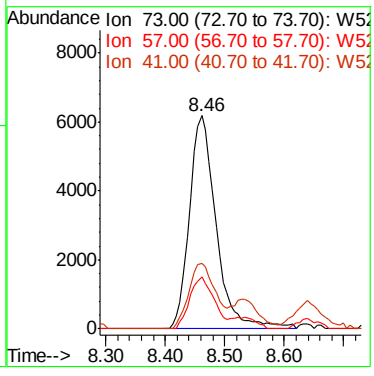


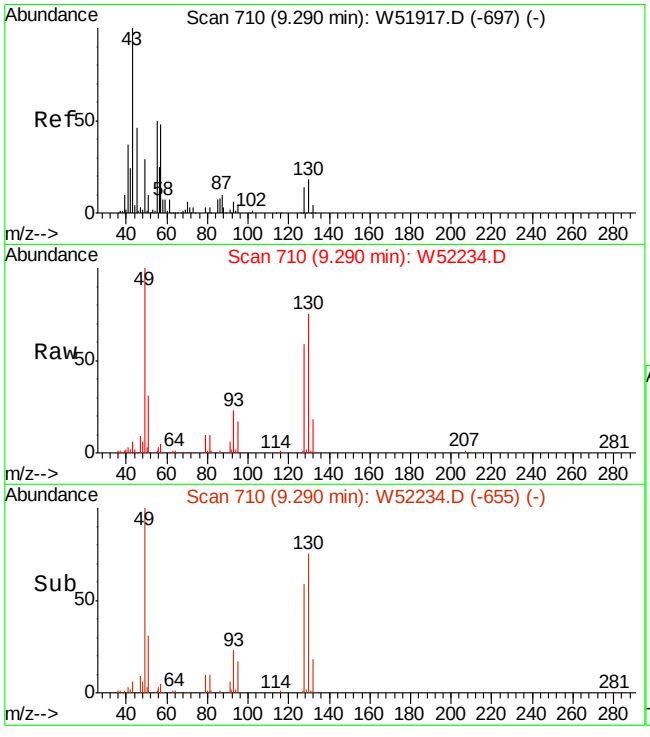


#34
METHYL TERTIARY BUTYL ETHER
Concen: 0.59 PPBV
RT: 8.46 min Scan# 574
Delta R.T. 0.03 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 73 Resp: 19281

Ion	Ratio	Lower	Upper
73	100		
57	27.1	3.1	43.1
41	32.0	0.8	40.8

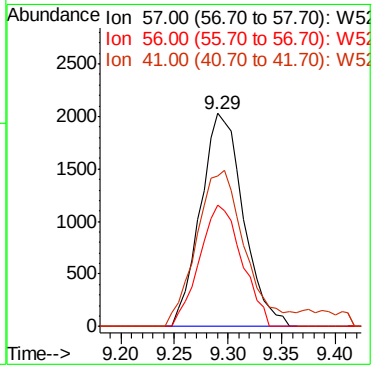




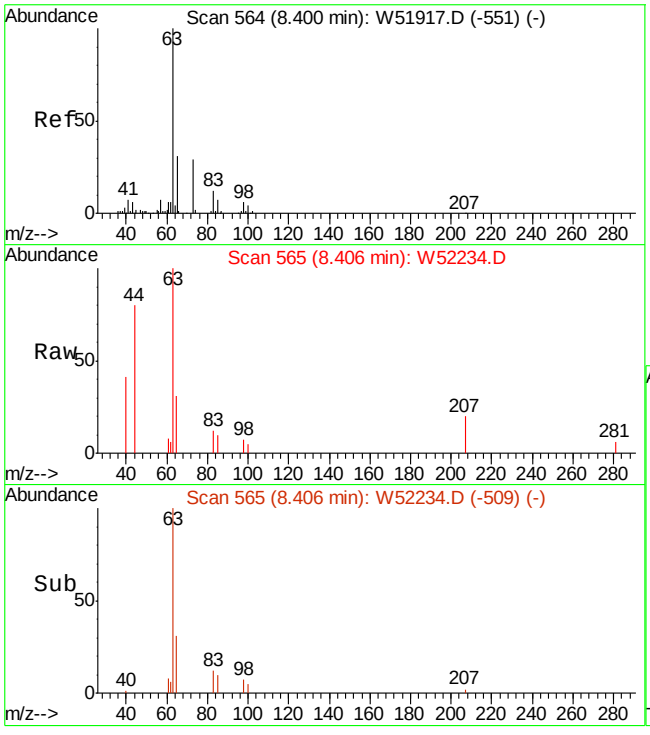
#36
HEXANE
Concen: 0.27 PPBV
RT: 9.29 min Scan# 710
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 57 Resp: 5639

Ion	Ratio	Lower	Upper
57	100		
56	56.4	31.5	71.5
41	91.0	73.1	113.1



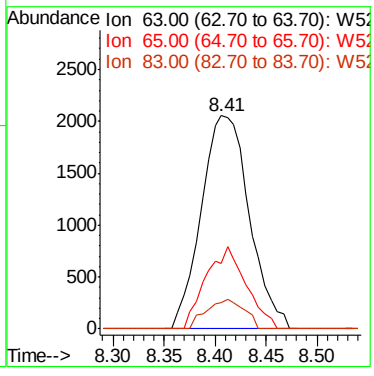
7.1.9
7

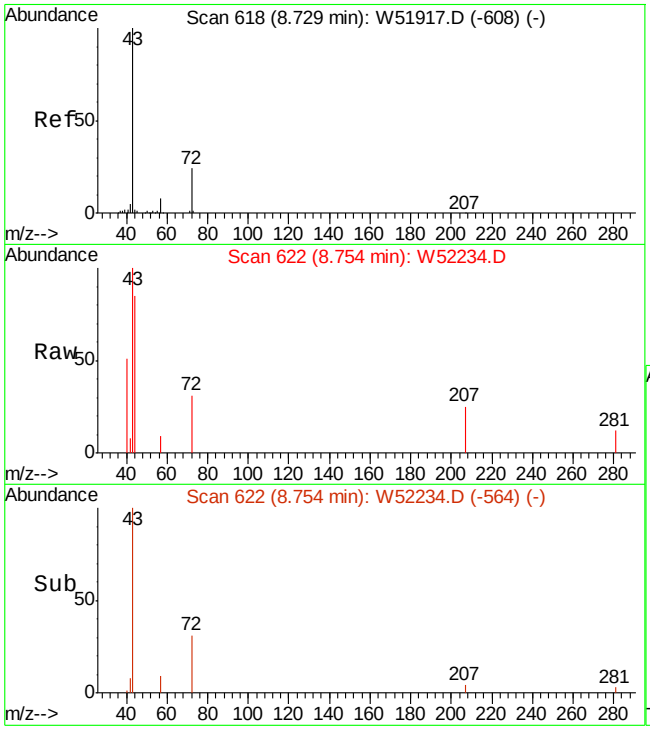


#38
1,1-DICHLOROETHANE
Concen: 0.32 PPBV
RT: 8.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 63 Resp: 6728

Ion	Ratio	Lower	Upper
63	100		
65	32.2	11.2	51.2
83	10.9	0.0	32.3

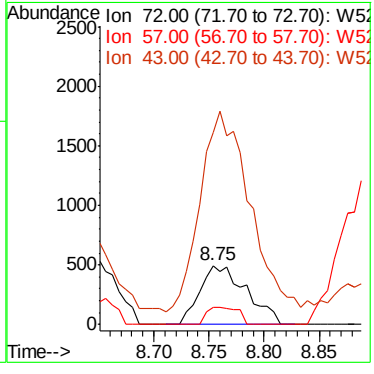


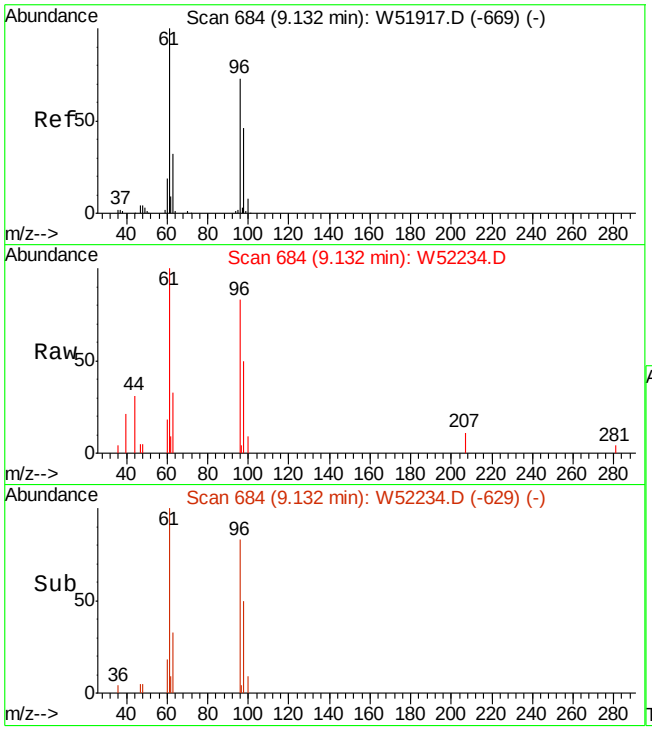


#39
METHYL ETHYL KETONE
Concen: 0.25 PPBV m
RT: 8.75 min Scan# 622
Delta R.T. 0.02 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 72 Resp: 1446

Ion	Ratio	Lower	Upper
72	100		
57	29.1	10.6	50.6
43	324.6	362.9	402.9#

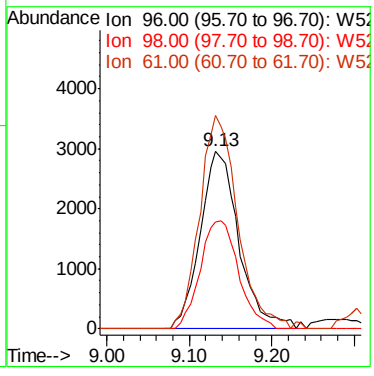


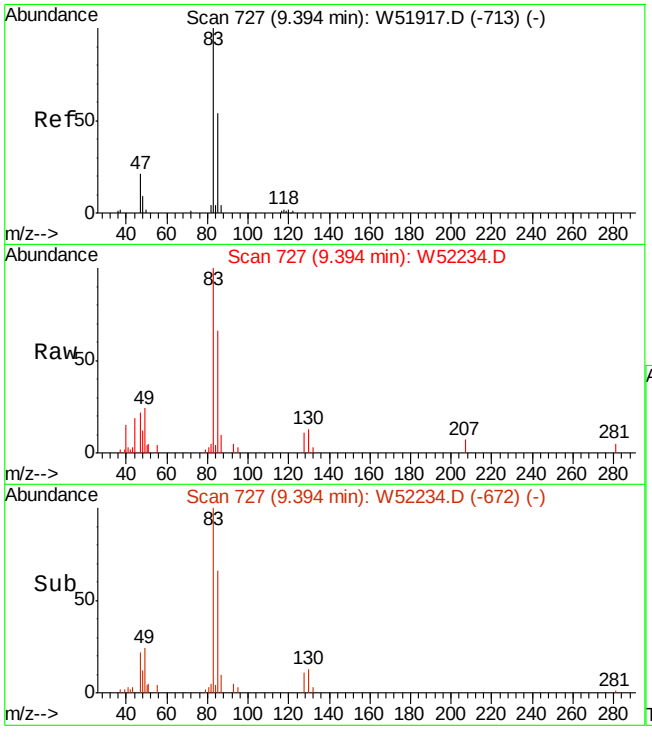


#40
cis-1,2-DICHLOROETHYLENE
Concen: 0.75 PPBV
RT: 9.13 min Scan# 684
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 96 Resp: 9662

Ion	Ratio	Lower	Upper
96	100		
98	60.3	42.3	82.3
61	118.3	104.5	144.5

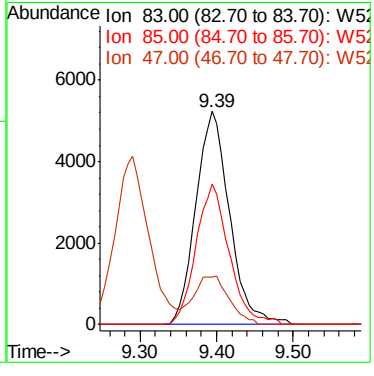


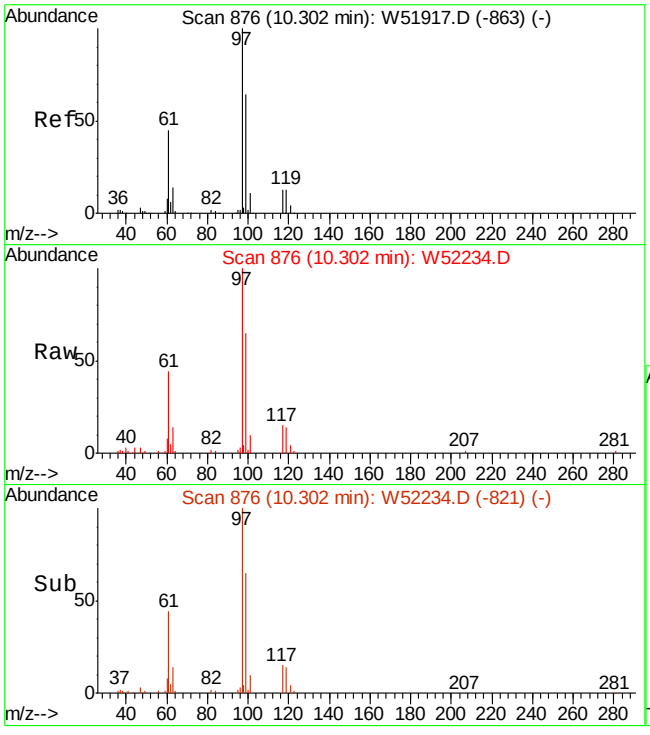


#44
CHLOROFORM
Concen: 0.72 PPBV
RT: 9.39 min Scan# 727
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 83 Resp: 16035

Ion	Ratio	Lower	Upper
83	100		
85	64.7	45.9	85.9
47	24.1	2.3	42.3

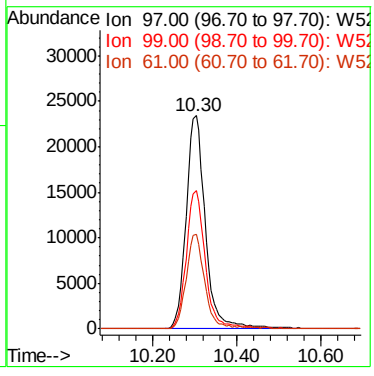


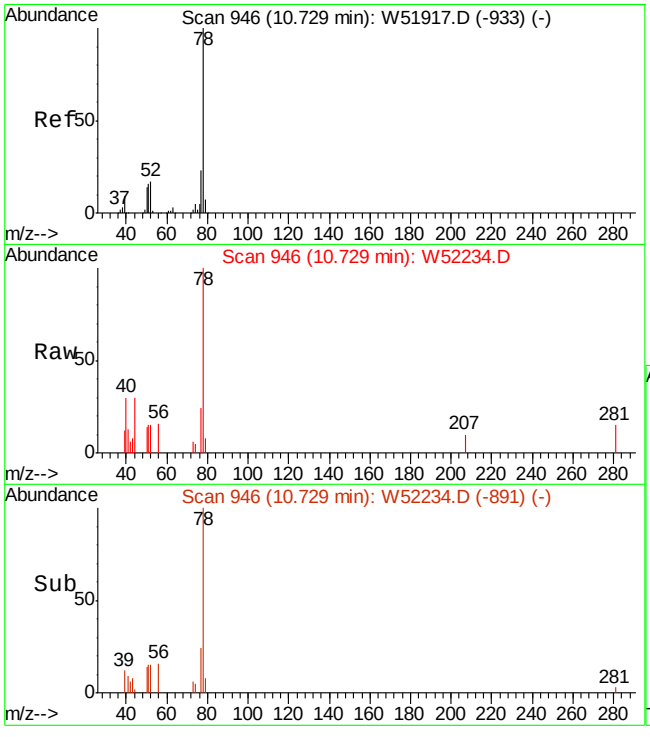


#46
1,1,1-TRICHLOROETHANE
Concen: 3.38 PPBV
RT: 10.30 min Scan# 876
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 97 Resp: 74527

Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.3	84.3
61	43.1	23.0	63.0

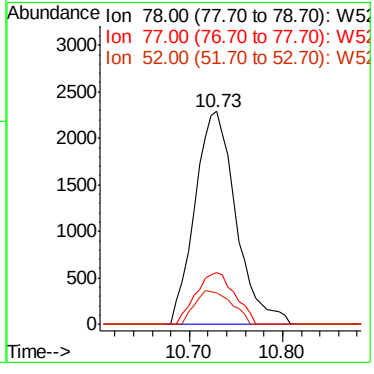


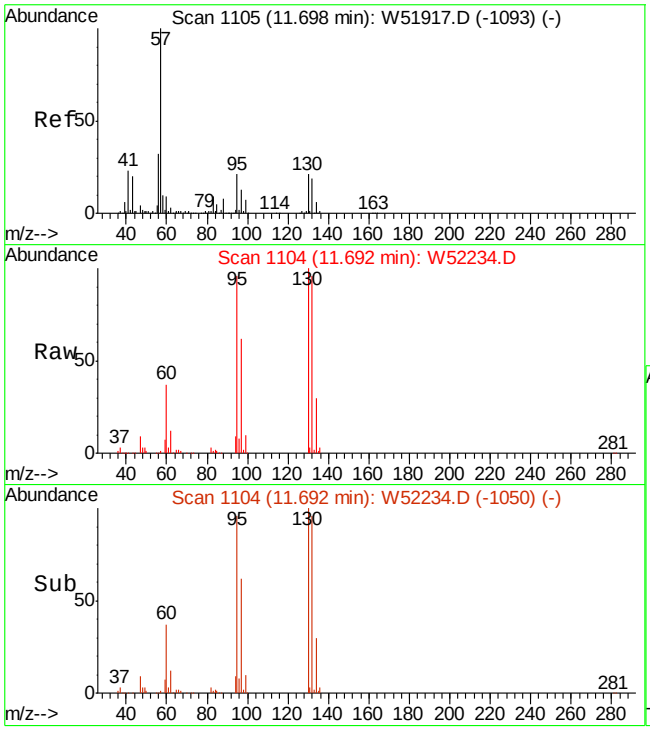


#50
BENZENE
Concen: 0.20 PPBV
RT: 10.73 min Scan# 946
Delta R.T. 0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 78 Resp: 7049

Ion	Ratio	Lower	Upper
78	100		
77	23.1	3.1	43.1
52	14.2	0.0	35.4

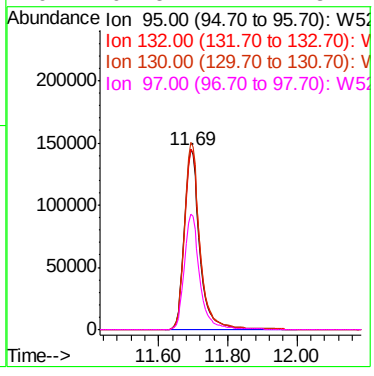


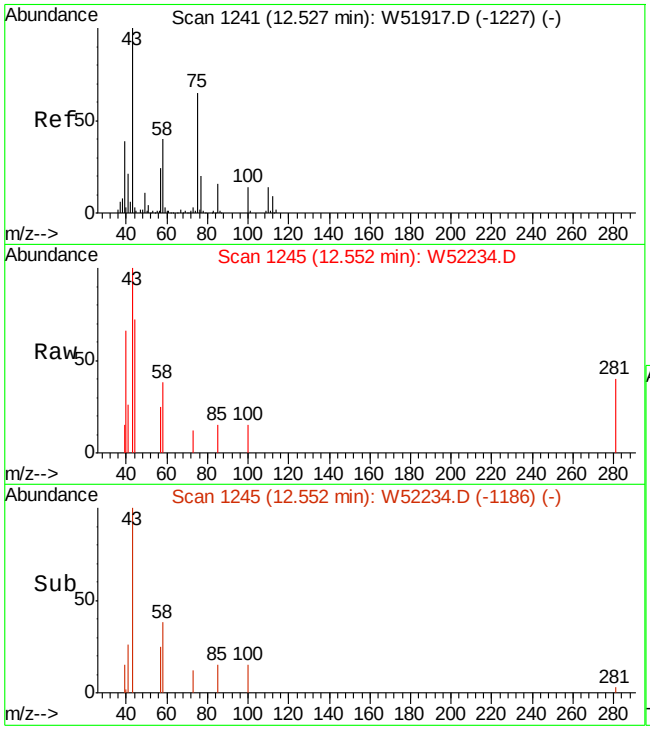


#53
TRICHLOROETHYLENE
Concen: 32.04 PPBV
RT: 11.69 min Scan# 1104
Delta R.T. 0.00 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 95 Resp: 450252

Ion	Ratio	Lower	Upper
95	100		
132	100.7	79.9	119.9
130	104.7	84.5	124.5
97	64.5	44.4	84.4

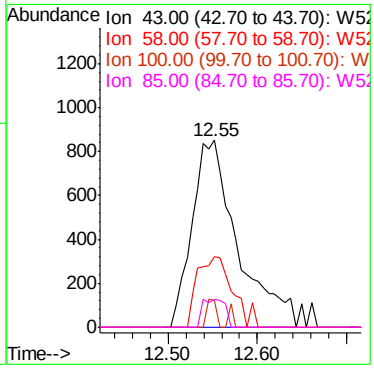


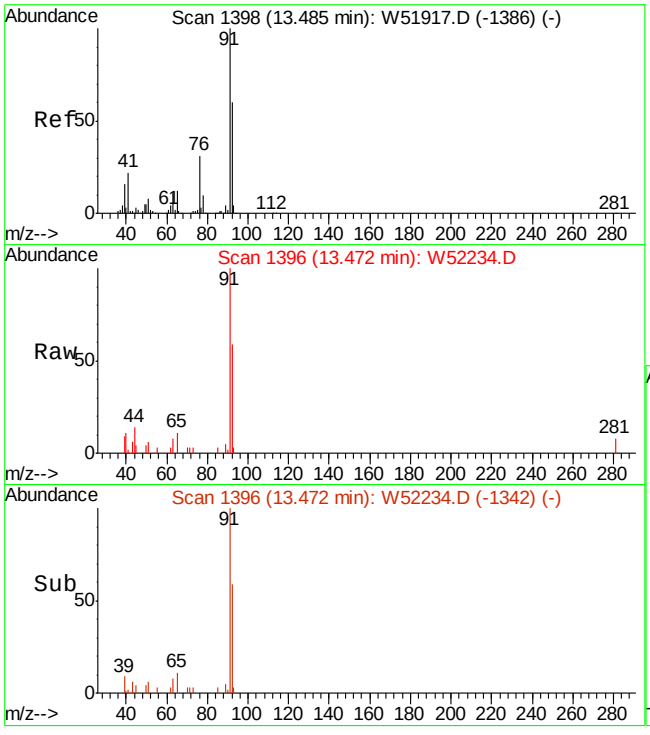


#62
METHYL ISOBUTYL KETONE
Concen: 0.13 PPBV
RT: 12.55 min Scan# 1245
Delta R.T. 0.03 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 43 Resp: 3011

Ion	Ratio	Lower	Upper
43	100		
58	29.4	21.5	61.5
100	3.0	0.0	36.4
85	7.2	0.0	39.0

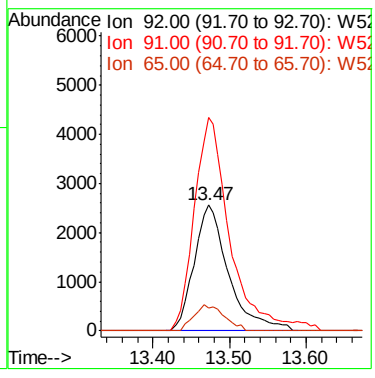


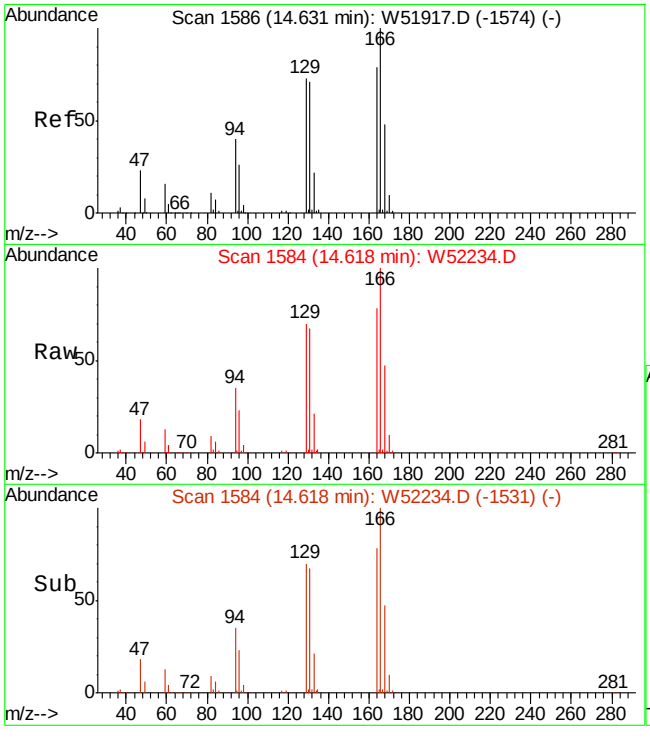


#64
TOLUENE
Concen: 0.34 PPBV
RT: 13.47 min Scan# 1396
Delta R.T. 0.00 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 92 Resp: 7958

Ion	Ratio	Lower	Upper
92	100		
91	176.5	148.1	188.1
65	18.2	0.3	40.3

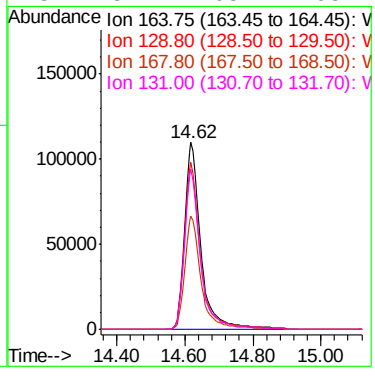


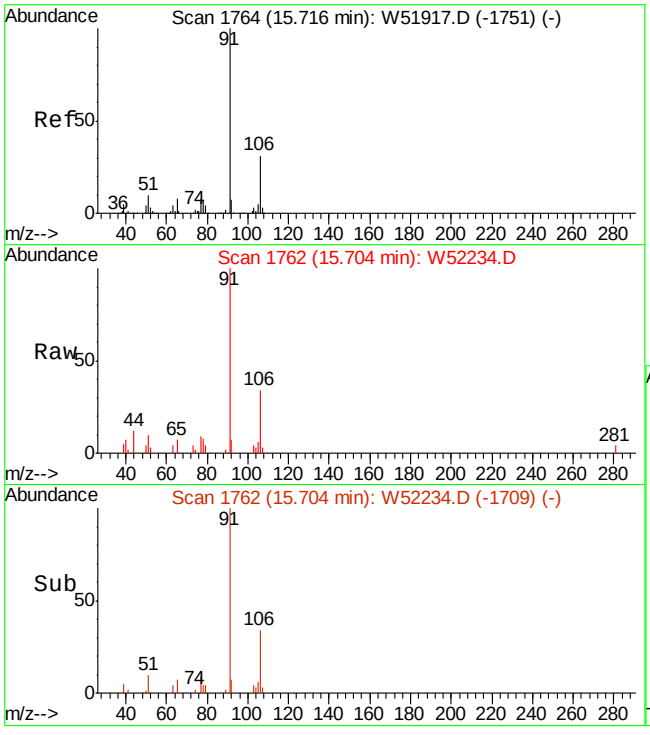


#70
TETRACHLOROETHYLENE
Concen: 27.34 PPBV
RT: 14.62 min Scan# 1584
Delta R.T. -0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion:164 Resp: 364788

Ion	Ratio	Lower	Upper
164	100		
129	88.5	69.3	109.3
168	61.2	41.4	81.4
131	84.7	65.4	105.4

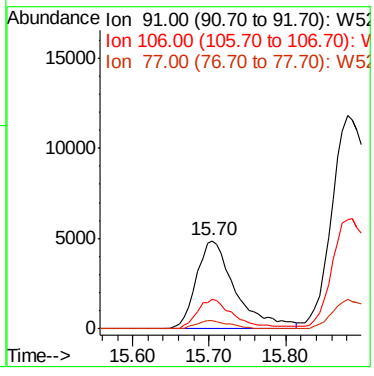


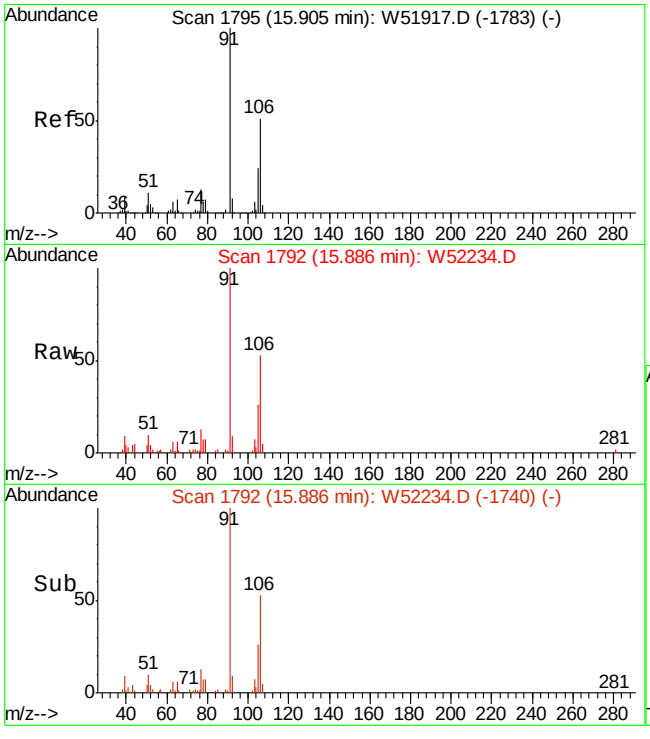


#76
ETHYLBENZENE
Concen: 0.39 PPBV
RT: 15.70 min Scan# 1762
Delta R.T. -0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion: 91 Resp: 17344

Ion	Ratio	Lower	Upper
91	100		
106	31.9	11.2	51.2
77	7.9	0.0	28.1

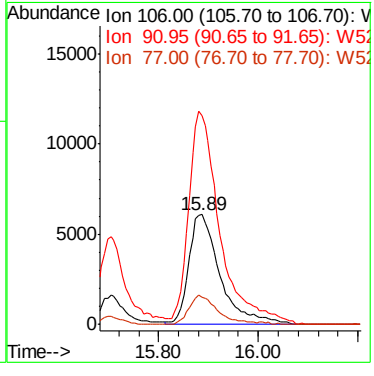


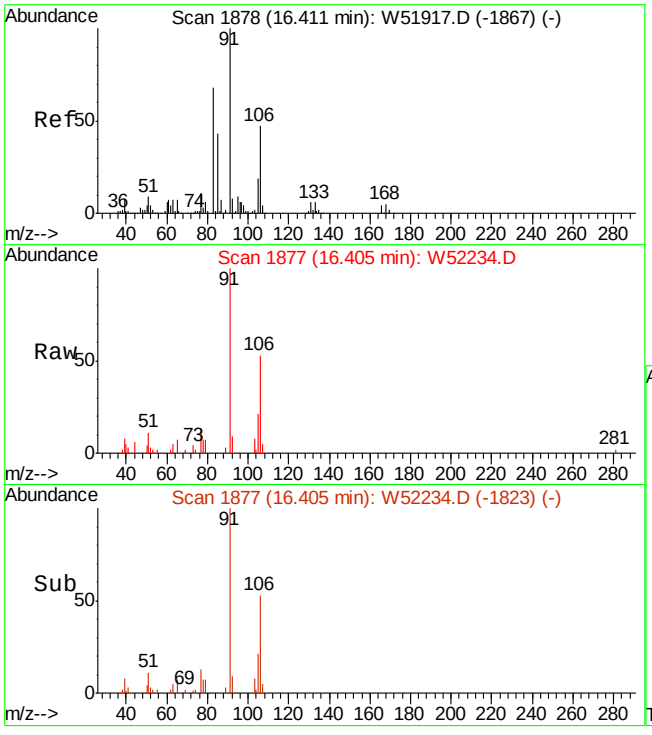


#77
m,p-XYLENE
Concen: 1.51 PPBV
RT: 15.89 min Scan# 1792
Delta R.T. -0.01 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion:106 Resp: 26735

Ion	Ratio	Lower	Upper
106	100		
91	190.4	155.4	233.2
77	24.9	19.8	29.6

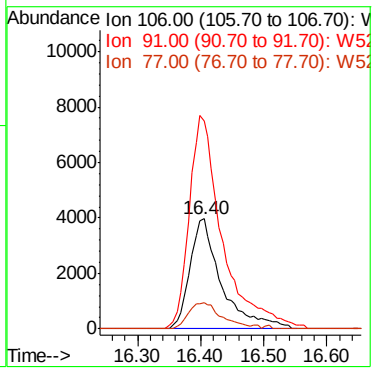




#78
o-XYLENE
Concen: 0.87 PPBV
RT: 16.40 min Scan# 1877
Delta R.T. 0.00 min
Lab File: W52234.D
Acq: 30 Oct 2015 5:09 am

Tgt Ion:106 Resp: 13770

Ion	Ratio	Lower	Upper
106	100		
91	203.3	187.6	227.6
77	25.6	6.2	46.2



7.1.9

7

Manual Integration Approval Summary

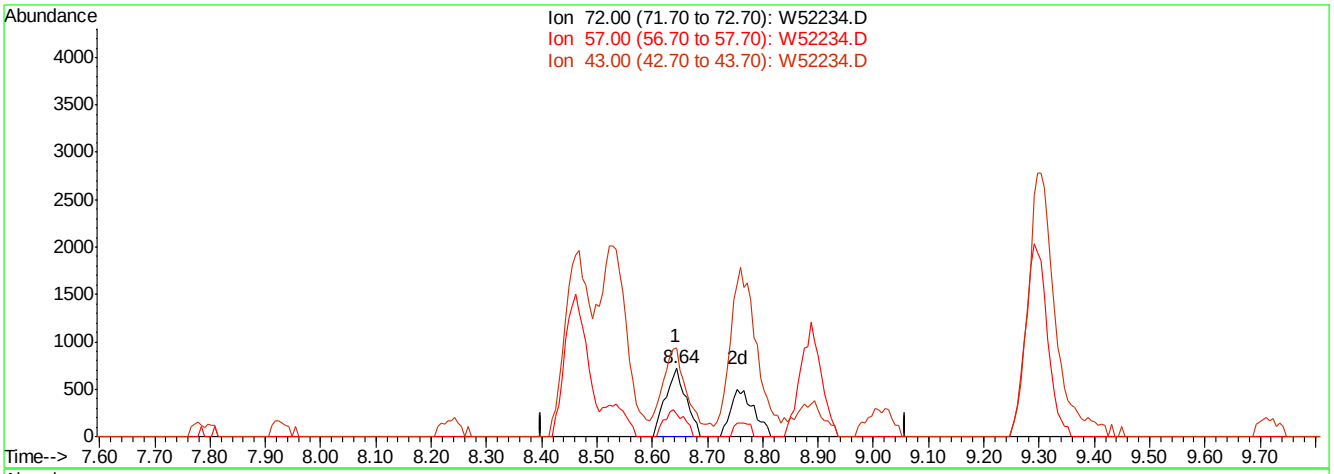
Sample Number:	JC7272-6	**Method:**	TO-15
Lab FileID:	W52234.D	**Analyst approved:**	10/30/15 14:24 Youmin Hu
Injection Time:	10/30/15 05:09	**Supervisor approved:**	11/03/15 17:14 Dana Tryon

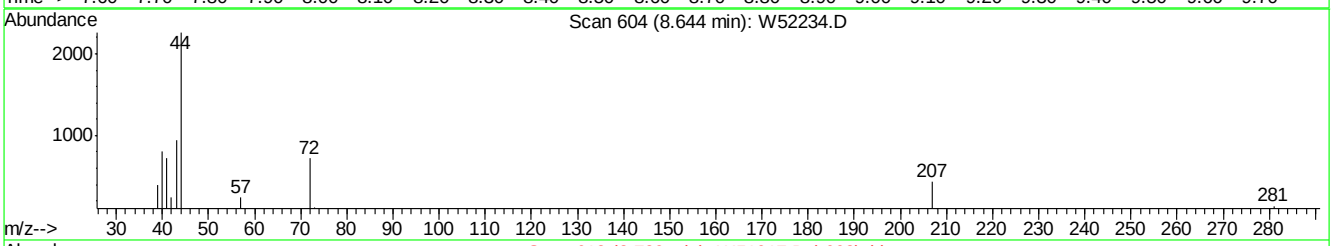
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		8.75	Missed peak

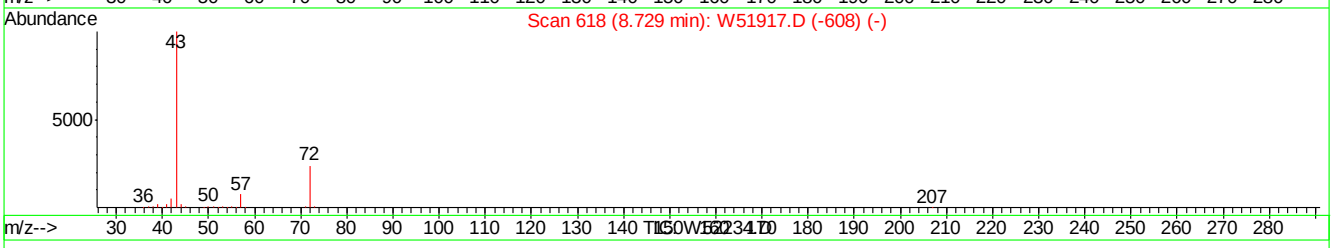
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52234.D Vial: 9
Acq On : 30 Oct 2015 5:09 am Operator: youminh
Sample : JC7272-6 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 12:14 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration







(39) METHYL ETHYL KETONE

8.64min 0.33PPBV

response 1867

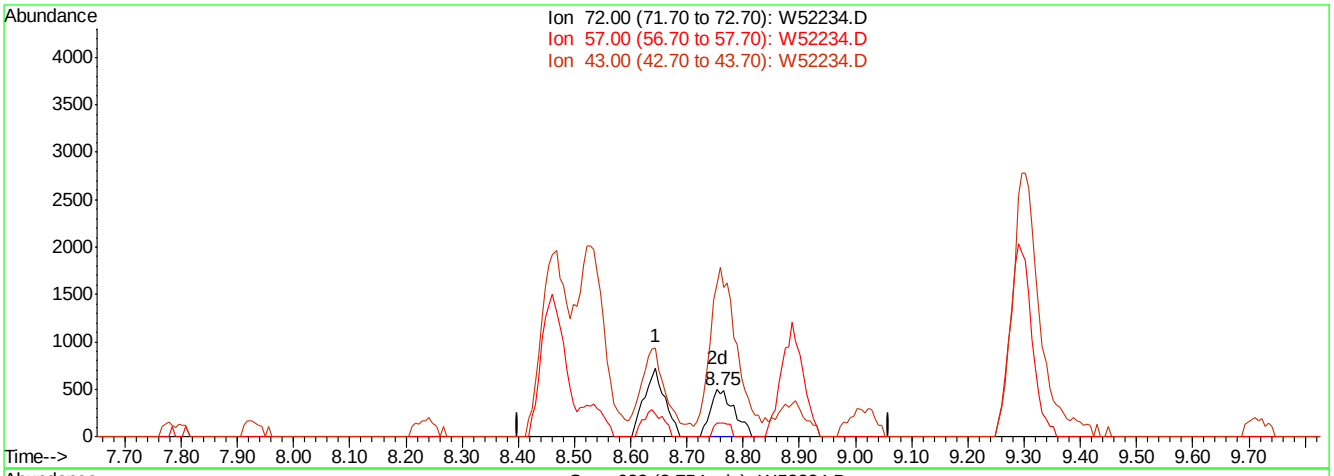
Ion	Exp%	Act%
72.00	100	100
57.00	30.60	33.24
43.00	382.90	129.78#
0.00	0.00	0.00

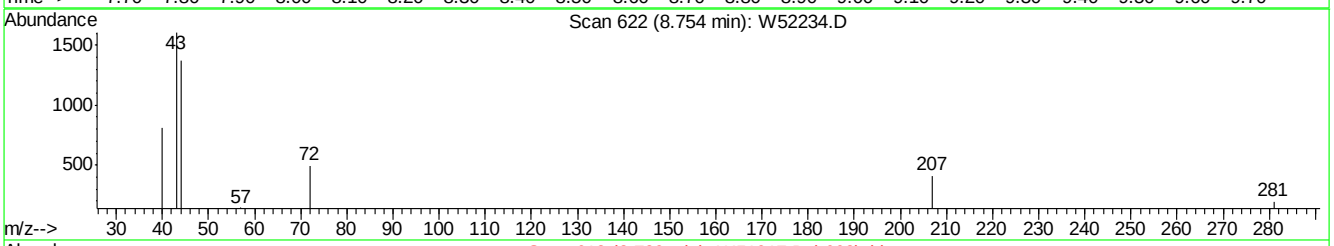
W52234.D MW2080.M Fri Oct 30 12:14:37 2015 MSW

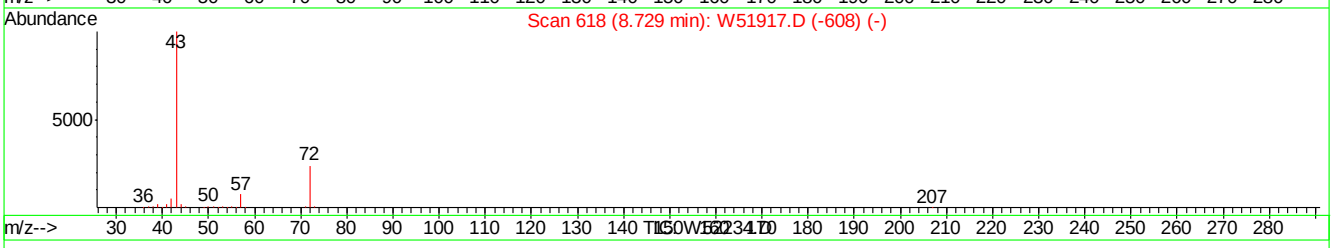
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52234.D Vial: 9
Acq On : 30 Oct 2015 5:09 am Operator: youminh
Sample : JC7272-6 Inst : MSW
Misc : MS93717,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 12:14 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration







(39) METHYL ETHYL KETONE

8.75min 0.25PPBV m

response 1446

Ion	Exp%	Act%
72.00	100	100
57.00	30.60	29.09
43.00	382.90	324.65#
0.00	0.00	0.00

W52234.D MW2080.M Fri Oct 30 12:14:48 2015 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52211.D Vial: 4
Acq On : 29 Oct 2015 12:51 pm Operator: youminh
Sample : MB Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:05:30 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	99674	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.00	114	501526	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	218891	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.89	95	211255	8.83	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 88.30%

Target Compounds Qvalue

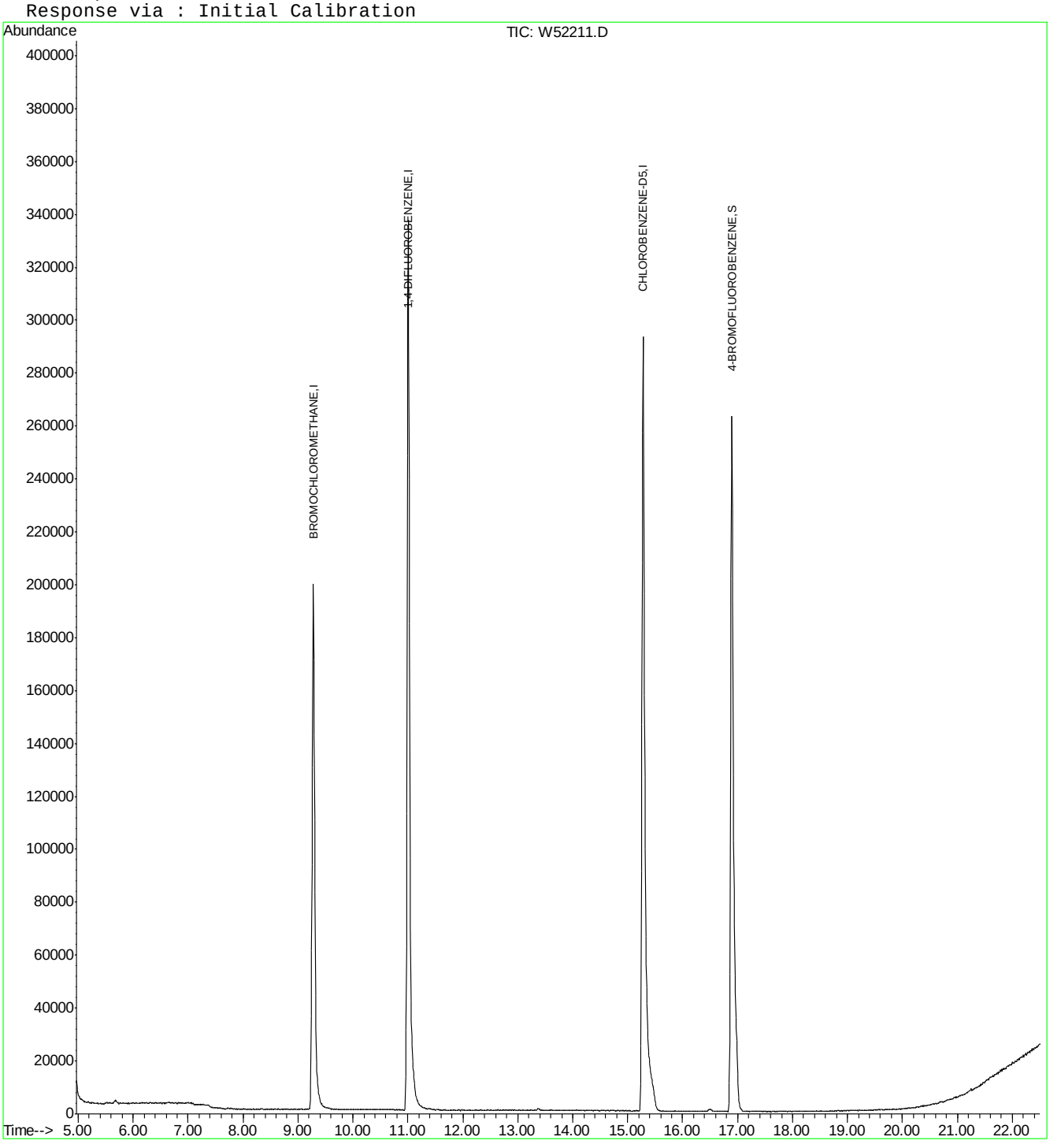
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52211.D
Acq On : 29 Oct 2015 12:51 pm
Sample : MB
Misc : MS93584,VW2086,,,,,1
MS Integration Params: rteint.p
Quant Time: Oct 30 12:20 2015

Vial: 4
Operator: youminh
Inst : MSW
Multiplr: 1.00
Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52241.D Vial: 4
Acq On : 30 Oct 2015 12:59 pm Operator: youminh
Sample : MB Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:59 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	98611	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	448638	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	191069	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.89	95	181357	8.68	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 86.80%

Target Compounds Qvalue

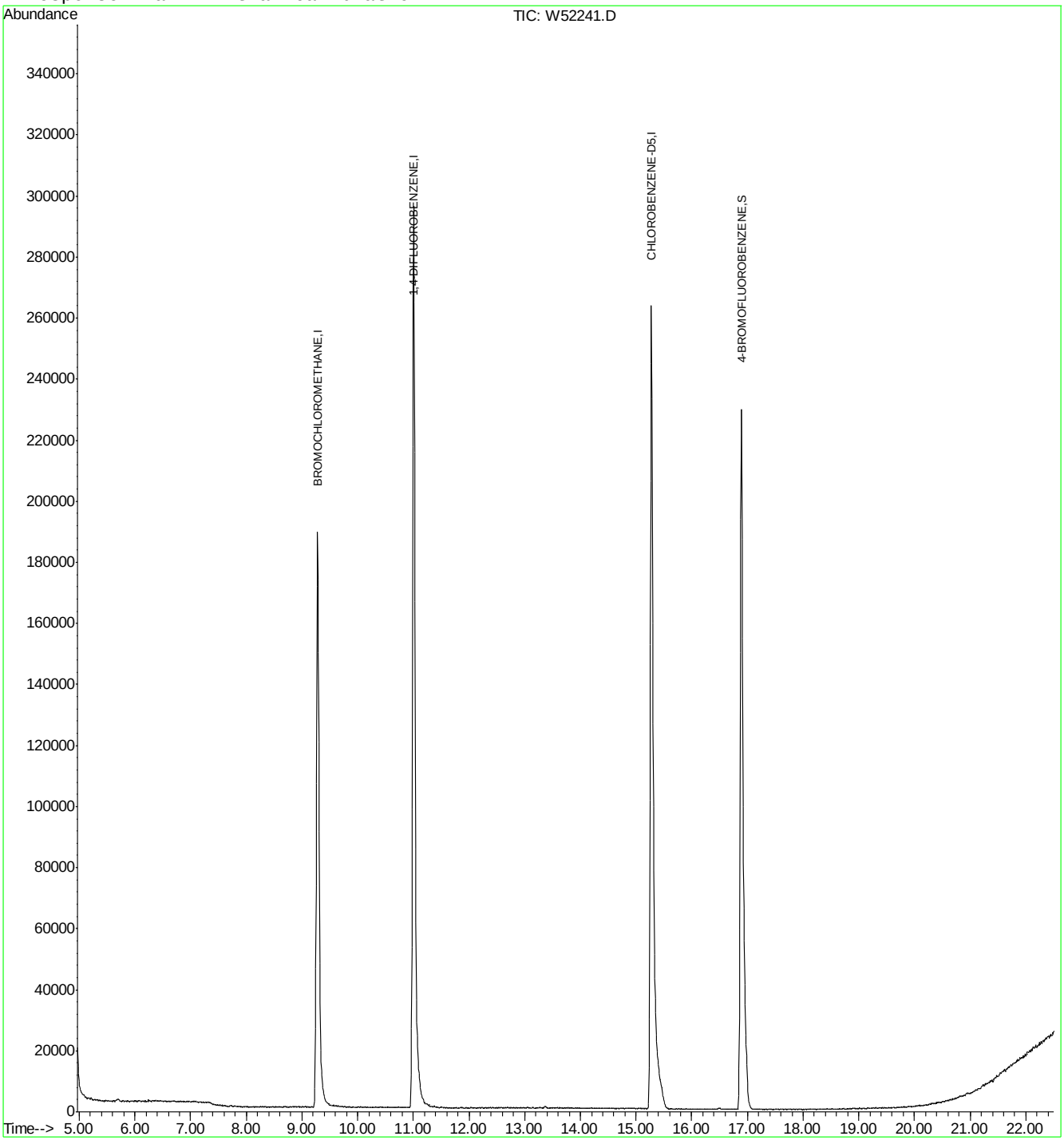
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52241.D
Acq On : 30 Oct 2015 12:59 pm
Sample : MB
Misc : MS93717,VW2087,,,,,1
MS Integration Params: rteint.p
Quant Time: Nov 2 10:26 2015

Vial: 4
Operator: youminh
Inst : MSW
Multiplr: 1.00
Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50820.D Vial: 4
Acq On : 4 Nov 2015 1:32 pm Operator: YOUMINH
Sample : MB2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 16:14:20 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	133854	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	612367	10.00	PPBV	-0.01
71) CHLOROBENZENE-D5	12.83	82	238622	10.00	PPBV	0.00

System Monitoring Compounds

86) 4-BROMOFLUOROBENZENE	14.46	95	189605	8.16	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 81.60%

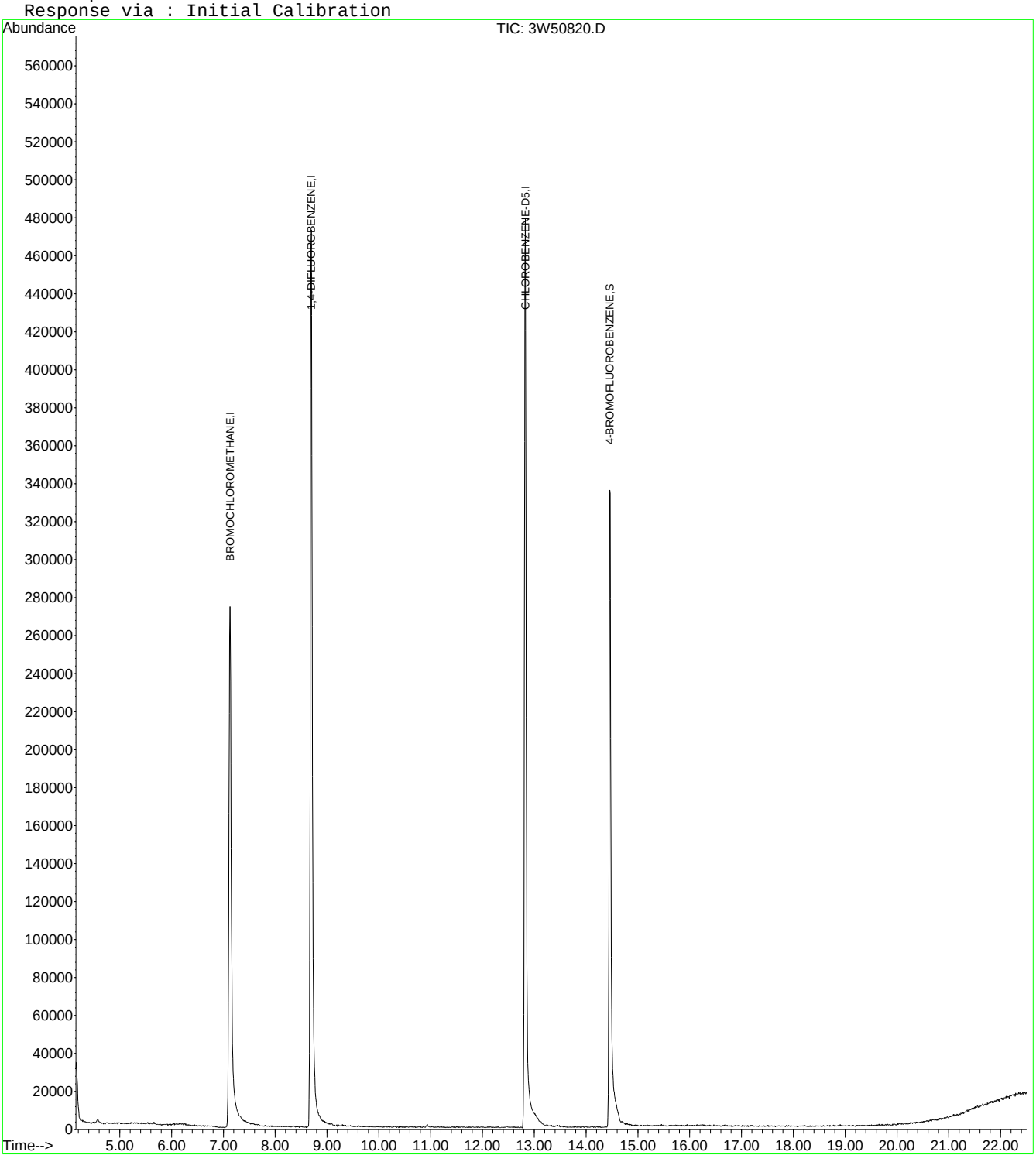
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50820.D M3W1928.M Wed Nov 04 16:21:32 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50820.D Vial: 4
Acq On : 4 Nov 2015 1:32 pm Operator: YOUMINH
Sample : MB2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14137.D
Acq On : 2 Oct 2015 2:12 pm
Operator : YOUMINH
Sample : MB
Misc : MS91996,v5w564,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 11:16:18 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	8.493	130	170409	10.00 ppb(v	#-0.03
53) 1,4-Difluorobenzene	10.653	114	642134	10.00 ppb(v	#-0.03
75) Chlorobenzene-d5	16.153	82	336738	10.00 ppb(v	#-0.04
106) Bromochloromethane (A)	8.493	130	170973	10.00 ppb(v	#-0.03
System Monitoring Compounds					
89) 4-Bromofluorobenzene	18.386	95	397092	9.93 ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.30%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

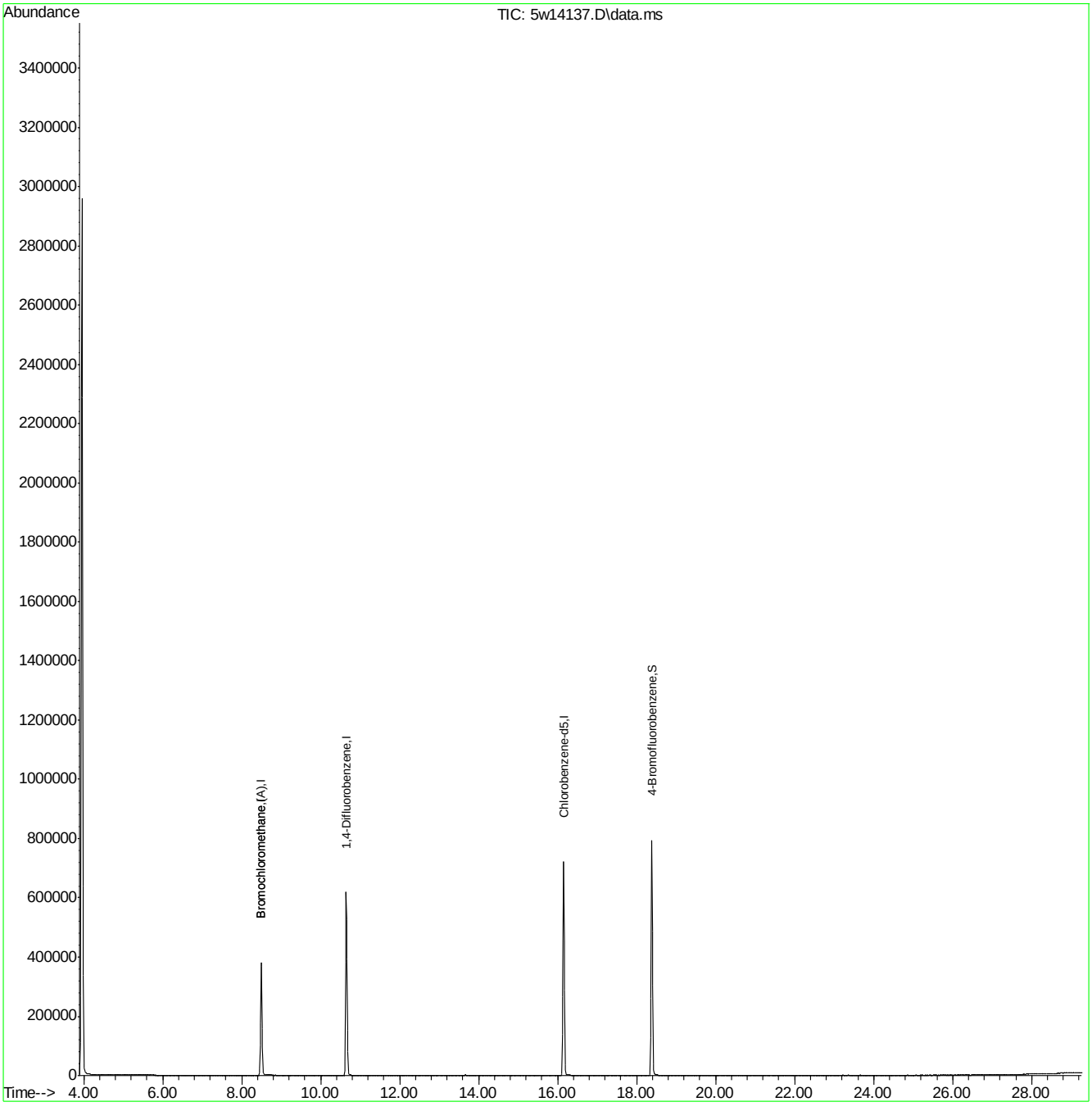
7.2.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14137.D
Acq On : 2 Oct 2015 2:12 pm
Operator : YOUMINH
Sample : MB
Misc : MS91996,v5w564,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 05 11:16:18 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14158.D
Acq On : 5 Oct 2015 12:36 pm
Operator : YOUMINH
Sample : MB
Misc : MS92139,v5w565,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 14:50:44 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	8.493	130	158807	10.00 ppb(v	#-0.03
53) 1,4-Difluorobenzene	10.647	114	587432	10.00 ppb(v	#-0.04
75) Chlorobenzene-d5	16.147	82	308092	10.00 ppb(v	-0.04
106) Bromochloromethane (A)	8.493	130	158807	10.00 ppb(v	#-0.03
System Monitoring Compounds					
89) 4-Bromofluorobenzene	18.380	95	360674	9.86 ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.60%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

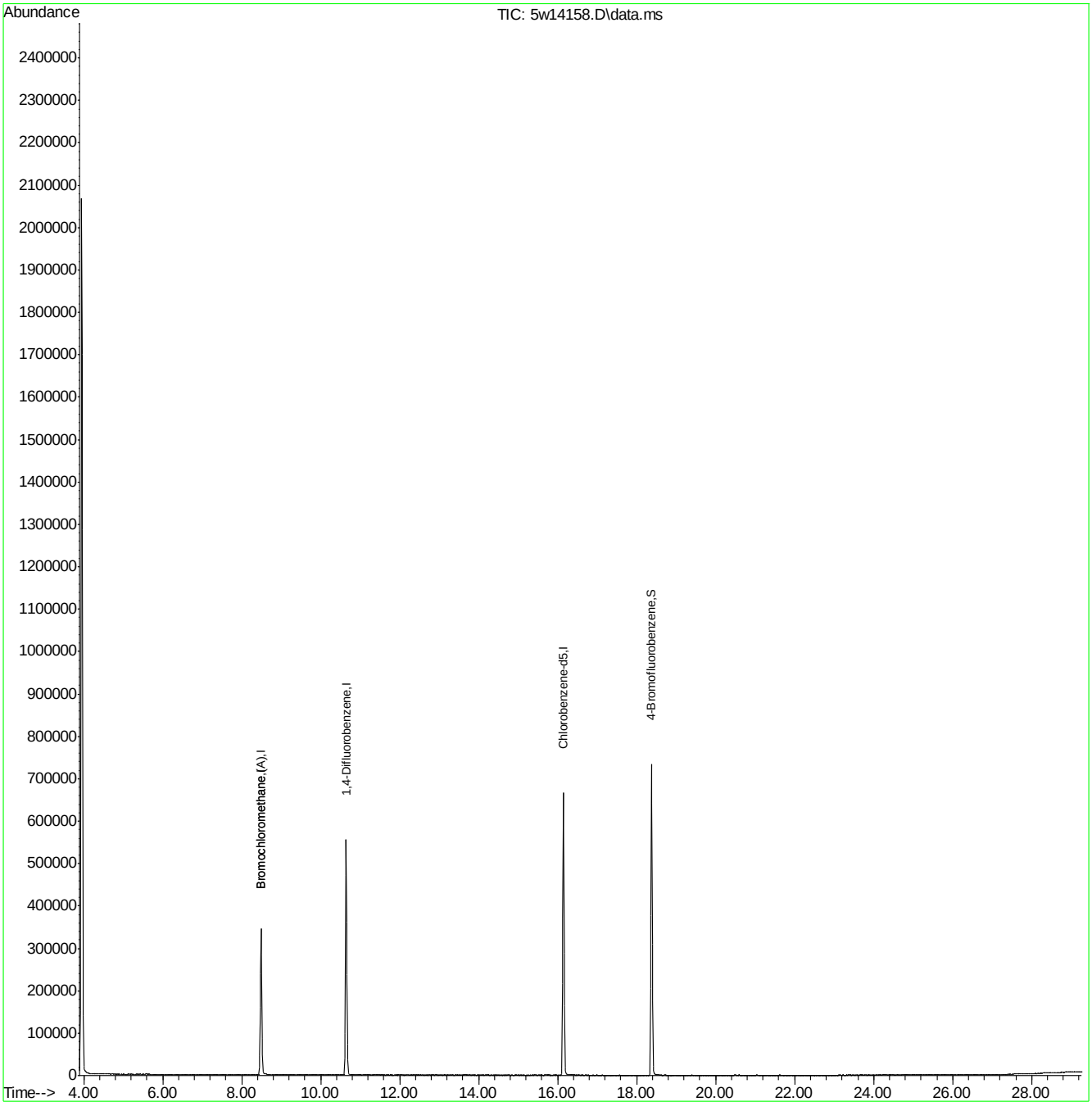
7.2.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14158.D
Acq On : 5 Oct 2015 12:36 pm
Operator : YOUMINH
Sample : MB
Misc : MS92139,v5w565,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 14:50:44 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50799.D Vial: 4
Acq On : 3 Nov 2015 1:11 pm Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS79337,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 09:32:05 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	142236	10.00	PPBV	-0.01
52) 1,4-DIFLUOROBENZENE	8.70	114	633260	10.00	PPBV	-0.01
71) CHLOROBENZENE-D5	12.83	82	247100	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.46	95	193022	8.02	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 80.20%

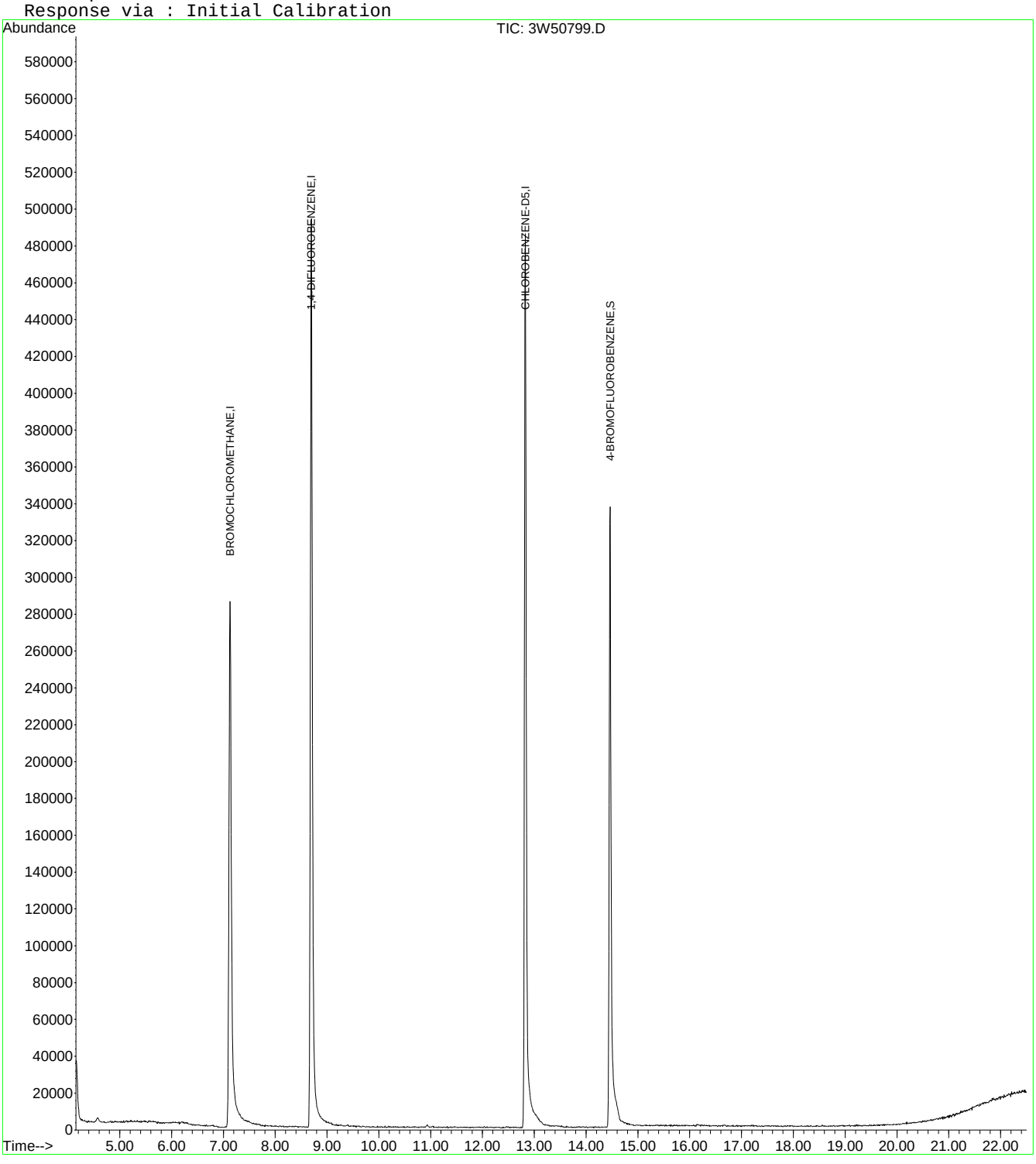
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50799.D M3W1928.M Wed Nov 04 12:19:46 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50799.D Vial: 4
Acq On : 3 Nov 2015 1:11 pm Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS79337,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 10:13 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52208.D Vial: 3
Acq On : 29 Oct 2015 10:40 am Operator: youminh
Sample : BS Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 09:36:18 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	99562	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	489458	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	239669	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	264721	10.10	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.00%			
Target Compounds						Qvalue
3) FREON 152A	5.10	65	91522	10.49	PPBV	99
4) CHLORODIFLUOROMETHANE	5.14	67	30881	10.54	PPBV	99
5) DICHLORODIFLUOROMETHANE	5.24	85	325482	9.93	PPBV	99
6) PROPYLENE	5.18	41	122864	9.74	PPBV	99
7) FREON 114	5.49	85	360273	9.98	PPBV	96
9) CHLOROMETHANE	5.40	52	44390	11.26	PPBV	100
10) VINYL CHLORIDE	5.60	62	160421	10.94	PPBV	100
11) 1,3-BUTADIENE	5.72	54	130351	11.22	PPBV	100
12) n-BUTANE	5.77	58	36440	11.22	PPBV	98
13) BROMOMETHANE	5.98	94	125465	10.66	PPBV	99
14) CHLOROETHANE	6.13	64	86312	10.96	PPBV	98
15) DICHLOROFLUOROMETHANE	6.19	67	303945	10.42	PPBV	100
16) ACROLEIN	6.52	56	64749	10.46	PPBV	99
17) TRICHLOROFLUOROMETHANE	6.78	101	282310	9.54	PPBV	100
18) ISOPROPYL ALCOHOL	6.82	45	265781	9.75	PPBV	99
19) ACETONE	6.63	58	75540	10.29	PPBV	95
21) ACRYLONITRILE	7.02	53	121694	11.17	PPBV	100
22) PENTANE	7.06	57	42983	10.48	PPBV	96
23) IODOMETHANE	7.28	142	304511	9.65	PPBV	100
24) 1,1-DICHLOROETHYLENE	7.32	96	134263	9.29	PPBV	97
25) CARBON DISULFIDE	7.72	76	408050	10.13	PPBV	100
26) ETHANOL	6.21	45	65957	10.51	PPBV	99
27) ACETONITRILE	6.41	41	129150	10.32	PPBV	98
28) BROMOETHENE	6.43	106	123158	10.44	PPBV	99
29) METHYLENE CHLORIDE	7.42	84	127696	10.32	PPBV	97
30) 3-CHLOROPROPENE	7.52	76	67992	10.55	PPBV	94
31) FREON 113	7.63	151	199676	9.48	PPBV	94
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	136474	9.59	PPBV	98
33) TERTIARY BUTYL ALCOHOL	7.33	59	272714	9.44	PPBV	98
34) METHYL TERTIARY BUTYL ETHE	8.44	73	375533	10.02	PPBV	98
35) TETRAHYDROFURAN	9.78	72	68801	10.82	PPBV	98
36) HEXANE	9.28	57	246011	10.31	PPBV	99
37) VINYL ACETATE	8.49	86	38026	10.96	PPBV #	93
38) 1,1-DICHLOROETHANE	8.40	63	253921	10.38	PPBV	99
39) METHYL ETHYL KETONE	8.74	72	69513	10.64	PPBV	100
40) cis-1,2-DICHLOROETHYLENE	9.13	96	143896	9.71	PPBV	99
41) DI-ISOPROPYL ETHER	9.27	87	119766	10.20	PPBV	98
42) ETHYL ACETATE	9.28	61	51027	11.04	PPBV	98
43) METHYL ACRYLATE	9.29	55	277459	10.74	PPBV	99
44) CHLOROFORM	9.39	83	261768	10.19	PPBV	99
45) 2,4-DIMETHYLPENTANE	10.08	57	276988	10.41	PPBV	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52208.D Vial: 3
Acq On : 29 Oct 2015 10:40 am Operator: youminh
Sample : BS Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 09:36:18 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.30	97	248037	9.81	PPBV		99
47)	CARBON TETRACHLORIDE	10.86	117	242739	9.47	PPBV		100
48)	1,2-DICHLOROETHANE	10.06	62	156898	10.74	PPBV		100
50)	BENZENE	10.72	78	446587	10.74	PPBV		100
51)	CYCLOHEXANE	10.98	84	197767	10.12	PPBV		97
52)	2,3-DIMETHYLPENTANE	11.16	71	104523	11.17	PPBV		99
53)	TRICHLOROETHYLENE	11.69	95	179324	10.75	PPBV		98
54)	DIBROMOMETHANE	11.46	174	154819	10.62	PPBV		95
55)	1,2-DICHLOROPROPANE	11.48	63	173367	11.29	PPBV		97
56)	ETHYL ACRYLATE	11.42	55	306632	11.09	PPBV		99
57)	BROMODICHLOROMETHANE	11.66	83	288825	10.68	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	745572	10.70	PPBV		99
59)	1,4-DIOXANE	11.71	88	85138	10.81	PPBV	#	82
60)	METHYL METHACRYLATE	11.84	69	162914	11.30	PPBV		97
61)	HEPTANE	11.92	43	267596	10.62	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.53	43	283937	10.39	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.50	75	249323	10.88	PPBV		99
64)	TOLUENE	13.47	92	314937	11.24	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	13.00	75	207126	11.33	PPBV		99
66)	1,1,2-TRICHLOROETHANE	13.19	83	147032	11.41	PPBV		97
68)	ETHYL METHACRYLATE	13.69	69	251689	10.54	PPBV		98
69)	2-HEXANONE	13.70	58	157810	10.54	PPBV		99
70)	TETRACHLOROETHYLENE	14.62	164	184331	10.23	PPBV		100
71)	DIBROMOCHLOROMETHANE	13.91	129	275989	10.61	PPBV		100
72)	1,2-DIBROMOETHANE	14.17	107	238544	11.41	PPBV		100
73)	OCTANE	14.41	43	372255	10.70	PPBV		98
74)	1,1,1,2-TETRACHLOROETHANE	15.30	131	199481	10.54	PPBV		97
75)	CHLOROBENZENE	15.33	112	386491	10.50	PPBV		98
76)	ETHYLBENZENE	15.70	91	624852	10.53	PPBV		100
77)	m,p-XYLENE	15.90	106	512033	21.43	PPBV		99
78)	o-XYLENE	16.40	106	242220	11.27	PPBV		99
79)	STYRENE	16.29	104	387762	11.39	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.54	75	262408	10.67	PPBV		98
81)	NONANE	16.58	43	392462	11.78	PPBV		98
82)	BROMOFORM	16.01	173	255278	10.56	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	368626	11.08	PPBV		99
85)	ISOPROPYLBENZENE	17.02	105	702946	10.51	PPBV		99
86)	BROMOBENZENE	17.14	156	198604	10.73	PPBV		95
87)	2-CHLOROTOLUENE	17.54	126	161918	10.58	PPBV	#	77
88)	n-PROPYLBENZENE	17.57	120	187579	10.91	PPBV		96
89)	4-ETHYLTOLUENE	17.73	105	610537	11.19	PPBV		99
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	557197	10.48	PPBV		100
91)	ALPHA-METHYLSTYRENE	17.98	118	261849	11.44	PPBV		100
92)	TERT-BUTYLBENZENE	18.25	134	131408	10.65	PPBV		97
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	524826	10.96	PPBV		99
94)	m-DICHLOROBENZENE	18.45	146	290882	10.40	PPBV		100
95)	BENZYL CHLORIDE	18.42	91	391930	10.91	PPBV		99
96)	p-DICHLOROBENZENE	18.52	146	309668	10.53	PPBV		99
97)	SEC-BUTYLBENZENE	18.55	134	153280	10.54	PPBV		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52208.D Vial: 3
Acq On : 29 Oct 2015 10:40 am Operator: youminh
Sample : BS Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 09:36:18 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

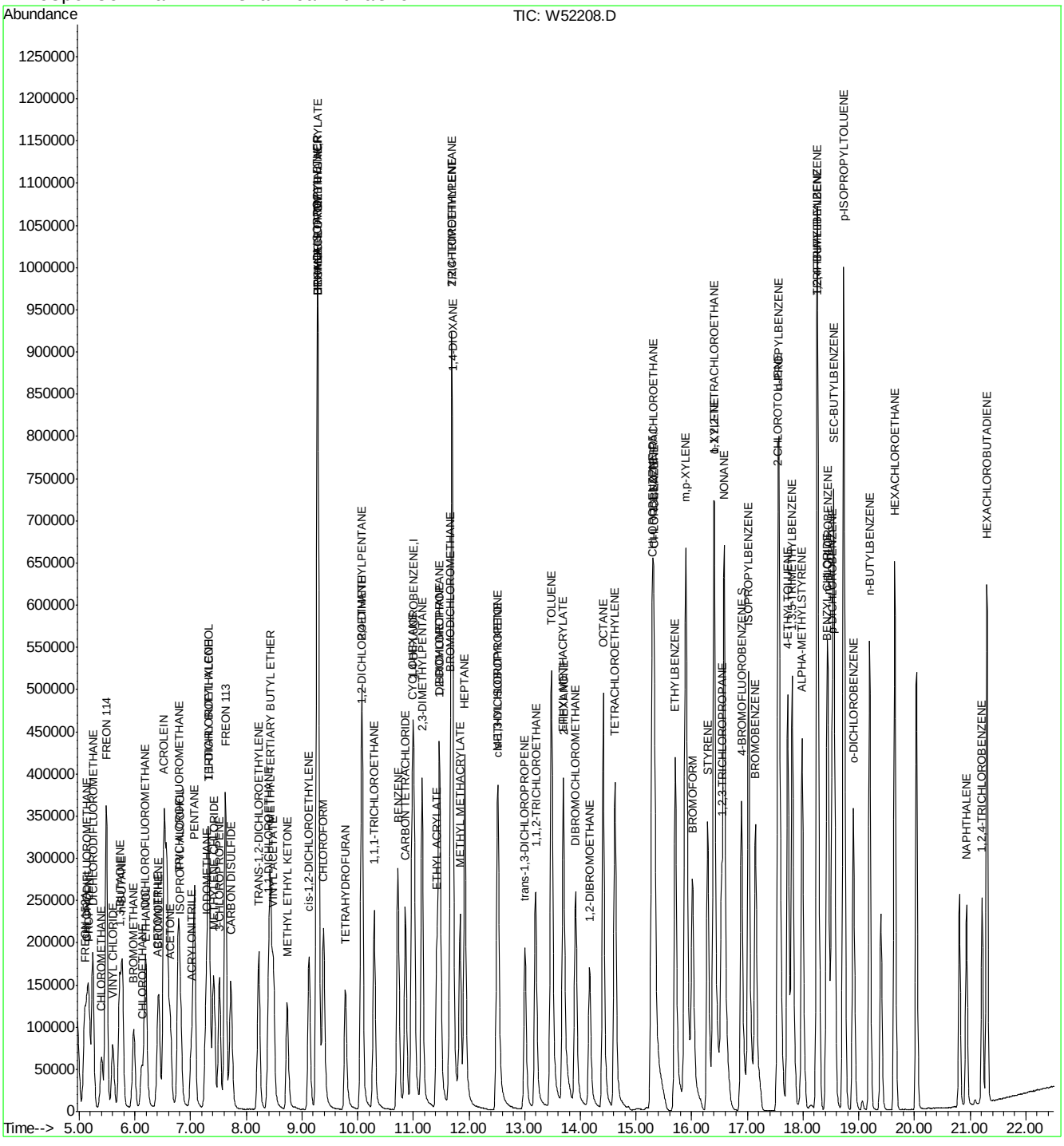
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	159927	10.58	PPBV	96
99)	o-DICHLOROBENZENE	18.90	146	276796	10.29	PPBV	100
100)	n-BUTYLBENZENE	19.20	134	135305	10.79	PPBV	91
101)	HEXACHLOROETHANE	19.65	201	187315	10.37	PPBV	94
102)	HEXACHLOROBUTADIENE	21.30	225	172239	8.64	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.21	180	117033	8.70	PPBV	99
104)	NAPHTHALENE	20.93	128	275539	8.86	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52208.D Vial: 3
Acq On : 29 Oct 2015 10:40 am Operator: youminh
Sample : BS Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 10:24 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52209.D Vial: 3
Acq On : 29 Oct 2015 11:21 am Operator: youminh
Sample : BSD Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 09:36:22 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	101953	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	502661	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	246518	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.89	95	270289	10.03	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 100.30%

Target Compounds						Qvalue
3) FREON 152A	5.10	65	91597	10.26	PPBV	99
4) CHLORODIFLUOROMETHANE	5.14	67	30566	10.19	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	325930	9.71	PPBV	99
6) PROPYLENE	5.18	41	121745	9.42	PPBV	99
7) FREON 114	5.49	85	362873	9.82	PPBV	96
9) CHLOROMETHANE	5.40	52	44111	10.92	PPBV	99
10) VINYL CHLORIDE	5.60	62	159835	10.65	PPBV	100
11) 1,3-BUTADIENE	5.73	54	131485	11.05	PPBV	99
12) n-BUTANE	5.77	58	36211	10.89	PPBV	97
13) BROMOMETHANE	5.98	94	125022	10.37	PPBV	100
14) CHLOROETHANE	6.13	64	86556	10.73	PPBV	99
15) DICHLOROFLUOROMETHANE	6.19	67	306389	10.26	PPBV	100
16) ACROLEIN	6.52	56	65450	10.33	PPBV	98
17) TRICHLOROFLUOROMETHANE	6.78	101	284479	9.39	PPBV	100
18) ISOPROPYL ALCOHOL	6.82	45	270519	9.69	PPBV	99
19) ACETONE	6.63	58	75300	10.02	PPBV	92
21) ACRYLONITRILE	7.02	53	121391	10.88	PPBV	100
22) PENTANE	7.07	57	42949	10.23	PPBV	96
23) IODOMETHANE	7.28	142	310475	9.61	PPBV	99
24) 1,1-DICHLOROETHYLENE	7.33	96	136018	9.19	PPBV	97
25) CARBON DISULFIDE	7.72	76	409754	9.94	PPBV	100
26) ETHANOL	6.21	45	67149	10.45	PPBV	100
27) ACETONITRILE	6.41	41	128160	10.00	PPBV	99
28) BROMOETHENE	6.43	106	123865	10.25	PPBV	99
29) METHYLENE CHLORIDE	7.42	84	129494	10.22	PPBV	99
30) 3-CHLOROPROPENE	7.52	76	69138	10.48	PPBV	96
31) FREON 113	7.63	151	203720	9.45	PPBV	94
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	137372	9.43	PPBV	98
33) TERTIARY BUTYL ALCOHOL	7.33	59	279536	9.45	PPBV	98
34) METHYL TERTIARY BUTYL ETHE	8.44	73	376504	9.81	PPBV	99
35) TETRAHYDROFURAN	9.78	72	69763	10.72	PPBV	100
36) HEXANE	9.28	57	248832	10.19	PPBV	99
37) VINYL ACETATE	8.49	86	38426	10.82	PPBV #	95
38) 1,1-DICHLOROETHANE	8.40	63	258239	10.31	PPBV	100
39) METHYL ETHYL KETONE	8.74	72	69674	10.42	PPBV	99
40) cis-1,2-DICHLOROETHYLENE	9.13	96	145291	9.57	PPBV	98
41) DI-ISOPROPYL ETHER	9.27	87	120483	10.02	PPBV	98
42) ETHYL ACETATE	9.28	61	50139	10.60	PPBV #	92
43) METHYL ACRYLATE	9.29	55	277258	10.48	PPBV	99
44) CHLOROFORM	9.39	83	264443	10.05	PPBV	100
45) 2,4-DIMETHYLPENTANE	10.08	57	280681	10.31	PPBV	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52209.D Vial: 3
Acq On : 29 Oct 2015 11:21 am Operator: youminh
Sample : BSD Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 09:36:22 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.30	97	249644	9.64	PPBV		99
47)	CARBON TETRACHLORIDE	10.86	117	244582	9.32	PPBV		100
48)	1,2-DICHLOROETHANE	10.06	62	156646	10.47	PPBV		100
50)	BENZENE	10.72	78	450388	10.55	PPBV		100
51)	CYCLOHEXANE	10.98	84	201948	10.07	PPBV		97
52)	2,3-DIMETHYLPENTANE	11.16	71	105282	10.96	PPBV		98
53)	TRICHLOROETHYLENE	11.69	95	179559	10.48	PPBV		98
54)	DIBROMOMETHANE	11.46	174	155760	10.41	PPBV		95
55)	1,2-DICHLOROPROPANE	11.47	63	174161	11.04	PPBV		97
56)	ETHYL ACRYLATE	11.42	55	304096	10.70	PPBV		99
57)	BROMODICHLOROMETHANE	11.66	83	290460	10.46	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	754783	10.55	PPBV		99
59)	1,4-DIOXANE	11.70	88	86975	10.76	PPBV		99
60)	METHYL METHACRYLATE	11.84	69	161397	10.90	PPBV		99
61)	HEPTANE	11.92	43	268449	10.38	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.52	43	284668	10.14	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.50	75	250526	10.65	PPBV		100
64)	TOLUENE	13.47	92	316192	10.99	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	13.00	75	205541	10.94	PPBV		99
66)	1,1,2-TRICHLOROETHANE	13.19	83	145408	10.99	PPBV		99
68)	ETHYL METHACRYLATE	13.69	69	251224	10.23	PPBV		98
69)	2-HEXANONE	13.70	58	159714	10.37	PPBV		99
70)	TETRACHLOROETHYLENE	14.62	164	185487	10.01	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.91	129	274811	10.27	PPBV		100
72)	1,2-DIBROMOETHANE	14.17	107	238990	11.11	PPBV		99
73)	OCTANE	14.41	43	370290	10.35	PPBV		98
74)	1,1,1,2-TETRACHLOROETHANE	15.30	131	198769	10.21	PPBV		96
75)	CHLOROBENZENE	15.33	112	384129	10.15	PPBV		98
76)	ETHYLBENZENE	15.70	91	616498	10.10	PPBV		100
77)	m,p-XYLENE	15.89	106	508924	20.71	PPBV		99
78)	o-XYLENE	16.40	106	239961	10.86	PPBV		99
79)	STYRENE	16.29	104	384822	10.99	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.54	75	258125	10.20	PPBV		98
81)	NONANE	16.58	43	384738	11.23	PPBV		98
82)	BROMOFORM	16.01	173	251736	10.13	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	361752	10.57	PPBV		99
85)	ISOPROPYLBENZENE	17.02	105	689581	10.03	PPBV		99
86)	BROMOBENZENE	17.14	156	195162	10.25	PPBV		95
87)	2-CHLOROTOLUENE	17.55	126	158874	10.09	PPBV	#	82
88)	n-PROPYLBENZENE	17.57	120	182831	10.34	PPBV		95
89)	4-ETHYLTOLUENE	17.72	105	579646	10.33	PPBV		98
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	560001	10.24	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.98	118	254980	10.83	PPBV		99
92)	TERT-BUTYLBENZENE	18.25	134	126717	9.99	PPBV		95
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	510984	10.38	PPBV		99
94)	m-DICHLOROBENZENE	18.45	146	283038	9.84	PPBV		100
95)	BENZYL CHLORIDE	18.42	91	377564	10.22	PPBV		99
96)	p-DICHLOROBENZENE	18.52	146	297480	9.84	PPBV		99
97)	SEC-BUTYLBENZENE	18.55	134	148456	9.92	PPBV		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52209.D Vial: 3
Acq On : 29 Oct 2015 11:21 am Operator: youminh
Sample : BSD Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 09:36:22 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	154165	9.92	PPBV	96
99)	o-DICHLOROBENZENE	18.90	146	267890	9.68	PPBV	99
100)	n-BUTYLBENZENE	19.20	134	129868	10.07	PPBV	91
101)	HEXACHLOROETHANE	19.65	201	183804	9.89	PPBV	95
102)	HEXACHLOROBUTADIENE	21.30	225	168684	8.23	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.21	180	111794	8.08	PPBV	99
104)	NAPHTHALENE	20.93	128	266253	8.33	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

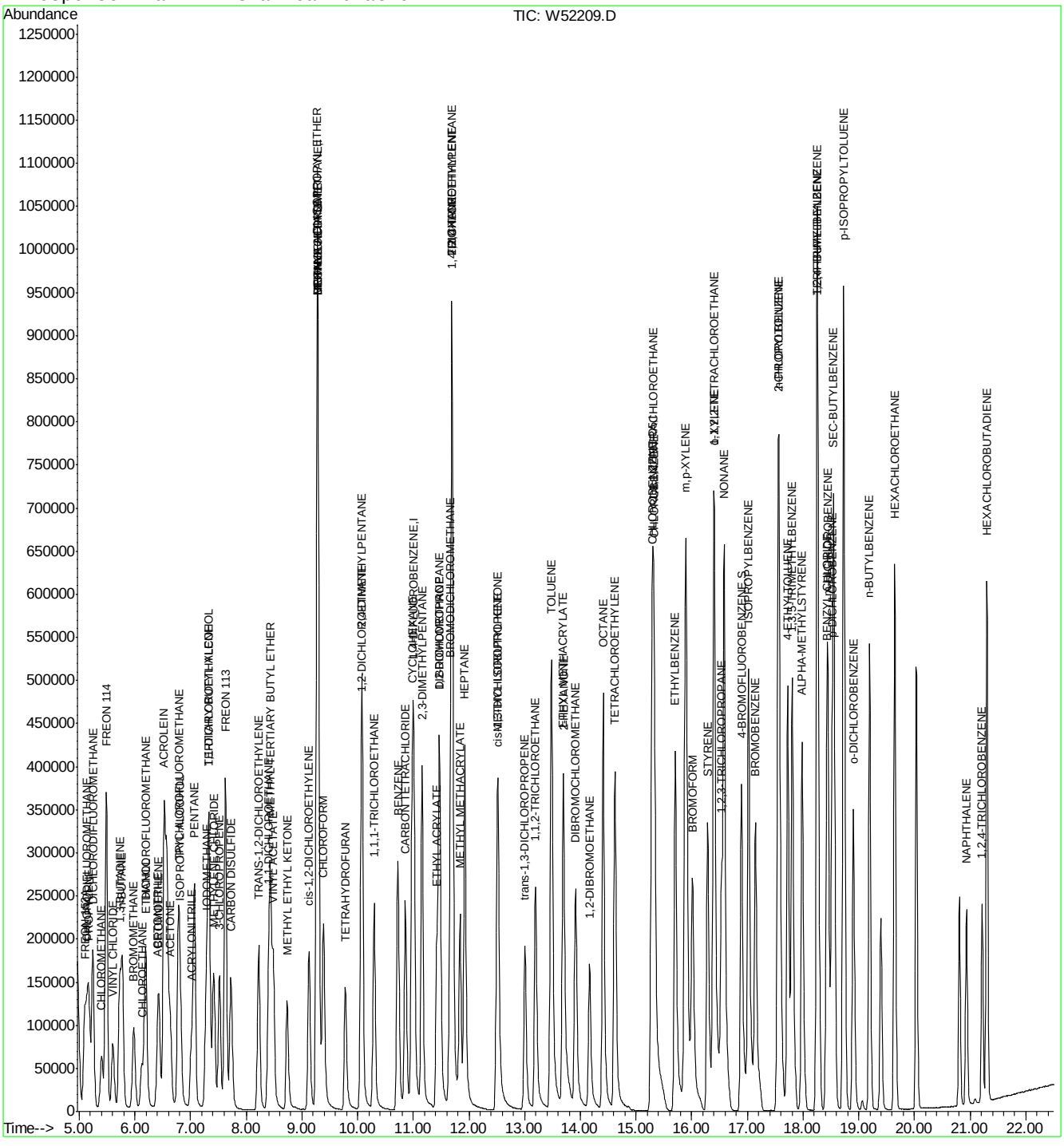
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52209.D
Acq On : 29 Oct 2015 11:21 am
Sample : BSD
Misc : MS93584,VW2086,,,,,1
MS Integration Params: rteint.p
Quant Time: Oct 30 10:24 2015

Vial: 3
Operator: youminh
Inst : MSW
Multiplr: 1.00

Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52237.D Vial: 3
Acq On : 30 Oct 2015 10:05 am Operator: youminh
Sample : BS Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:44 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	84799	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.00	114	410107	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	194930	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	217885	10.22	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.20%			
Target Compounds						Qvalue
3) FREON 152A	5.09	65	83206	11.20	PPBV	97
4) CHLORODIFLUOROMETHANE	5.13	67	26656	10.68	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	295569	10.58	PPBV	99
6) PROPYLENE	5.17	41	107243	9.98	PPBV	98
7) FREON 114	5.48	85	339765	11.05	PPBV	99
9) CHLOROMETHANE	5.40	52	41270	12.29	PPBV	98
10) VINYL CHLORIDE	5.60	62	148938	11.93	PPBV	100
11) 1,3-BUTADIENE	5.72	54	114572	11.58	PPBV	98
12) n-BUTANE	5.77	58	33292	12.04	PPBV	92
13) BROMOMETHANE	5.97	94	119476	11.91	PPBV	100
14) CHLOROETHANE	6.12	64	76047	11.34	PPBV	99
15) DICHLOROFLUOROMETHANE	6.18	67	262986	10.59	PPBV	100
16) ACROLEIN	6.52	56	54716	10.38	PPBV	99
17) TRICHLOROFLUOROMETHANE	6.77	101	254936	10.12	PPBV	100
18) ISOPROPYL ALCOHOL	6.81	45	211587	9.11	PPBV	100
19) ACETONE	6.63	58	63292	10.12	PPBV	97
21) ACRYLONITRILE	7.01	53	101070	10.89	PPBV	99
22) PENTANE	7.06	57	36171	10.35	PPBV	97
23) IODOMETHANE	7.27	142	280126	10.42	PPBV	98
24) 1,1-DICHLOROETHYLENE	7.31	96	118863	9.65	PPBV	98
25) CARBON DISULFIDE	7.72	76	365745	10.67	PPBV	99
26) ETHANOL	6.20	45	55284	10.35	PPBV	99
27) ACETONITRILE	6.40	41	105511	9.90	PPBV	99
28) BROMOETHENE	6.42	106	116187	11.56	PPBV	100
29) METHYLENE CHLORIDE	7.41	84	111128	10.55	PPBV	95
30) 3-CHLOROPROPENE	7.51	76	59942	10.92	PPBV	98
31) FREON 113	7.62	151	182788	10.19	PPBV	98
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	120436	9.94	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.33	59	227664	9.25	PPBV	98
34) METHYL TERTIARY BUTYL ETHE	8.43	73	319001	9.99	PPBV	99
35) TETRAHYDROFURAN	9.78	72	58803	10.86	PPBV	98
36) HEXANE	9.28	57	206323	10.15	PPBV	98
37) VINYL ACETATE	8.48	86	33230	11.25	PPBV #	94
38) 1,1-DICHLOROETHANE	8.39	63	220577	10.59	PPBV	100
39) METHYL ETHYL KETONE	8.73	72	59899	10.77	PPBV	96
40) cis-1,2-DICHLOROETHYLENE	9.13	96	127309	10.08	PPBV	99
41) DI-ISOPROPYL ETHER	9.27	87	103126	10.31	PPBV	100
42) ETHYL ACETATE	9.28	61	41976	10.67	PPBV #	78
43) METHYL ACRYLATE	9.28	55	229274	10.42	PPBV	99
44) CHLOROFORM	9.38	83	227902	10.41	PPBV	100
45) 2,4-DIMETHYLPENTANE	10.07	57	233792	10.32	PPBV	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52237.D Vial: 3
Acq On : 30 Oct 2015 10:05 am Operator: youminh
Sample : BS Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:44 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.29	97	217262	10.09	PPBV		100
47)	CARBON TETRACHLORIDE	10.86	117	215917	9.89	PPBV		100
48)	1,2-DICHLOROETHANE	10.06	62	132349	10.63	PPBV		99
50)	BENZENE	10.72	78	390266	11.20	PPBV		100
51)	CYCLOHEXANE	10.97	84	173365	10.59	PPBV		100
52)	2,3-DIMETHYLPENTANE	11.16	71	89854	11.46	PPBV		99
53)	TRICHLOROETHYLENE	11.69	95	156249	11.18	PPBV		99
54)	DIBROMOMETHANE	11.45	174	140788	11.53	PPBV		98
55)	1,2-DICHLOROPROPANE	11.47	63	147497	11.46	PPBV		98
56)	ETHYL ACRYLATE	11.42	55	250051	10.79	PPBV		99
57)	BROMODICHLOROMETHANE	11.66	83	250063	11.04	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.69	57	630926	10.81	PPBV		99
59)	1,4-DIOXANE	11.70	88	74505	11.29	PPBV	#	82
60)	METHYL METHACRYLATE	11.83	69	136846	11.33	PPBV		96
61)	HEPTANE	11.92	43	222988	10.56	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.52	43	225172	9.84	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.50	75	215623	11.23	PPBV		97
64)	TOLUENE	13.47	92	275131	11.72	PPBV		100
65)	trans-1,3-DICHLOROPROPENE	13.00	75	174871	11.41	PPBV		99
66)	1,1,2-TRICHLOROETHANE	13.19	83	127378	11.80	PPBV		99
68)	ETHYL METHACRYLATE	13.69	69	206410	10.63	PPBV		99
69)	2-HEXANONE	13.70	58	129393	10.62	PPBV		98
70)	TETRACHLOROETHYLENE	14.62	164	169306	11.56	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.91	129	245393	11.60	PPBV		100
72)	1,2-DIBROMOETHANE	14.16	107	211643	12.45	PPBV		100
73)	OCTANE	14.40	43	310443	10.98	PPBV		100
74)	1,1,1,2-TETRACHLOROETHANE	15.30	131	179296	11.65	PPBV		85
75)	CHLOROBENZENE	15.33	112	345469	11.54	PPBV		100
76)	ETHYLBENZENE	15.70	91	542260	11.23	PPBV		100
77)	m,p-XYLENE	15.89	106	454230	23.38	PPBV		98
78)	o-XYLENE	16.40	106	216004	12.36	PPBV		98
79)	STYRENE	16.28	104	346242	12.50	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.53	75	226819	11.34	PPBV		99
81)	NONANE	16.58	43	324691	11.98	PPBV		100
82)	BROMOFORM	16.01	173	233483	11.88	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.39	83	320991	11.86	PPBV		99
85)	ISOPROPYLBENZENE	17.01	105	625685	11.51	PPBV		100
86)	BROMOBENZENE	17.14	156	184062	12.22	PPBV		99
87)	2-CHLOROTOLUENE	17.54	126	146642	11.78	PPBV	#	89
88)	n-PROPYLBENZENE	17.56	120	166995	11.95	PPBV		99
89)	4-ETHYLTOLUENE	17.72	105	531940	11.99	PPBV		98
90)	1,3,5-TRIMETHYLBENZENE	17.80	105	505596	11.69	PPBV		99
91)	ALPHA-METHYLSTYRENE	17.98	118	234728	12.60	PPBV		99
92)	TERT-BUTYLBENZENE	18.25	134	119299	11.89	PPBV		99
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	463843	11.91	PPBV		100
94)	m-DICHLOROBENZENE	18.44	146	272350	11.98	PPBV		100
95)	BENZYL CHLORIDE	18.42	91	337140	11.54	PPBV		100
96)	p-DICHLOROBENZENE	18.51	146	279990	11.71	PPBV		99
97)	SEC-BUTYLBENZENE	18.55	134	138557	11.71	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52237.D Vial: 3
Acq On : 30 Oct 2015 10:05 am Operator: youminh
Sample : BS Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:44 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.72	134	144270	11.74	PPBV	98
99)	o-DICHLOROBENZENE	18.90	146	254214	11.62	PPBV	100
100)	n-BUTYLBENZENE	19.19	134	123197	12.08	PPBV	97
101)	HEXACHLOROETHANE	19.65	201	174661	11.89	PPBV	98
102)	HEXACHLOROBUTADIENE	21.30	225	160677	9.91	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.21	180	102036	9.32	PPBV	99
104)	NAPHTHALENE	20.93	128	243581	9.63	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

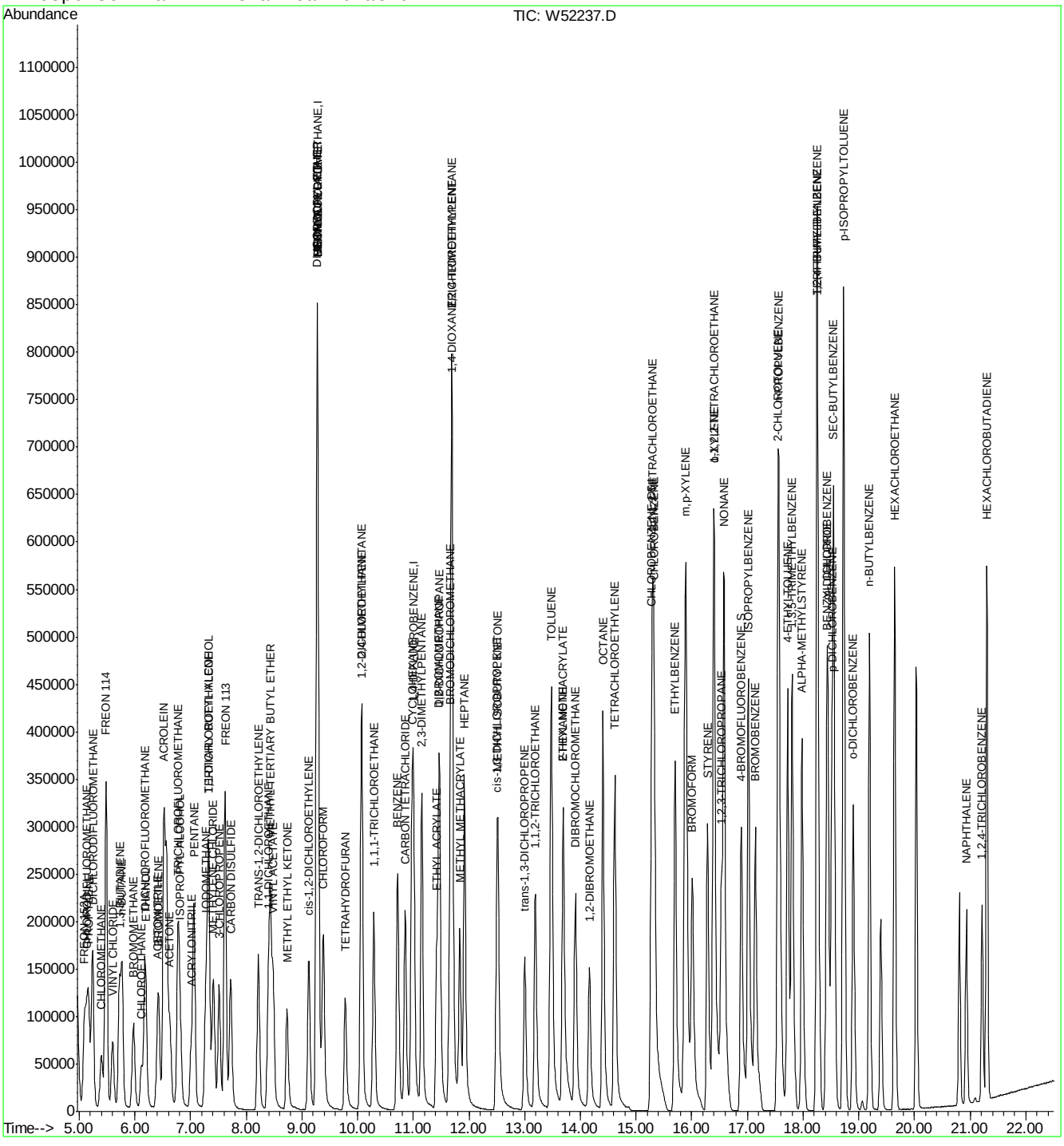
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52237.D
Acq On : 30 Oct 2015 10:05 am
Sample : BS
Misc : MS93717,VW2087,,,,,1
MS Integration Params: rteint.p
Quant Time: Nov 2 10:25 2015

Vial: 3
Operator: youminh
Inst : MSW
Multiplr: 1.00

Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52239.D Vial: 3
Acq On : 30 Oct 2015 11:34 am Operator: youminh
Sample : BSD Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:52 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	89246	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.00	114	437140	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	211024	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	241414	10.46	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.60%			
Target Compounds						Qvalue
3) FREON 152A	5.10	65	84202	10.77	PPBV	98
4) CHLORODIFLUOROMETHANE	5.14	67	26704	10.17	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	289792	9.86	PPBV	100
6) PROPYLENE	5.18	41	106834	9.45	PPBV	98
7) FREON 114	5.49	85	337909	10.44	PPBV	99
9) CHLOROMETHANE	5.40	52	39760	11.25	PPBV	94
10) VINYL CHLORIDE	5.61	62	146494	11.15	PPBV	99
11) 1,3-BUTADIENE	5.72	54	114884	11.03	PPBV	98
12) n-BUTANE	5.78	58	32879	11.30	PPBV	90
13) BROMOMETHANE	5.98	94	120565	11.42	PPBV	100
14) CHLOROETHANE	6.12	64	78505	11.12	PPBV	99
15) DICHLOROFLUOROMETHANE	6.19	67	269473	10.31	PPBV	100
16) ACROLEIN	6.52	56	53841	9.71	PPBV	100
17) TRICHLOROFLUOROMETHANE	6.78	101	259960	9.80	PPBV	100
18) ISOPROPYL ALCOHOL	6.82	45	208983	8.55	PPBV	99
19) ACETONE	6.63	58	63338	9.63	PPBV	97
21) ACRYLONITRILE	7.01	53	99326	10.17	PPBV	100
22) PENTANE	7.06	57	37543	10.21	PPBV	95
23) IODOMETHANE	7.28	142	292440	10.34	PPBV	98
24) 1,1-DICHLOROETHYLENE	7.32	96	122991	9.49	PPBV	99
25) CARBON DISULFIDE	7.72	76	367853	10.19	PPBV	99
26) ETHANOL	6.20	45	56051	9.97	PPBV	99
27) ACETONITRILE	6.41	41	101211	9.02	PPBV	97
28) BROMOETHENE	6.43	106	120363	11.38	PPBV	100
29) METHYLENE CHLORIDE	7.41	84	117212	10.57	PPBV	95
30) 3-CHLOROPROPENE	7.52	76	61288	10.61	PPBV	98
31) FREON 113	7.62	151	190294	10.08	PPBV	98
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	123460	9.68	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.33	59	232128	8.97	PPBV	99
34) METHYL TERTIARY BUTYL ETHE	8.44	73	317772	9.46	PPBV	99
35) TETRAHYDROFURAN	9.78	72	59281	10.40	PPBV	97
36) HEXANE	9.28	57	210146	9.83	PPBV	97
37) VINYL ACETATE	8.48	86	33375	10.74	PPBV #	93
38) 1,1-DICHLOROETHANE	8.40	63	223074	10.17	PPBV	100
39) METHYL ETHYL KETONE	8.74	72	59065	10.09	PPBV	95
40) cis-1,2-DICHLOROETHYLENE	9.13	96	129008	9.71	PPBV	99
41) DI-ISOPROPYL ETHER	9.27	87	101788	9.67	PPBV	99
42) ETHYL ACETATE	9.28	61	41190	9.95	PPBV #	85
43) METHYL ACRYLATE	9.28	55	227728	9.84	PPBV	99
44) CHLOROFORM	9.38	83	230398	10.00	PPBV	100
45) 2,4-DIMETHYLPENTANE	10.08	57	237892	9.98	PPBV	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52239.D Vial: 3
Acq On : 30 Oct 2015 11:34 am Operator: youminh
Sample : BSD Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:52 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.29	97	220100	9.71	PPBV		100
47)	CARBON TETRACHLORIDE	10.86	117	219963	9.58	PPBV		100
48)	1,2-DICHLOROETHANE	10.06	62	133608	10.20	PPBV		99
50)	BENZENE	10.72	78	396459	10.67	PPBV		100
51)	CYCLOHEXANE	10.97	84	177786	10.19	PPBV		100
52)	2,3-DIMETHYLPENTANE	11.16	71	91294	10.93	PPBV		100
53)	TRICHLOROETHYLENE	11.69	95	157994	10.61	PPBV		99
54)	DIBROMOMETHANE	11.46	174	142842	10.97	PPBV		99
55)	1,2-DICHLOROPROPANE	11.47	63	145384	10.60	PPBV		98
56)	ETHYL ACRYLATE	11.42	55	247963	10.04	PPBV		99
57)	BROMODICHLOROMETHANE	11.66	83	251612	10.42	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.69	57	639303	10.28	PPBV		99
59)	1,4-DIOXANE	11.70	88	75469	10.73	PPBV	#	84
60)	METHYL METHACRYLATE	11.83	69	135103	10.49	PPBV		97
61)	HEPTANE	11.92	43	223599	9.94	PPBV		98
62)	METHYL ISOBUTYL KETONE	12.52	43	225197	9.23	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.50	75	217716	10.64	PPBV		97
64)	TOLUENE	13.47	92	278017	11.11	PPBV		100
65)	trans-1,3-DICHLOROPROPENE	13.00	75	178306	10.92	PPBV		99
66)	1,1,2-TRICHLOROETHANE	13.19	83	128823	11.20	PPBV		99
68)	ETHYL METHACRYLATE	13.69	69	206472	9.82	PPBV		99
69)	2-HEXANONE	13.70	58	132313	10.03	PPBV		97
70)	TETRACHLOROETHYLENE	14.62	164	170626	10.76	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.91	129	246393	10.76	PPBV		99
72)	1,2-DIBROMOETHANE	14.16	107	212932	11.57	PPBV		100
73)	OCTANE	14.40	43	310871	10.15	PPBV		99
74)	1,1,1,2-TETRACHLOROETHANE	15.30	131	178754	10.73	PPBV		89
75)	CHLOROBENZENE	15.33	112	346572	10.70	PPBV		100
76)	ETHYLBENZENE	15.70	91	551053	10.54	PPBV		100
77)	m,p-XYLENE	15.89	106	452281	21.50	PPBV		98
78)	o-XYLENE	16.40	106	216712	11.46	PPBV		99
79)	STYRENE	16.28	104	347275	11.58	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.54	75	226215	10.44	PPBV		99
81)	NONANE	16.58	43	319494	10.89	PPBV		99
82)	BROMOFORM	16.01	173	234165	11.00	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	317781	10.85	PPBV		100
85)	ISOPROPYLBENZENE	17.02	105	633782	10.77	PPBV		99
86)	BROMOBENZENE	17.14	156	184262	11.30	PPBV		100
87)	2-CHLOROTOLUENE	17.54	126	146984	10.91	PPBV	#	87
88)	n-PROPYLBENZENE	17.56	120	166560	11.01	PPBV		99
89)	4-ETHYLTOLUENE	17.72	105	535743	11.15	PPBV		98
90)	1,3,5-TRIMETHYLBENZENE	17.80	105	499242	10.67	PPBV		97
91)	ALPHA-METHYLSTYRENE	17.98	118	234223	11.62	PPBV		100
92)	TERT-BUTYLBENZENE	18.25	134	117836	10.85	PPBV		99
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	459851	10.91	PPBV		100
94)	m-DICHLOROBENZENE	18.44	146	273352	11.10	PPBV		100
95)	BENZYL CHLORIDE	18.42	91	338252	10.70	PPBV		100
96)	p-DICHLOROBENZENE	18.51	146	275557	10.64	PPBV		99
97)	SEC-BUTYLBENZENE	18.55	134	138231	10.79	PPBV		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52239.D Vial: 3
Acq On : 30 Oct 2015 11:34 am Operator: youminh
Sample : BSD Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:52 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.72	134	142715	10.73	PPBV	98
99)	o-DICHLOROBENZENE	18.90	146	253115	10.69	PPBV	100
100)	n-BUTYLBENZENE	19.19	134	124926	11.32	PPBV	98
101)	HEXACHLOROETHANE	19.65	201	172779	10.86	PPBV	99
102)	HEXACHLOROBUTADIENE	21.30	225	159090	9.07	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.21	180	97813	8.26	PPBV	99
104)	NAPHTHALENE	20.93	128	240852	8.80	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

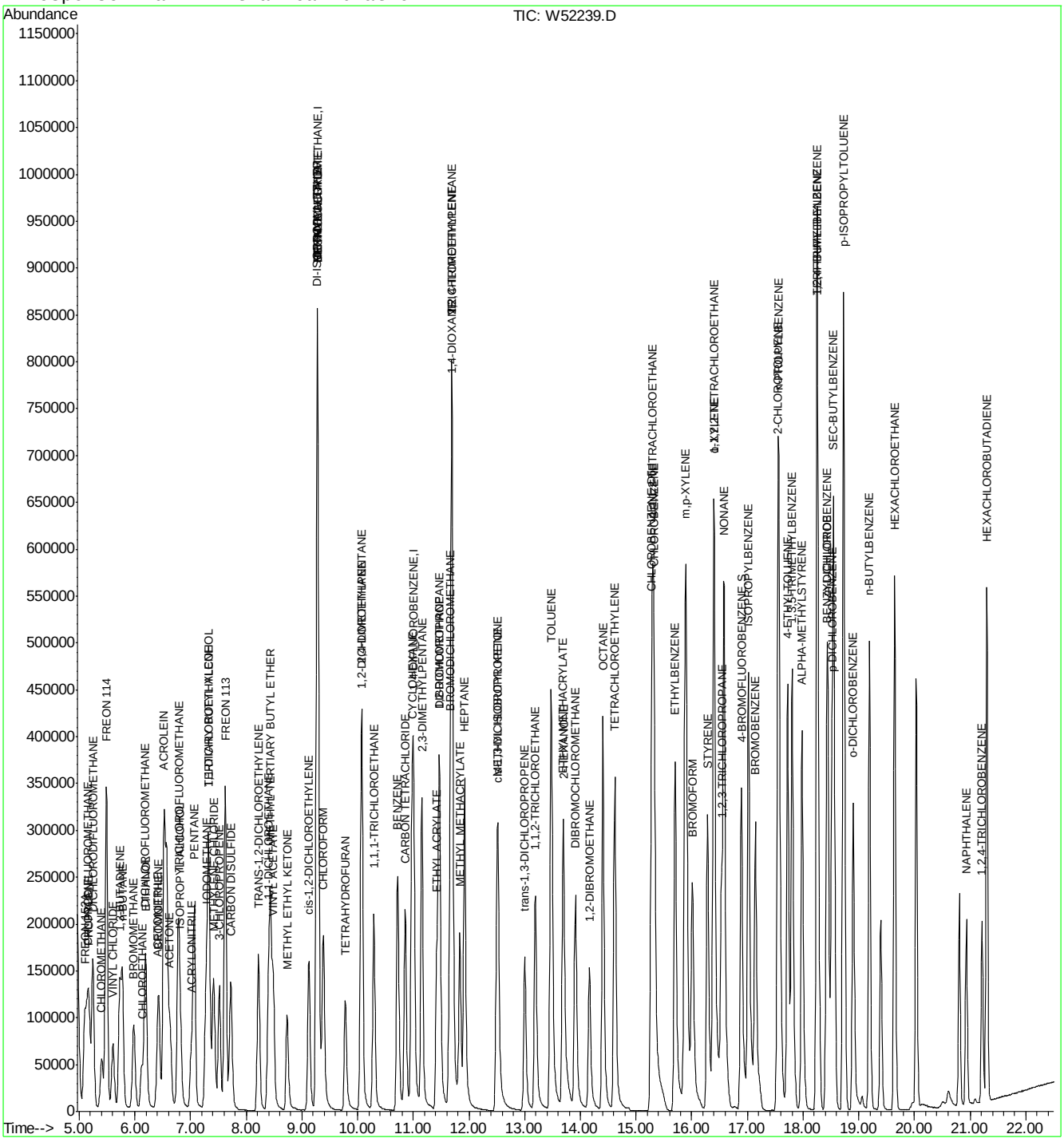
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52239.D
Acq On : 30 Oct 2015 11:34 am
Sample : BSD
Misc : MS93717,VW2087,,,,,1
MS Integration Params: rteint.p
Quant Time: Nov 2 10:26 2015

Vial: 3
Operator: youminh
Inst : MSW
Multiplr: 1.00

Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50817.D Vial: 3
Acq On : 4 Nov 2015 11:21 am Operator: YOUMINH
Sample : BS2 Inst : MS3W
Misc : MS93717,V3W1930,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 16:14:13 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	145496	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	693712	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.83	82	340717	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.46	95	377387	11.38	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery =	113.80%		
Target Compounds						Qvalue
4) FREON 152A	4.24	65	137769	9.84	PPBV	99
5) CHLORODIFLUOROMETHANE	4.27	67	51317	10.72	PPBV	97
6) DICHLORODIFLUOROMETHANE	4.32	85	497504	10.46	PPBV	98
7) PROPYLENE	4.29	41	184942	10.59	PPBV	98
9) FREON 114	4.46	85	556476	9.95	PPBV	100
10) CHLOROMETHANE	4.41	50	253325	10.08	PPBV	100
11) VINYL CHLORIDE	4.53	62	238587	9.99	PPBV	100
12) 1,3-BUTADIENE	4.59	54	172584	9.89	PPBV	98
13) n-BUTANE	4.61	43	348231	10.15	PPBV	99
14) BROMOMETHANE	4.75	94	207173	9.70	PPBV	99
15) CHLOROETHANE	4.82	64	116280	9.48	PPBV	99
16) DICHLOROFLUOROMETHANE	4.87	67	448864	9.58	PPBV	100
17) ACETONITRILE	5.05	41	154082	9.68	PPBV	99
18) FREON 123	5.08	83	516003	9.58	PPBV	99
19) FREON 123A	5.11	117	275466	10.11	PPBV	94
20) TRICHLOROFLUOROMETHANE	5.23	101	469189	9.97	PPBV	99
22) ISOPROPYL ALCOHOL	5.30	45	392897	9.68	PPBV	100
23) ACETONE	5.16	58	97186	9.49	PPBV	100
24) PENTANE	5.39	42	225363	9.55	PPBV	100
25) TVHC as EQUIV PENTANE	5.39	TIC	1211182m	9.15	PPBV	
26) IODOMETHANE	5.56	142	549588	10.00	PPBV	99
27) 1,1-DICHLOROETHYLENE	5.60	96	203281	9.53	PPBV	97
28) CARBON DISULFIDE	5.86	76	614781	9.76	PPBV	99
29) ETHANOL	4.92	45	86524	8.17	PPBV	98
30) BROMOETHENE	5.02	106	207454	10.05	PPBV	99
31) ACRYLONITRILE	5.43	52	121798	9.89	PPBV	100
32) METHYLENE CHLORIDE	5.68	84	184393	9.63	PPBV	97
33) 3-CHLOROPROPENE	5.73	76	93881	9.43	PPBV	99
34) FREON 113	5.81	151	337664	10.18	PPBV	98
35) TRANS-1,2-DICHLOROETHYLENE	6.24	96	190582	9.97	PPBV	97
36) TERTIARY BUTYL ALCOHOL	5.64	59	468166	9.14	PPBV	100
37) METHYL TERTIARY BUTYL ETHE	6.41	73	545489	10.14	PPBV	99
38) TETRAHYDROFURAN	7.53	72	98489	10.39	PPBV	94
39) HEXANE	7.06	57	333862	9.67	PPBV	97
40) VINYL ACETATE	6.49	86	40051	10.09	PPBV #	94
41) 1,1-DICHLOROETHANE	6.39	63	403415	9.66	PPBV	100
42) METHYL ETHYL KETONE	6.66	72	94970	10.23	PPBV	97
43) cis-1,2-DICHLOROETHYLENE	7.02	96	204330	9.89	PPBV	99
44) DIISOPROPYL ETHER	7.08	59	79758	10.07	PPBV	100
45) ETHYL ACETATE	7.15	61	75319	10.13	PPBV #	93
46) METHYL ACRYLATE	7.16	55	342356	10.47	PPBV #	100
47) CHLOROFORM	7.22	83	412210	10.05	PPBV	98
48) 2,4-DIMETHYLPENTANE	7.74	57	416840	9.81	PPBV	99
49) 1,1,1-TRICHLOROETHANE	7.98	97	412743	10.08	PPBV	100
50) CARBON TETRACHLORIDE	8.51	117	418795	10.08	PPBV	99
51) 1,2-DICHLOROETHANE	7.79	62	234229	10.40	PPBV	100
53) BENZENE	8.38	78	638676	9.98	PPBV	99
54) CYCLOHEXANE	8.54	84	335085	9.91	PPBV	98
55) 2,3-DIMETHYLPENTANE	8.73	71	150068	9.84	PPBV	96

(#) = qualifier out of range (m) = manual integration
3W50817.D M3W1928.M Wed Nov 04 16:21:12 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50817.D Vial: 3
Acq On : 4 Nov 2015 11:21 am Operator: YOUMINH
Sample : BS2 Inst : MS3W
Misc : MS93717,V3W1930,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 16:14:13 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

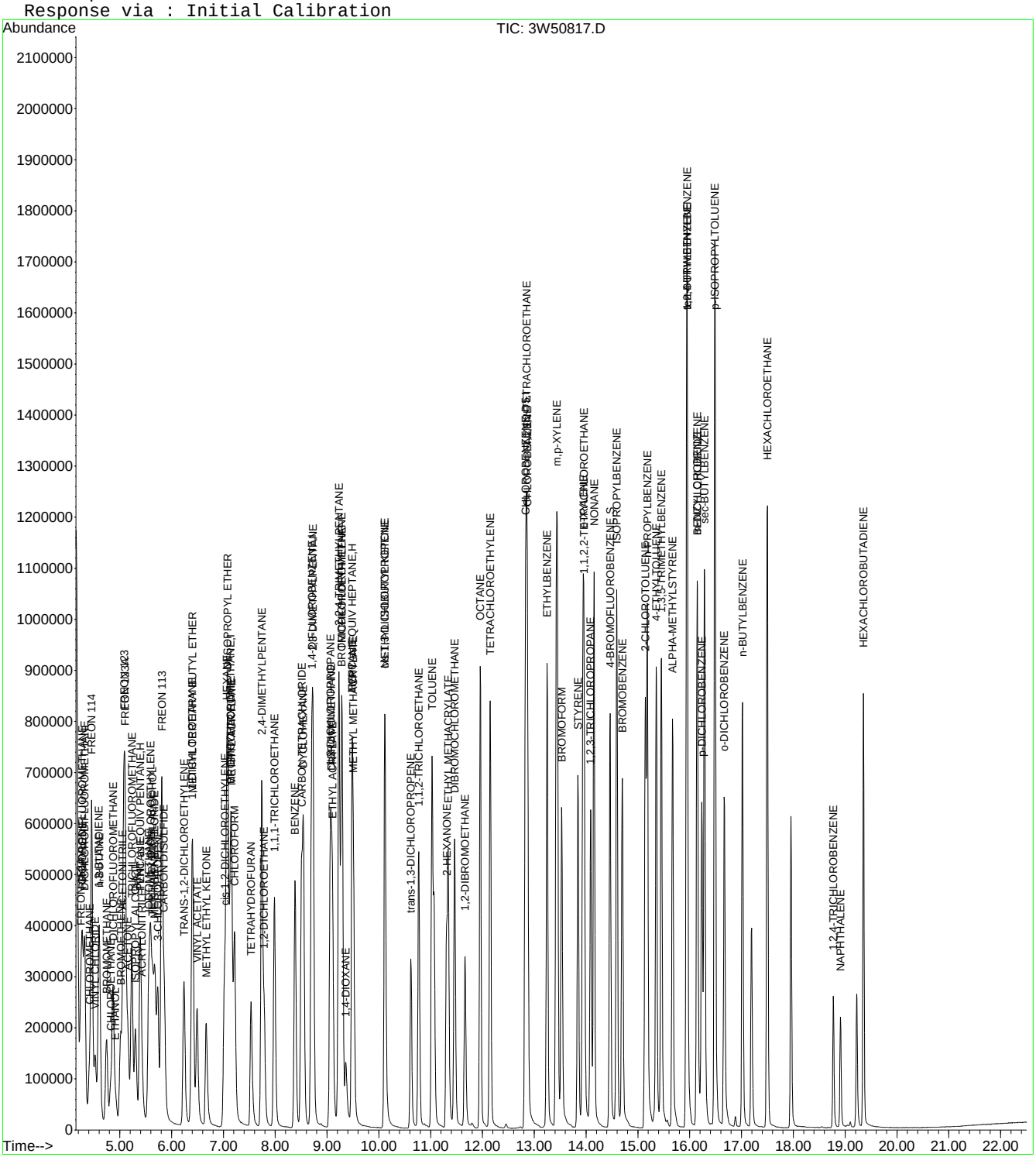
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	TRICHLOROETHYLENE	9.29	95	248695	9.65	PPBV	98
57)	1,2-DICHLOROPROPANE	9.06	63	259488	9.89	PPBV	99
58)	DIBROMOMETHANE	9.09	174	223033	10.15	PPBV	98
59)	ETHYL ACRYLATE	9.11	55	424592	11.04	PPBV	100
60)	BROMODICHLOROMETHANE	9.27	83	439142	10.29	PPBV	100
61)	2,2,4-TRIMETHYLPENTANE	9.23	57	1082633	10.26	PPBV	100
62)	1,4-DIOXANE	9.37	88	135503	10.50	PPBV	99
63)	HEPTANE	9.48	43	413486	10.62	PPBV	97
64)	TVHC as EQUIV HEPTANE	9.49	TIC	2630052m	11.97	PPBV	
65)	METHYL METHACRYLATE	9.51	69	215797	10.76	PPBV	95
66)	METHYL ISOBUTYL KETONE	10.12	58	180651	10.98	PPBV	98
67)	cis-1,3-DICHLOROPROPENE	10.11	75	335578	10.01	PPBV	98
68)	TOLUENE	11.03	92	422285	10.26	PPBV	99
69)	trans-1,3-DICHLOROPROPENE	10.62	75	270776	11.03	PPBV	100
70)	1,1,2-TRICHLOROETHANE	10.77	83	220874	10.36	PPBV	99
72)	2-HEXANONE	11.31	58	234539	10.67	PPBV	98
73)	ETHYL METHACRYLATE	11.34	69	334844	10.35	PPBV	98
74)	TETRACHLOROETHYLENE	12.15	164	272399	9.51	PPBV	99
75)	DIBROMOCHLOROMETHANE	11.46	129	419150	9.96	PPBV	99
76)	1,2-DIBROMOETHANE	11.66	107	332926	10.32	PPBV	99
77)	OCTANE	11.96	43	536024	11.08	PPBV	98
78)	1,1,1,2-TETRACHLOROETHANE	12.85	131	304841	10.22	PPBV	98
79)	CHLOROBENZENE	12.87	112	499123	9.63	PPBV	98
80)	ETHYLBENZENE	13.25	91	874723	10.02	PPBV	99
81)	m,p-XYLENE	13.44	106	658898	20.12	PPBV	98
82)	o-XYLENE	13.94	106	321000	10.07	PPBV	98
83)	STYRENE	13.84	104	456187	10.56	PPBV	99
84)	NONANE	14.15	43	506749	11.16	PPBV	99
85)	BROMOFORM	13.53	173	414040	10.31	PPBV	100
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	509720	10.07	PPBV	100
88)	1,2,3-TRICHLOROPROPANE	14.09	75	378370	10.06	PPBV	99
89)	ISOPROPYLBENZENE	14.59	105	934935	10.32	PPBV	100
90)	BROMOBENZENE	14.70	77	431266	9.85	PPBV	98
91)	2-CHLOROTOLUENE	15.14	126	223908	10.32	PPBV	100
92)	n-PROPYLBENZENE	15.18	120	232698	10.64	PPBV	100
93)	4-ETHYLTOLUENE	15.35	105	799164	10.98	PPBV	100
94)	1,3,5-TRIMETHYLBENZENE	15.45	105	715777	10.79	PPBV	99
95)	ALPHA-METHYLSTYRENE	15.67	118	330060	10.72	PPBV	99
96)	tert-BUTYLBENZENE	15.94	134	159889	10.38	PPBV	98
97)	1,2,4-TRIMETHYLBENZENE	15.95	105	670846	10.81	PPBV	100
98)	m-DICHLOROBENZENE	16.14	146	384903	10.40	PPBV	100
99)	BENZYL CHLORIDE	16.15	91	465847	10.04	PPBV	99
100)	p-DICHLOROBENZENE	16.23	146	381270	10.04	PPBV	100
101)	sec-BUTYLBENZENE	16.29	134	185136	10.50	PPBV	97
102)	p-ISOPROPYLTOLUENE	16.49	134	199656	10.62	PPBV	99
103)	o-DICHLOROBENZENE	16.67	146	376015	10.26	PPBV	100
104)	n-BUTYLBENZENE	17.02	134	148037	10.08	PPBV	94
105)	HEXACHLOROETHANE	17.49	117	310338	10.13	PPBV	99
106)	HEXACHLOROBUTADIENE	19.35	225	192775	8.77	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.77	180	107146	8.25	PPBV	99
108)	NAPHTHALENE	18.91	128	216103	8.23	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50817.D M3W1928.M Wed Nov 04 16:21:12 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50817.D
Vial: 3
Acq On : 4 Nov 2015 11:21 am
Operator: YOUMINH
Sample : BS2
Inst : MS3W
Misc : MS93717,V3W1930,,,,,1
Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015
Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

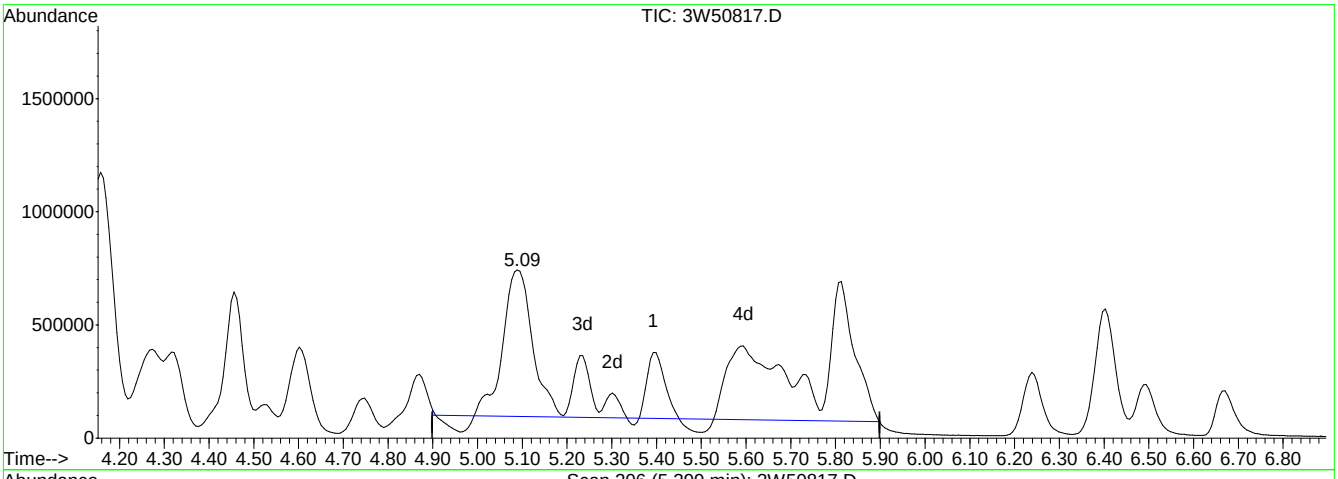


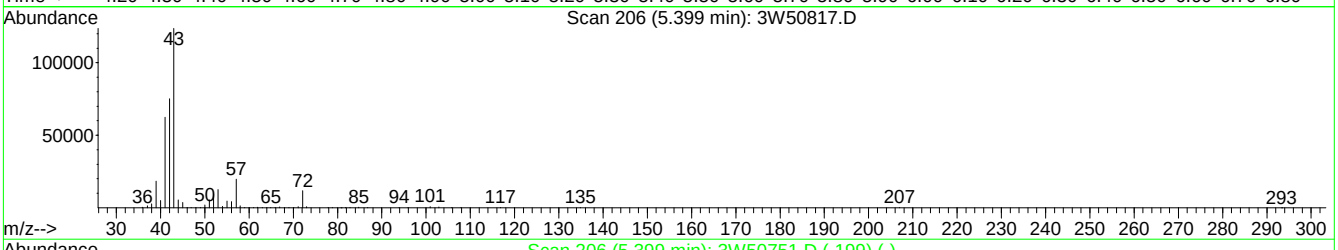
ACCUTEST LABORATORIES JC7272

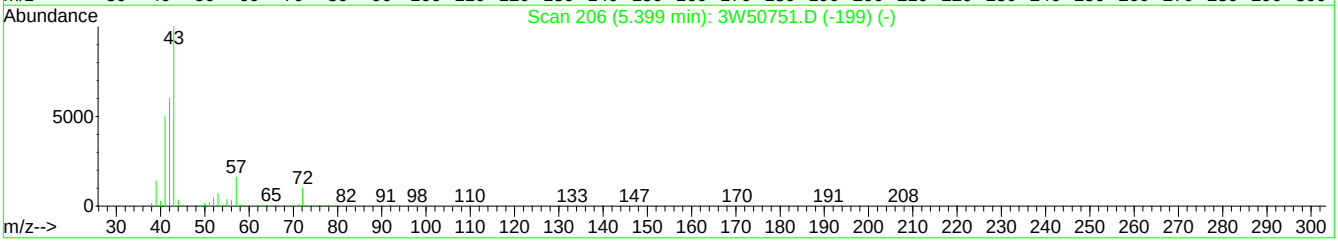
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50817.D Vial: 3
Acq On : 4 Nov 2015 11:21 am Operator: YOUMINH
Sample : BS2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 11:50 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50817.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 89.25PPBV m

response 11815203

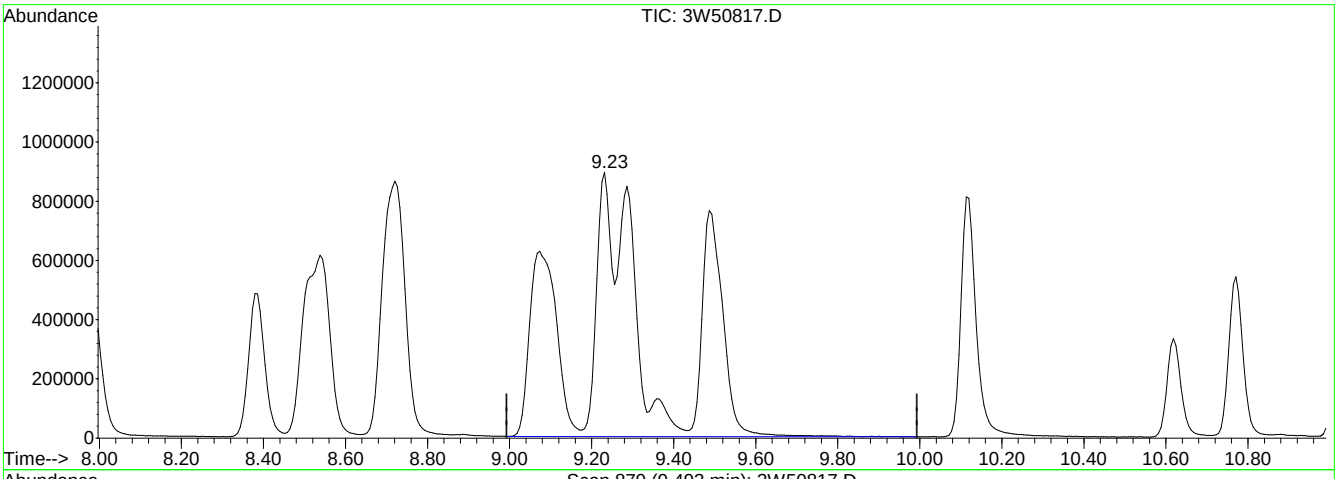
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.22#
0.00	2.00	0.19#
0.00	0.00	0.00

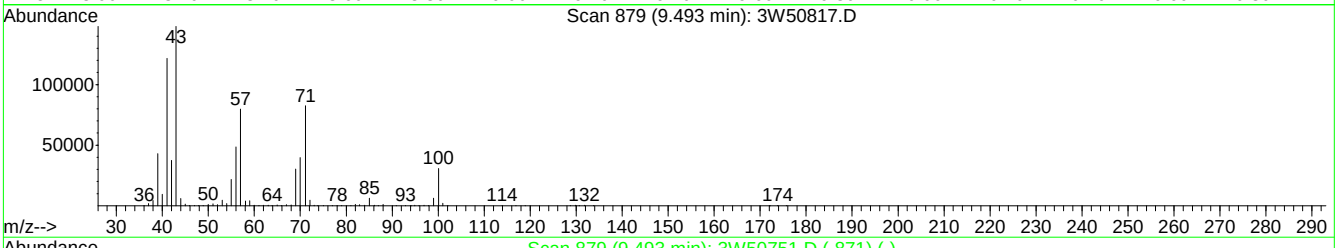
3W50817.D M3W1928.M Wed Nov 04 16:13:09 2015 MS3W

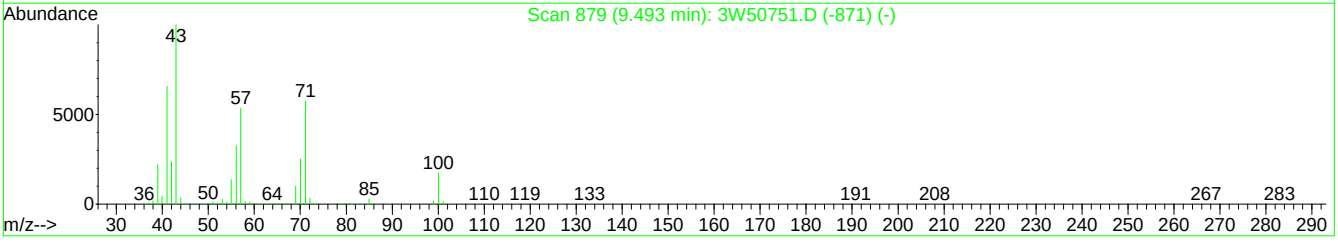
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50817.D Vial: 3
Acq On : 4 Nov 2015 11:21 am Operator: YOUMINH
Sample : BS2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:14 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50817.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 45.92PPBV m

response 10090008

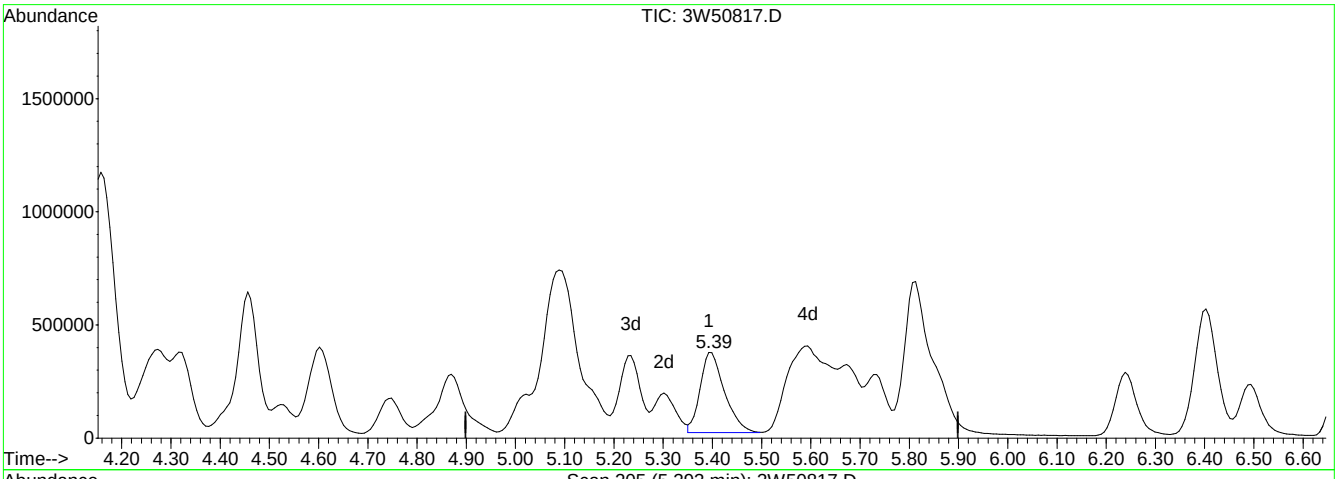
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.26#
0.00	1.00	0.22#
0.00	0.00	0.00

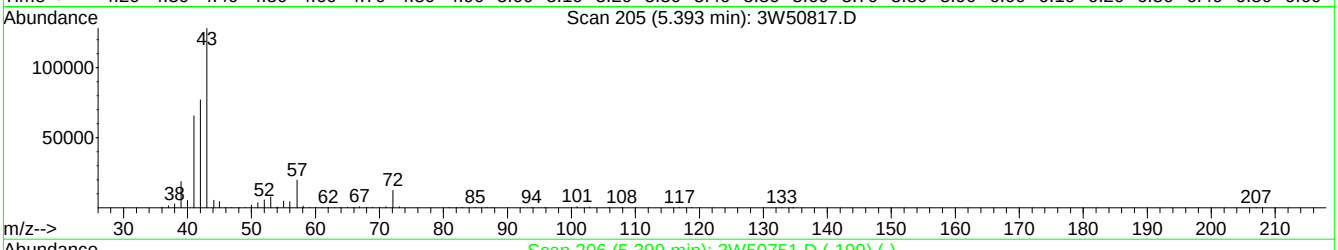
3W50817.D M3W1928.M Wed Nov 04 16:15:02 2015 MS3W

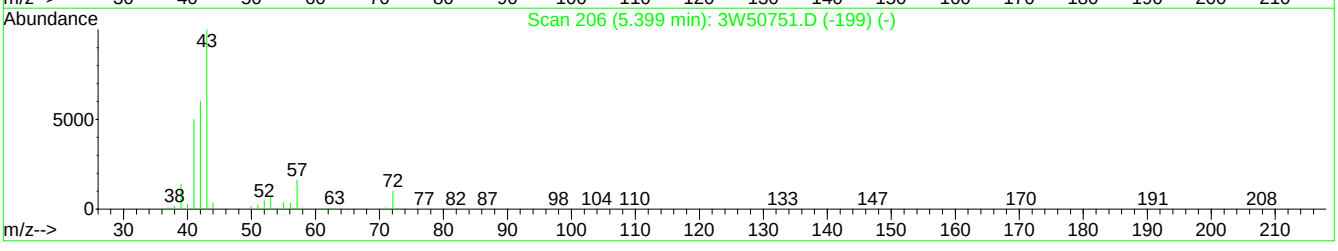
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50817.D Vial: 3
Acq On : 4 Nov 2015 11:21 am Operator: YOUMINH
Sample : BS2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50817.D

(25) TVHC as EQUIV PENTANE (H)

5.39min 9.15PPBV m

response 1211182

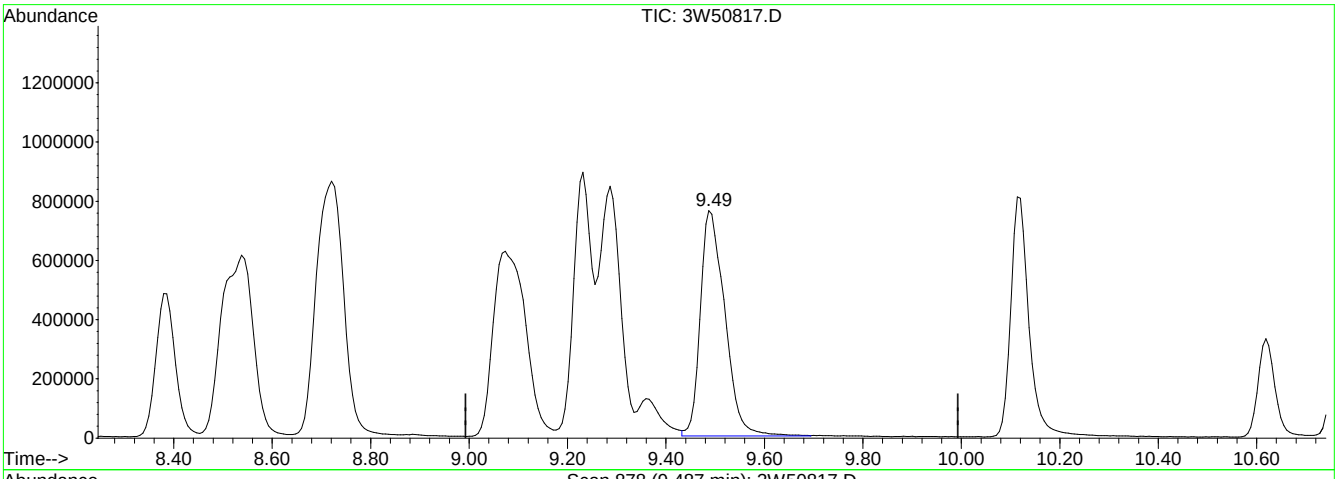
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	2.16#
0.00	2.00	1.81#
0.00	0.00	0.00

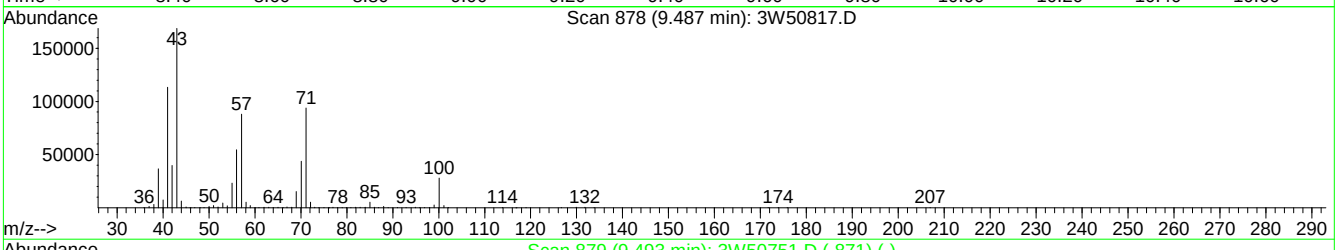
3W50817.D M3W1928.M Wed Nov 04 16:20:08 2015 MS3W

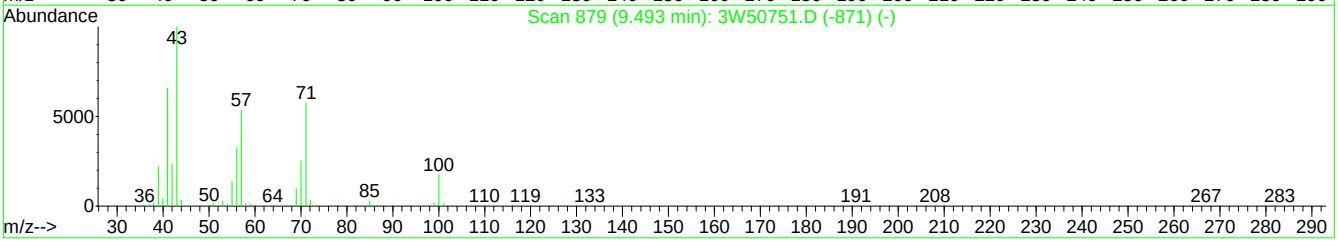
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50817.D Vial: 3
Acq On : 4 Nov 2015 11:21 am Operator: YOUMINH
Sample : BS2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50817.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 11.97PPBV m

response 2630052

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.99#
0.00	1.00	0.83#
0.00	0.00	0.00

3W50817.D M3W1928.M Thu Nov 05 10:32:09 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50818.D Vial: 3
Acq On : 4 Nov 2015 12:06 pm Operator: YOUMINH
Sample : BSD2 Inst : MS3W
Misc : MS93717,V3W1930,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 16:14:16 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	146756	10.00 PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	707642	10.00 PPBV	0.00
71) CHLOROBENZENE-D5	12.83	82	350471	10.00 PPBV	0.00
System Monitoring Compounds					
86) 4-BROMOFLUOROBENZENE	14.46	95	386574	11.33 PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery =	113.30%	
Target Compounds					Qvalue
4) FREON 152A	4.25	65	141938	10.05 PPBV	99
5) CHLORODIFLUOROMETHANE	4.27	67	52372	10.85 PPBV	99
6) DICHLORODIFLUOROMETHANE	4.32	85	505619	10.54 PPBV	98
7) PROPYLENE	4.29	41	188187	10.68 PPBV	98
9) FREON 114	4.46	85	569354	10.09 PPBV	99
10) CHLOROMETHANE	4.41	50	257165	10.15 PPBV	97
11) VINYL CHLORIDE	4.53	62	242791	10.08 PPBV	99
12) 1,3-BUTADIENE	4.60	54	176210	10.01 PPBV	97
13) n-BUTANE	4.61	43	356390	10.30 PPBV	100
14) BROMOMETHANE	4.75	94	211929	9.84 PPBV	99
15) CHLOROETHANE	4.83	64	121713	9.84 PPBV	98
16) DICHLOROFLUOROMETHANE	4.87	67	464690	9.83 PPBV	100
17) ACETONITRILE	5.05	41	158291	9.85 PPBV	98
18) FREON 123	5.08	83	530674	9.76 PPBV	99
19) FREON 123A	5.11	117	291181	10.60 PPBV	88
20) TRICHLOROFLUOROMETHANE	5.23	101	479278	10.10 PPBV	98
22) ISOPROPYL ALCOHOL	5.31	45	413974	10.12 PPBV	100
23) ACETONE	5.16	58	100240	9.71 PPBV	97
24) PENTANE	5.40	42	227898	9.58 PPBV	99
25) TVHC as EQUIV PENTANE	5.40	TIC	1266854m	9.49 PPBV	
26) IODOMETHANE	5.56	142	562737	10.15 PPBV	99
27) 1,1-DICHLOROETHYLENE	5.60	96	209312	9.73 PPBV	95
28) CARBON DISULFIDE	5.86	76	626587	9.86 PPBV	99
29) ETHANOL	4.92	45	90577	8.48 PPBV	99
30) BROMOETHENE	5.02	106	211119	10.14 PPBV	100
31) ACRYLONITRILE	5.43	52	126210	10.16 PPBV	99
32) METHYLENE CHLORIDE	5.68	84	189609	9.81 PPBV	85
33) 3-CHLOROPROPENE	5.73	76	97271	9.69 PPBV	98
34) FREON 113	5.81	151	347103	10.38 PPBV	98
35) TRANS-1,2-DICHLOROETHYLENE	6.24	96	196312	10.18 PPBV	97
36) TERTIARY BUTYL ALCOHOL	5.64	59	498203	9.64 PPBV	99
37) METHYL TERTIARY BUTYL ETHE	6.41	73	565165	10.41 PPBV	100
38) TETRAHYDROFURAN	7.53	72	102752	10.74 PPBV	95
39) HEXANE	7.06	57	340838	9.78 PPBV	97
40) VINYL ACETATE	6.49	86	43016	10.74 PPBV #	96
41) 1,1-DICHLOROETHANE	6.39	63	411145	9.76 PPBV	99
42) METHYL ETHYL KETONE	6.67	72	99684	10.64 PPBV	97
43) cis-1,2-DICHLOROETHYLENE	7.02	96	211311	10.14 PPBV	99
44) DIISOPROPYL ETHER	7.08	59	73567	9.21 PPBV #	73
45) ETHYL ACETATE	7.15	61	77983	10.39 PPBV #	93
46) METHYL ACRYLATE	7.16	55	355898	10.79 PPBV #	100
47) CHLOROFORM	7.22	83	425598	10.28 PPBV	99
48) 2,4-DIMETHYLPENTANE	7.74	57	429137	10.02 PPBV	100
49) 1,1,1-TRICHLOROETHANE	7.99	97	420989	10.19 PPBV	99
50) CARBON TETRACHLORIDE	8.51	117	417667	9.97 PPBV	98
51) 1,2-DICHLOROETHANE	7.79	62	239751	10.56 PPBV	100
53) BENZENE	8.39	78	652364	9.99 PPBV	99
54) CYCLOHEXANE	8.54	84	340456	9.87 PPBV	98
55) 2,3-DIMETHYLPENTANE	8.73	71	152772	9.82 PPBV	98

(#) = qualifier out of range (m) = manual integration
3W50818.D M3W1928.M Wed Nov 04 16:21:21 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50818.D Vial: 3
Acq On : 4 Nov 2015 12:06 pm Operator: YOUMINH
Sample : BSD2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 16:14:16 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

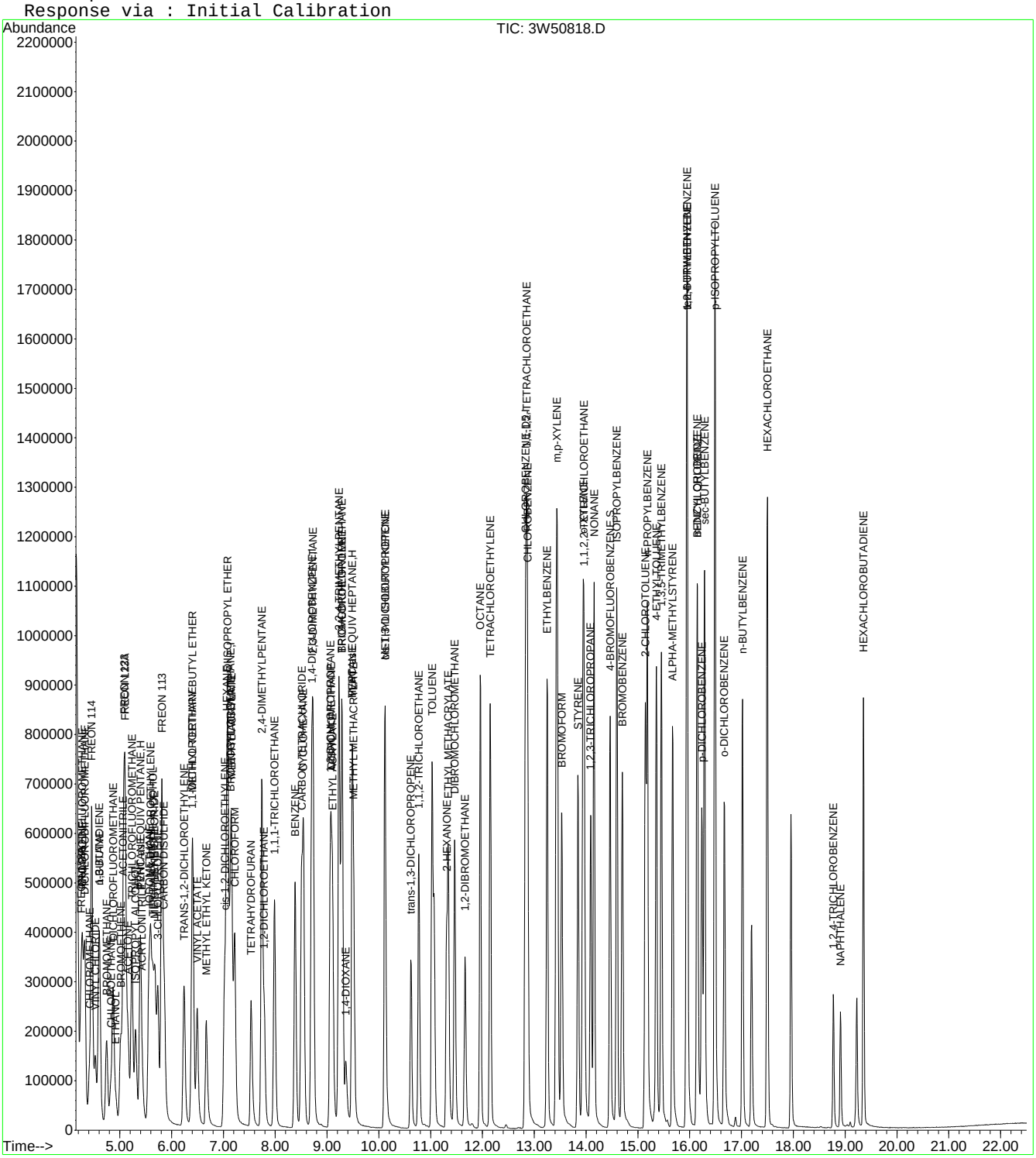
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	TRICHLOROETHYLENE	9.29	95	250545	9.53	PPBV	99
57)	1,2-DICHLOROPROPANE	9.06	63	268668	10.03	PPBV	99
58)	DIBROMOMETHANE	9.09	174	231308	10.32	PPBV	99
59)	ETHYL ACRYLATE	9.11	55	437121	11.14	PPBV	100
60)	BROMODICHLOROMETHANE	9.28	83	449212	10.32	PPBV	100
61)	2,2,4-TRIMETHYLPENTANE	9.23	57	1101417	10.23	PPBV	100
62)	1,4-DIOXANE	9.37	88	141609	10.76	PPBV	99
63)	HEPTANE	9.49	43	417219	10.50	PPBV	98
64)	TVHC as EQUIV HEPTANE	9.49	TIC	2669275m	11.91	PPBV	
65)	METHYL METHACRYLATE	9.52	69	224028	10.95	PPBV	99
66)	METHYL ISOBUTYL KETONE	10.12	58	191919	11.43	PPBV	98
67)	cis-1,3-DICHLOROPROPENE	10.11	75	340837	9.97	PPBV	97
68)	TOLUENE	11.03	92	434206	10.34	PPBV	100
69)	trans-1,3-DICHLOROPROPENE	10.62	75	276515	11.04	PPBV	99
70)	1,1,2-TRICHLOROETHANE	10.77	83	225122	10.35	PPBV	100
72)	2-HEXANONE	11.31	58	249220	11.02	PPBV	98
73)	ETHYL METHACRYLATE	11.34	69	355399	10.68	PPBV	99
74)	TETRACHLOROETHYLENE	12.15	164	277372	9.42	PPBV	100
75)	DIBROMOCHLOROMETHANE	11.46	129	426741	9.86	PPBV	100
76)	1,2-DIBROMOETHANE	11.66	107	343305	10.34	PPBV	98
77)	OCTANE	11.96	43	541286	10.87	PPBV	99
78)	1,1,1,2-TETRACHLOROETHANE	12.85	131	312225	10.18	PPBV	98
79)	CHLOROBENZENE	12.88	112	509313	9.55	PPBV	98
80)	ETHYLBENZENE	13.25	91	894024	9.95	PPBV	100
81)	m,p-XYLENE	13.44	106	675211	20.05	PPBV	99
82)	o-XYLENE	13.94	106	331288	10.10	PPBV	98
83)	STYRENE	13.84	104	465946	10.48	PPBV	99
84)	NONANE	14.15	43	518127	11.09	PPBV	99
85)	BROMOFORM	13.53	173	422952	10.24	PPBV	99
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	524042	10.06	PPBV	100
88)	1,2,3-TRICHLOROPROPANE	14.09	75	386783	10.00	PPBV	99
89)	ISOPROPYLBENZENE	14.59	105	960833	10.32	PPBV	100
90)	BROMOBENZENE	14.70	77	449579	9.98	PPBV	97
91)	2-CHLOROTOLUENE	15.14	126	232034	10.40	PPBV	99
92)	n-PROPYLBENZENE	15.18	120	238345	10.60	PPBV	99
93)	4-ETHYLTOLUENE	15.36	105	819743	10.95	PPBV	100
94)	1,3,5-TRIMETHYLBENZENE	15.45	105	730678	10.70	PPBV	99
95)	ALPHA-METHYLSTYRENE	15.67	118	338952	10.70	PPBV	99
96)	tert-BUTYLBENZENE	15.94	134	164635	10.39	PPBV	98
97)	1,2,4-TRIMETHYLBENZENE	15.95	105	689154	10.80	PPBV	99
98)	m-DICHLOROBENZENE	16.14	146	397414	10.44	PPBV	100
99)	BENZYL CHLORIDE	16.15	91	482881	10.11	PPBV	99
100)	p-DICHLOROBENZENE	16.23	146	392173	10.04	PPBV	99
101)	sec-BUTYLBENZENE	16.29	134	191861	10.57	PPBV	98
102)	p-ISOPROPYLTOLUENE	16.49	134	206181	10.66	PPBV	98
103)	o-DICHLOROBENZENE	16.67	146	387950	10.29	PPBV	99
104)	n-BUTYLBENZENE	17.02	134	152917	10.12	PPBV	97
105)	HEXACHLOROETHANE	17.50	117	319521	10.14	PPBV	99
106)	HEXACHLOROBUTADIENE	19.35	225	197447	8.73	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.78	180	113276	8.48	PPBV	99
108)	NAPHTHALENE	18.91	128	232411	8.60	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50818.D M3W1928.M Wed Nov 04 16:21:21 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50818.D
Vial: 3
Acq On : 4 Nov 2015 12:06 pm
Operator: YOUMINH
Sample : BSD2
Inst : MS3W
Misc : MS93717,V3W1930,,,,,1
Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015
Quant Results File: M3W1928.RES

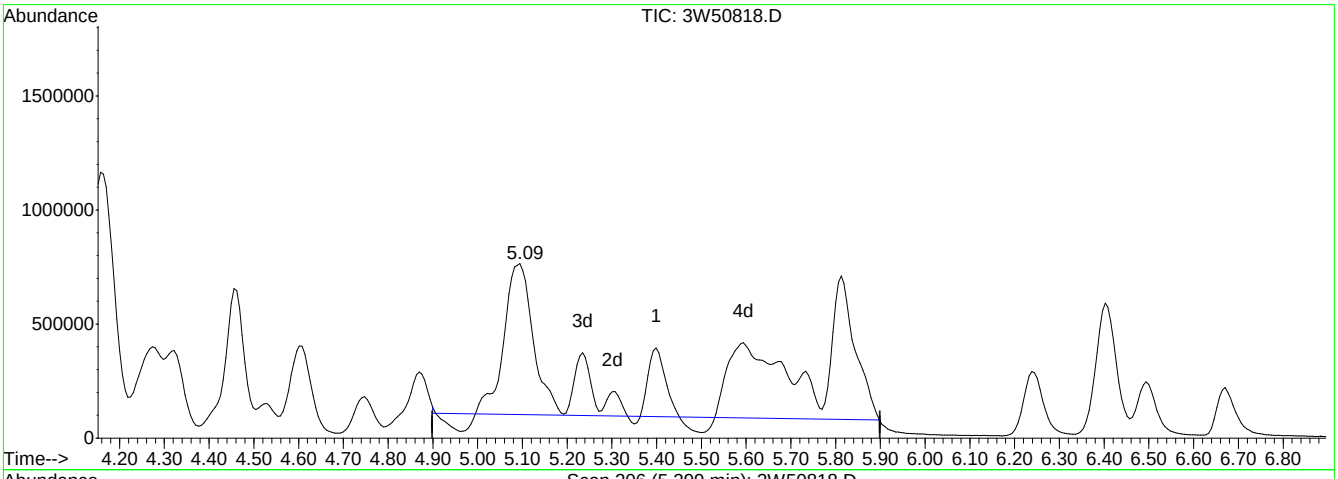
Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

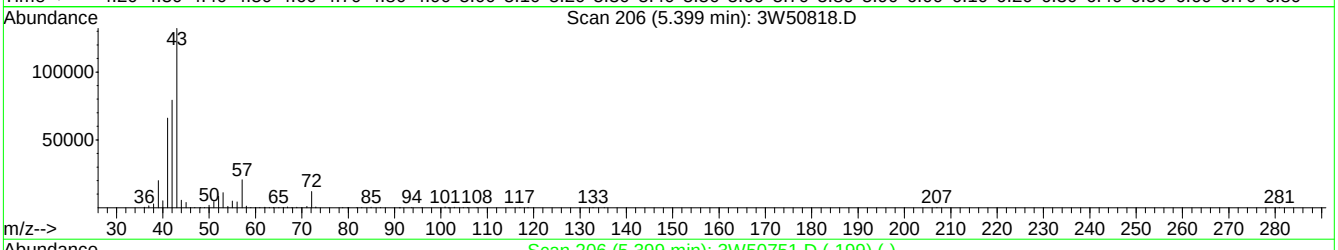


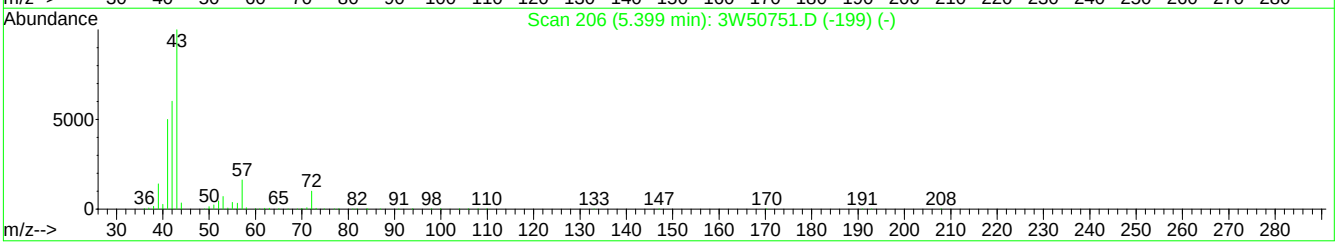
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50818.D Vial: 3
Acq On : 4 Nov 2015 12:06 pm Operator: YOUMINH
Sample : BSD2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 12:30 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50818.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 90.86PPBV m

response 12133419

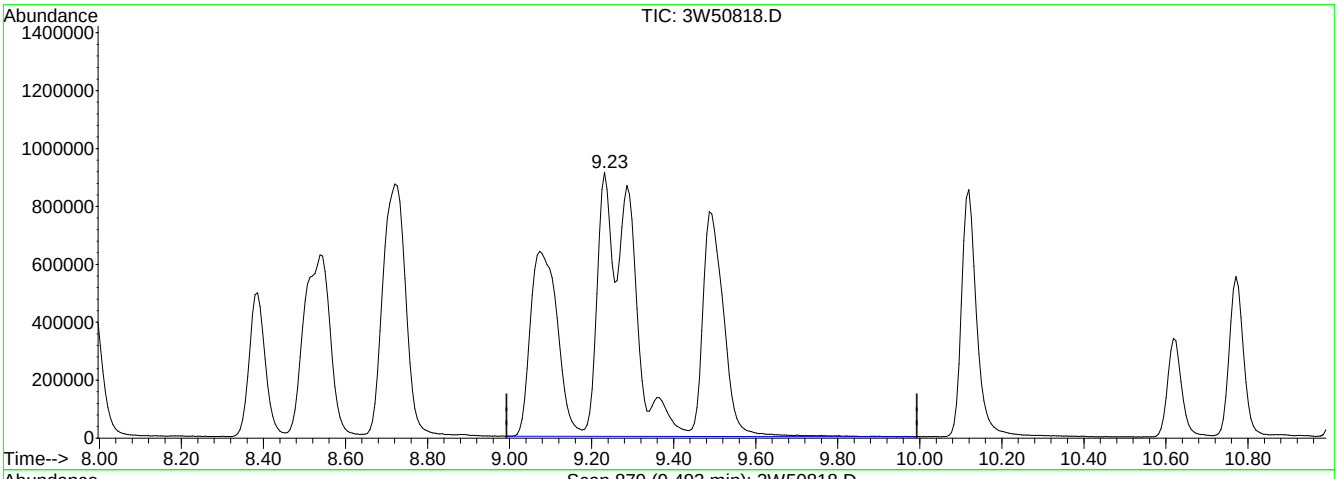
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.23#
0.00	2.00	0.20#
0.00	0.00	0.00

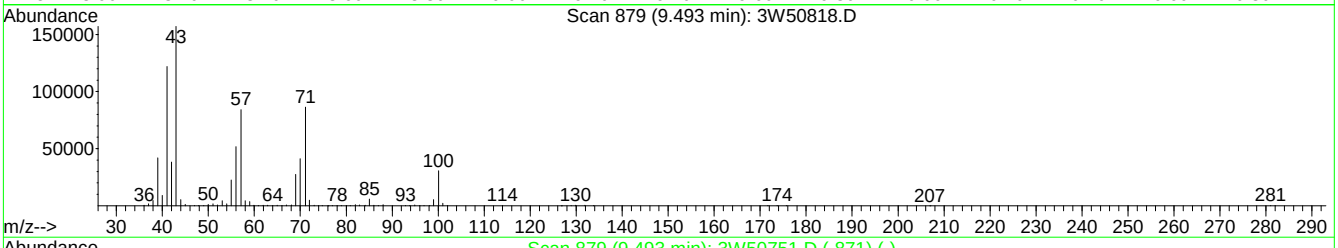
3W50818.D M3W1928.M Wed Nov 04 16:13:15 2015 MS3W

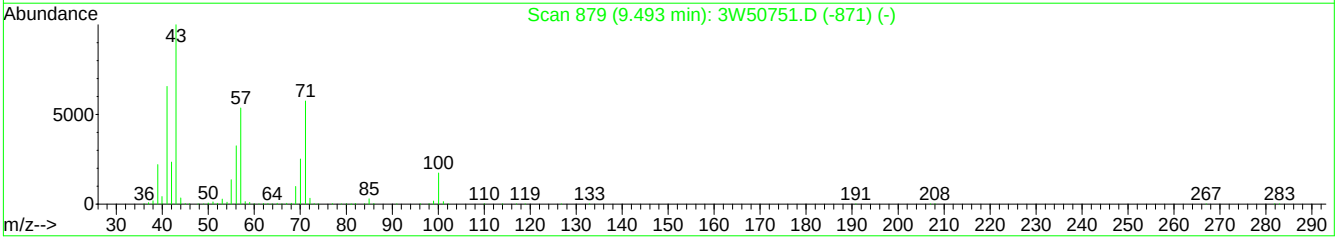
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50818.D Vial: 3
Acq On : 4 Nov 2015 12:06 pm Operator: YOUMINH
Sample : BSD2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:14 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50818.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 45.98PPBV m

response 10307408

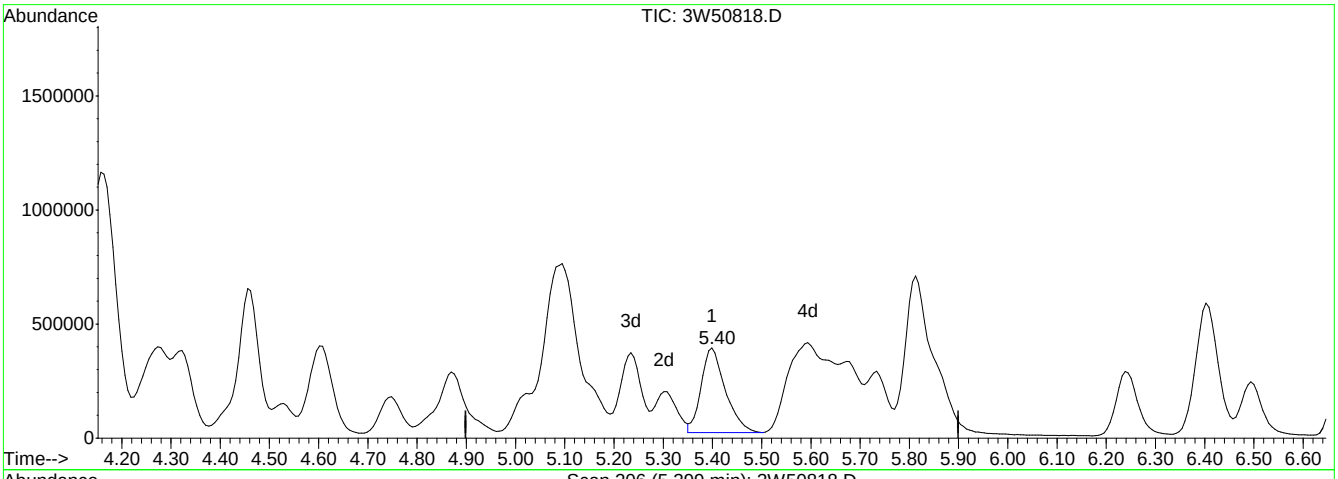
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.28#
0.00	1.00	0.23#
0.00	0.00	0.00

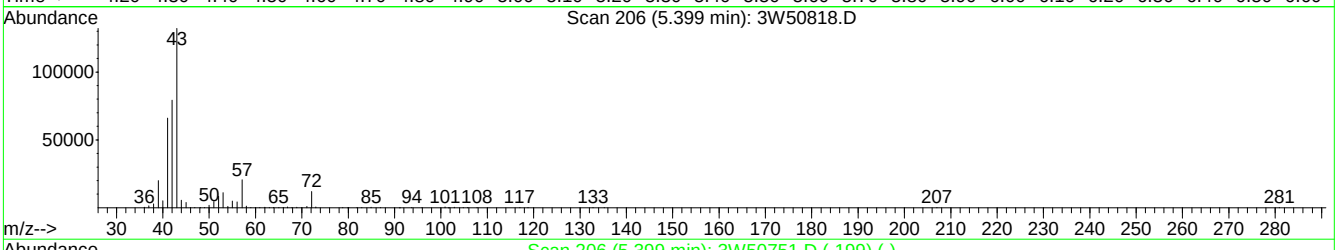
3W50818.D M3W1928.M Wed Nov 04 16:15:09 2015 MS3W

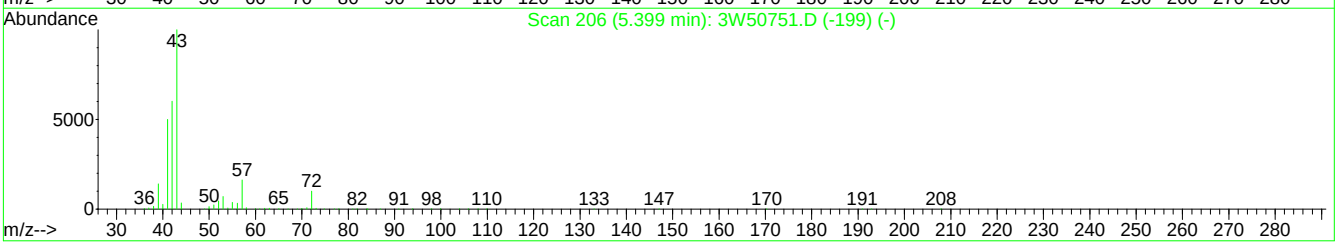
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50818.D Vial: 3
Acq On : 4 Nov 2015 12:06 pm Operator: YOUMINH
Sample : BSD2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50818.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 9.49PPBV m

response 1266854

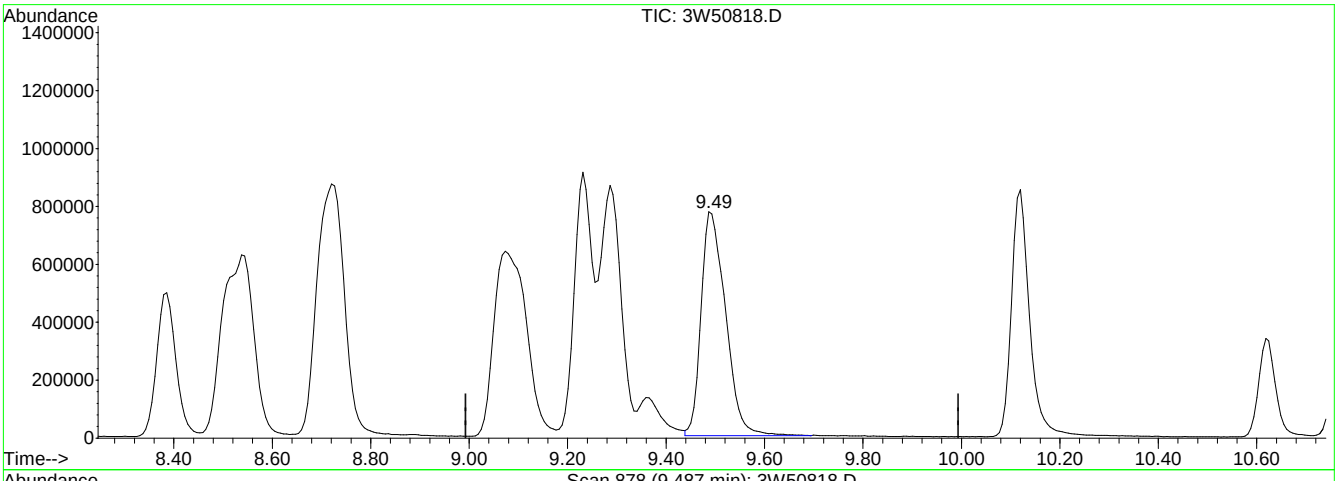
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	2.24#
0.00	2.00	1.91#
0.00	0.00	0.00

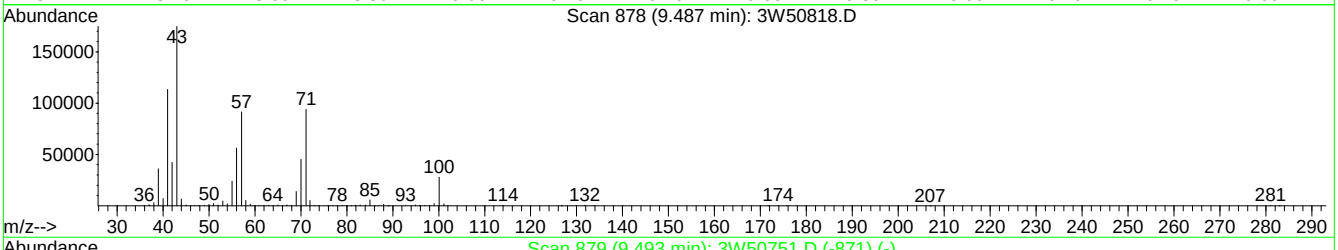
3W50818.D M3W1928.M Wed Nov 04 16:20:13 2015 MS3W

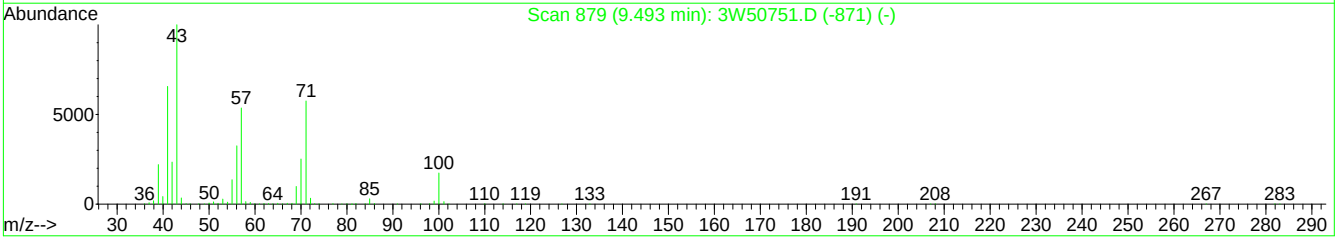
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50818.D Vial: 3
Acq On : 4 Nov 2015 12:06 pm Operator: YOUMINH
Sample : BSD2 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50818.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 11.91PPBV m

response 2669275

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.06#
0.00	1.00	0.90#
0.00	0.00	0.00

3W50818.D M3W1928.M Thu Nov 05 10:32:15 2015 MS3W

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14134.D
Acq On : 2 Oct 2015 11:24 am
Operator : YOUMINH
Sample : BS
Misc : MS91996,v5w564,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:12:07 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.499	130	183018	10.00	ppb(v	#-0.02
53) 1,4-Difluorobenzene	10.653	114	658366	10.00	ppb(v	#-0.03
75) Chlorobenzene-d5	16.153	82	403874	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.499	130	183018	10.00	ppb(v	#-0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.386	95	504669	10.52	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.20%			
Target Compounds						Qvalue
3) Freon 152A	4.082	65	128764	10.81	ppb(v	92
4) Chlorodifluoromethane	4.119	67	48049	10.03	ppb(v	100
5) Propene	4.144	41	156693	10.31	ppb(v	98
6) Dichlorodifluoromethane	4.205	85	512038	10.45	ppb(v	98
8) Chloromethane	4.346	50	200859	10.89	ppb(v	99
9) Dichlorotetrafluoroethane	4.425	85	561606	10.97	ppb(v	86
10) Vinyl Chloride	4.529	62	226970	11.62	ppb(v#	98
11) 1,3-Butadiene	4.639	54	165301	11.37	ppb(v	95
12) n-Butane	4.682	58	36423	11.99	ppb(v	78
13) Bromomethane	4.872	94	199251	10.62	ppb(v	98
14) Chloroethane	5.012	64	108145	11.63	ppb(v	97
15) Dichlorofluoromethane	5.086	67	486948	10.77	ppb(v	98
16) Acetonitrile	5.318	41	177768	10.84	ppb(v	100
17) Freon 123	5.435	83	517198	10.81	ppb(v	99
18) Freon 123A	5.483	117	257654	10.51	ppb(v#	71
19) Bromoethene	5.312	106	188714	10.71	ppb(v#	96
20) Trichlorofluoromethane	5.673	101	479731	10.32	ppb(v	99
21) Acetone	5.532	58	100719	10.89	ppb(v	78
22) Pentane	5.973	57	52007	10.37	ppb(v	82
24) Iodomethane	6.181	142	481062	9.96	ppb(v	86
25) Isopropyl Alcohol	5.747	43	66864	9.86	ppb(v	71
26) 1,1-Dichloroethene	6.248	61	338624	10.27	ppb(v	85
27) Freon 113	6.597	101	414541	10.28	ppb(v	90
28) Methylene Chloride	6.364	84	183114	10.52	ppb(v	85
29) Carbon Disulfide	6.640	76	618933	10.91	ppb(v	100
30) Ethanol	5.122	45	93992	10.89	ppb(v	99
31) Acrylonitrile	5.942	53	157499	10.99	ppb(v	99
32) 3-Chloropropene	6.468	76	93210	10.67	ppb(v	75
33) trans-1,2-Dichloroethene	7.251	61	299810	10.37	ppb(v	87
34) tert-Butyl Alcohol	6.285	59	464847	10.34	ppb(v	96
35) Methyl tert-Butyl Ether	7.508	73	539014	9.84	ppb(v	94
36) Vinyl Acetate	7.606	43	543479	9.68	ppb(v	94
37) 1,1-Dichloroethane	7.453	63	390715	10.18	ppb(v	99
38) 2-Butanone	7.863	72	99115	10.47	ppb(v	64
39) Hexane	8.518	57	325532	10.20	ppb(v#	38
40) cis-1,2-Dichloroethene	8.322	61	289199	10.19	ppb(v	85
41) Di-isopropyl Ether	8.518	87	160979	10.30	ppb(v#	48
42) Ethyl Acetate	8.561	61	73281	10.63	ppb(v	56
43) Methyl Acrylate	8.548	55	407675	10.64	ppb(v#	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14134.D
Acq On : 2 Oct 2015 11:24 am
Operator : YOUMINH
Sample : BS
Misc : MS91996,v5w564,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:12:07 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	Chloroform	8.634	83	439572	10.09	ppb(v	93
45)	2,4-Dimethylpentane	9.478	57	377943	9.98	ppb(v	96
46)	Tetrahydrofuran	9.075	72	96418	10.38	ppb(v	76
47)	1,1,1-Trichloroethane	9.711	97	407203	9.83	ppb(v	98
48)	1,2-Dichloroethane	9.435	62	258451	9.63	ppb(v#	97
49)	Benzene	10.237	78	612835	9.68	ppb(v	97
50)	Carbon Tetrachloride	10.402	117	413795	9.76	ppb(v	98
51)	Cyclohexane	10.537	56	316607	9.82	ppb(v	89
52)	2,3-Dimethylpentane	10.812	71	134674	10.18	ppb(v	87
54)	2,2,4-Trimethylpentane	11.491	57	1087297	11.12	ppb(v#	97
55)	Heptane	11.828	71	203726	10.94	ppb(v	90
56)	Trichloroethene	11.473	95	275150	10.26	ppb(v	84
57)	1,2-Dichloropropane	11.185	63	261788	11.16	ppb(v	99
58)	Dibromomethane	11.167	174	210361	10.03	ppb(v#	62
59)	Ethyl Acrylate	11.210	55	493304	11.02	ppb(v	96
60)	Methyl Methacrylate	11.736	69	221764	10.92	ppb(v	80
61)	1,4-Dioxane	11.491	88	145925	11.12	ppb(v#	1
62)	Bromodichloromethane	11.430	83	476243	10.69	ppb(v	97
63)	cis-1,3-Dichloropropene	12.537	75	371771	10.29	ppb(v	95
64)	4-Methyl-2-pentanone	12.580	58	206301	11.61	ppb(v	80
65)	trans-1,3-Dichloropropene	13.204	75	327540	10.79	ppb(v	93
66)	Toluene	13.773	91	707495	10.32	ppb(v	97
67)	1,1,2-Trichloroethane	13.418	97	253942	10.69	ppb(v	94
68)	2-Hexanone	14.134	58	289437	11.05	ppb(v#	81
69)	Ethyl Methacrylate	14.164	69	399893	11.24	ppb(v	93
70)	Dibromochloromethane	14.324	129	449154	10.45	ppb(v	100
71)	Tetrachloroethene	15.272	166	303646	9.85	ppb(v	94
72)	1,2-Dibromoethane	14.642	107	391667	10.24	ppb(v	99
73)	Octane	15.094	43	513112	10.41	ppb(v#	83
74)	1,1,1,2-Tetrachloroethane	16.189	131	298730	10.26	ppb(v	97
76)	Chlorobenzene	16.214	112	526533	8.96	ppb(v	89
77)	Ethylbenzene	16.752	91	913027	9.40	ppb(v	95
78)	m,p-Xylene	17.021	91	1382455	18.48	ppb(v	94
79)	Styrene	17.541	104	505913	9.37	ppb(v	93
80)	Nonane	18.061	43	522080	9.95	ppb(v#	88
81)	o-Xylene	17.694	91	733632	9.70	ppb(v	94
82)	Bromoform	17.101	173	406708	9.24	ppb(v	99
83)	1,1,2,2-Tetrachloroethane	17.694	83	623448	9.95	ppb(v#	99
84)	1,2,3-Trichloropropane	17.884	75	437522	9.45	ppb(v	92
85)	Isopropylbenzene	18.600	105	969816	9.52	ppb(v	94
86)	Bromobenzene	18.710	156	283496	8.93	ppb(v#	72
87)	2-Chlorotoluene	19.303	126	221652	9.04	ppb(v#	70
88)	n-Propylbenzene	19.371	120	241729	9.30	ppb(v	62
90)	4-Ethyltoluene	19.591	105	893820	9.26	ppb(v	95
91)	1,3,5-Trimethylbenzene	19.707	105	757372	9.14	ppb(v	94
92)	alpha-Methylstyrene	19.933	118	373939	9.30	ppb(v	96
93)	tert-Butylbenzene	20.270	134	153226	9.42	ppb(v#	66
94)	1,2,4-Trimethylbenzene	20.282	105	803807	9.58	ppb(v	92
95)	1,3-Dichlorobenzene	20.472	146	467565	8.84	ppb(v#	92
96)	Benzyl Chloride	20.460	91	732847	9.71	ppb(v	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14134.D
Acq On : 2 Oct 2015 11:24 am
Operator : YOUMINH
Sample : BS
Misc : MS91996,v5w564,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:12:07 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,4-Dichlorobenzene	20.570	146	456926	8.57	ppb(v#	93
98)	sec-Butylbenzene	20.649	134	188834	9.01	ppb(v#	65
99)	p-Isopropyltoluene	20.876	134	213637	9.28	ppb(v	78
100)	1,2-Dichlorobenzene	21.029	146	438386	8.82	ppb(v#	93
101)	n-Butylbenzene	21.438	134	187340	9.10	ppb(v	60
102)	Hexachloroethane	21.903	201	256917	9.10	ppb(v#	67
103)	1,2,4-Trichlorobenzene	23.213	180	231386	8.22	ppb(v	98
104)	Naphthalene	23.335	128	545725	8.76	ppb(v	99
105)	Hexachlorobutadiene	23.788	225	233577	7.92	ppb(v	97
107)	TVHC as equiv Pentane	5.973	TIC	1273459	10.00	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

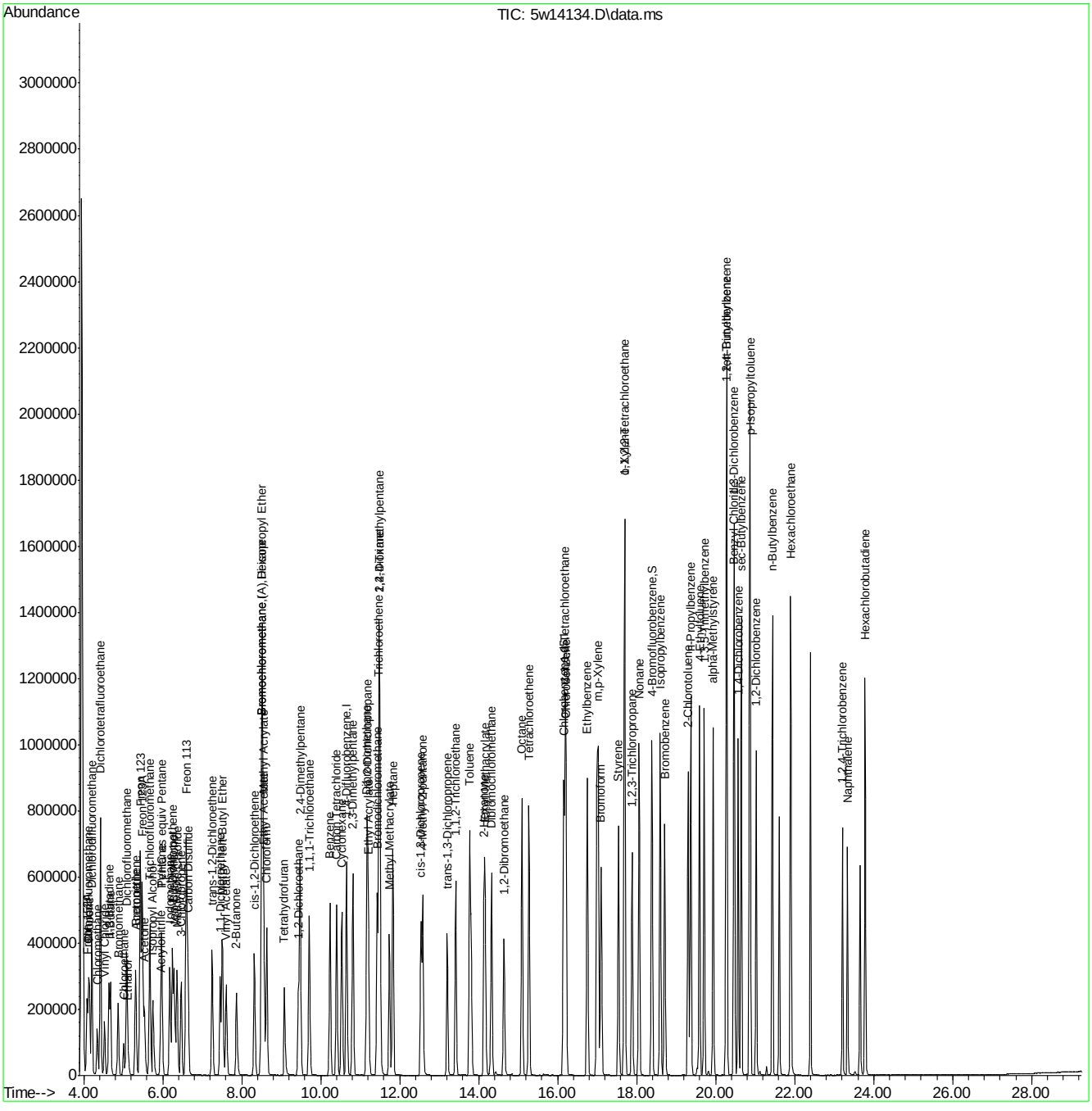
7.3.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14134.D
Acq On : 2 Oct 2015 11:24 am
Operator : YOUMINH
Sample : BS
Misc : MS91996,v5w564,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:12:07 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14135.D
Acq On : 2 Oct 2015 12:15 pm
Operator : YOUMINH
Sample : BSD
Misc : MS91996,v5w564,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:13:05 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.500	130	202609	10.00	ppb(v	#-0.02
53) 1,4-Difluorobenzene	10.653	114	748440	10.00	ppb(v	#-0.03
75) Chlorobenzene-d5	16.153	82	426668	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.500	130	202609	10.00	ppb(v	#-0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.386	95	522227	10.30	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery	=	103.00%	
Target Compounds						Qvalue
3) Freon 152A	4.083	65	131280	9.95	ppb(v	94
4) Chlorodifluoromethane	4.119	67	48852	9.21	ppb(v	99
5) Propene	4.144	41	156868	9.32	ppb(v	98
6) Dichlorodifluoromethane	4.205	85	516422	9.52	ppb(v	100
8) Chloromethane	4.340	50	201785	9.88	ppb(v	99
9) Dichlorotetrafluoroethane	4.419	85	570529	10.07	ppb(v	84
10) Vinyl Chloride	4.523	62	229768	10.63	ppb(v	98
11) 1,3-Butadiene	4.633	54	166024	10.32	ppb(v	95
12) n-Butane	4.676	58	35942	10.69	ppb(v	78
13) Bromomethane	4.866	94	203203	9.78	ppb(v	98
14) Chloroethane	5.013	64	109067	10.60	ppb(v	97
15) Dichlorofluoromethane	5.086	67	493039	9.85	ppb(v	98
16) Acetonitrile	5.312	41	177885	9.79	ppb(v	100
17) Freon 123	5.435	83	524931	9.91	ppb(v	99
18) Freon 123A	5.484	117	262664	9.67	ppb(v	73
19) Bromoethene	5.312	106	192142	9.85	ppb(v#	98
20) Trichlorofluoromethane	5.673	101	486655	9.46	ppb(v	99
21) Acetone	5.533	58	101607	9.92	ppb(v	81
22) Pentane	5.973	57	53024	9.55	ppb(v	86
24) Iodomethane	6.181	142	491000	9.18	ppb(v	86
25) Isopropyl Alcohol	5.747	43	66409	8.84	ppb(v	71
26) 1,1-Dichloroethene	6.242	61	342851	9.40	ppb(v	86
27) Freon 113	6.597	101	423143	9.48	ppb(v	90
28) Methylene Chloride	6.358	84	186949	9.70	ppb(v	84
29) Carbon Disulfide	6.640	76	627579	9.99	ppb(v	99
30) Ethanol	5.123	45	93541	9.79	ppb(v	99
31) Acrylonitrile	5.942	53	160467	10.12	ppb(v	98
32) 3-Chloropropene	6.462	76	95875	9.91	ppb(v	77
33) trans-1,2-Dichloroethene	7.252	61	304038	9.50	ppb(v	87
34) tert-Butyl Alcohol	6.285	59	465900	9.37	ppb(v	97
35) Methyl tert-Butyl Ether	7.509	73	548121	9.04	ppb(v	94
36) Vinyl Acetate	7.606	43	552086	8.88	ppb(v	94
37) 1,1-Dichloroethane	7.454	63	399344	9.40	ppb(v	98
38) 2-Butanone	7.863	72	100739	9.61	ppb(v	67
39) Hexane	8.518	57	331296	9.38	ppb(v#	37
40) cis-1,2-Dichloroethene	8.322	61	295428	9.41	ppb(v	85
41) Di-isopropyl Ether	8.518	87	165095	9.54	ppb(v#	52
42) Ethyl Acetate	8.561	61	74663	9.79	ppb(v	64
43) Methyl Acrylate	8.549	55	416783	9.83	ppb(v#	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14135.D
Acq On : 2 Oct 2015 12:15 pm
Operator : YOUMINH
Sample : BSD
Misc : MS91996,v5w564,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:13:05 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Chloroform	8.634	83	446122	9.25	ppb(v	94
45) 2,4-Dimethylpentane	9.478	57	386542	9.22	ppb(v	96
46) Tetrahydrofuran	9.075	72	99055	9.64	ppb(v	82
47) 1,1,1-Trichloroethane	9.711	97	417576	9.11	ppb(v	98
48) 1,2-Dichloroethane	9.436	62	265686	8.94	ppb(v#	96
49) Benzene	10.237	78	621141	8.86	ppb(v	96
50) Carbon Tetrachloride	10.402	117	420321	8.96	ppb(v	98
51) Cyclohexane	10.531	56	326633	9.15	ppb(v	89
52) 2,3-Dimethylpentane	10.812	71	137279	9.37	ppb(v	87
54) 2,2,4-Trimethylpentane	11.491	57	1103108	9.92	ppb(v#	97
55) Heptane	11.828	71	208270	9.84	ppb(v#	91
56) Trichloroethene	11.473	95	280565	9.20	ppb(v	85
57) 1,2-Dichloropropane	11.185	63	269518	10.10	ppb(v	98
58) Dibromomethane	11.167	174	216527	9.08	ppb(v#	62
59) Ethyl Acrylate	11.210	55	506821	9.96	ppb(v	96
60) Methyl Methacrylate	11.736	69	227692	9.86	ppb(v	81
61) 1,4-Dioxane	11.491	88	148392	9.95	ppb(v#	3
62) Bromodichloromethane	11.430	83	485688	9.59	ppb(v	98
63) cis-1,3-Dichloropropene	12.537	75	379620	9.25	ppb(v	94
64) 4-Methyl-2-pentanone	12.580	58	210894	10.44	ppb(v	81
65) trans-1,3-Dichloropropene	13.204	75	338962	9.83	ppb(v	93
66) Toluene	13.773	91	726626	9.33	ppb(v	97
67) 1,1,2-Trichloroethane	13.418	97	261367	9.68	ppb(v	94
68) 2-Hexanone	14.134	58	297117	9.98	ppb(v	80
69) Ethyl Methacrylate	14.165	69	411971	10.19	ppb(v	93
70) Dibromochloromethane	14.324	129	464448	9.50	ppb(v	99
71) Tetrachloroethene	15.272	166	309831	8.84	ppb(v	94
72) 1,2-Dibromoethane	14.642	107	408319	9.39	ppb(v	100
73) Octane	15.095	43	525279	9.38	ppb(v#	83
74) 1,1,1,2-Tetrachloroethane	16.190	131	304572	9.20	ppb(v	97
76) Chlorobenzene	16.214	112	536843	8.65	ppb(v	90
77) Ethylbenzene	16.752	91	928251	9.05	ppb(v	95
78) m,p-Xylene	17.003	91	1417765	17.94	ppb(v	94
79) Styrene	17.542	104	512993	8.99	ppb(v	93
80) Nonane	18.062	43	527078	9.51	ppb(v#	88
81) o-Xylene	17.695	91	740567	9.26	ppb(v	94
82) Bromoform	17.101	173	414488	8.91	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.695	83	632722	9.56	ppb(v#	98
84) 1,2,3-Trichloropropane	17.884	75	443376	9.07	ppb(v	92
85) Isopropylbenzene	18.600	105	984863	9.15	ppb(v	94
86) Bromobenzene	18.710	156	288854	8.61	ppb(v#	72
87) 2-Chlorotoluene	19.304	126	231125	8.92	ppb(v#	68
88) n-Propylbenzene	19.371	120	249726	9.10	ppb(v	64
90) 4-Ethyltoluene	19.591	105	908354	8.91	ppb(v	95
91) 1,3,5-Trimethylbenzene	19.707	105	772982	8.83	ppb(v	94
92) alpha-Methylstyrene	19.940	118	378704	8.92	ppb(v	97
93) tert-Butylbenzene	20.270	134	155327	9.04	ppb(v#	66
94) 1,2,4-Trimethylbenzene	20.282	105	809326	9.13	ppb(v	93
95) 1,3-Dichlorobenzene	20.472	146	478673	8.56	ppb(v#	92
96) Benzyl Chloride	20.460	91	755716	9.48	ppb(v	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14135.D
Acq On : 2 Oct 2015 12:15 pm
Operator : YOUMINH
Sample : BSD
Misc : MS91996,v5w564,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:13:05 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,4-Dichlorobenzene	20.570	146	468066	8.31	ppb(v#	94
98)	sec-Butylbenzene	20.649	134	194992	8.81	ppb(v#	62
99)	p-Isopropyltoluene	20.876	134	222744	9.16	ppb(v	79
100)	1,2-Dichlorobenzene	21.029	146	449047	8.55	ppb(v#	93
101)	n-Butylbenzene	21.439	134	192464	8.85	ppb(v	57
102)	Hexachloroethane	21.904	201	265977	8.92	ppb(v#	65
103)	1,2,4-Trichlorobenzene	23.213	180	240339	8.08	ppb(v	99
104)	Naphthalene	23.335	128	560517	8.52	ppb(v	100
105)	Hexachlorobutadiene	23.788	225	248205	7.97	ppb(v	98
107)	TVHC as equiv Pentane	5.973	TIC	1285368	9.12	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

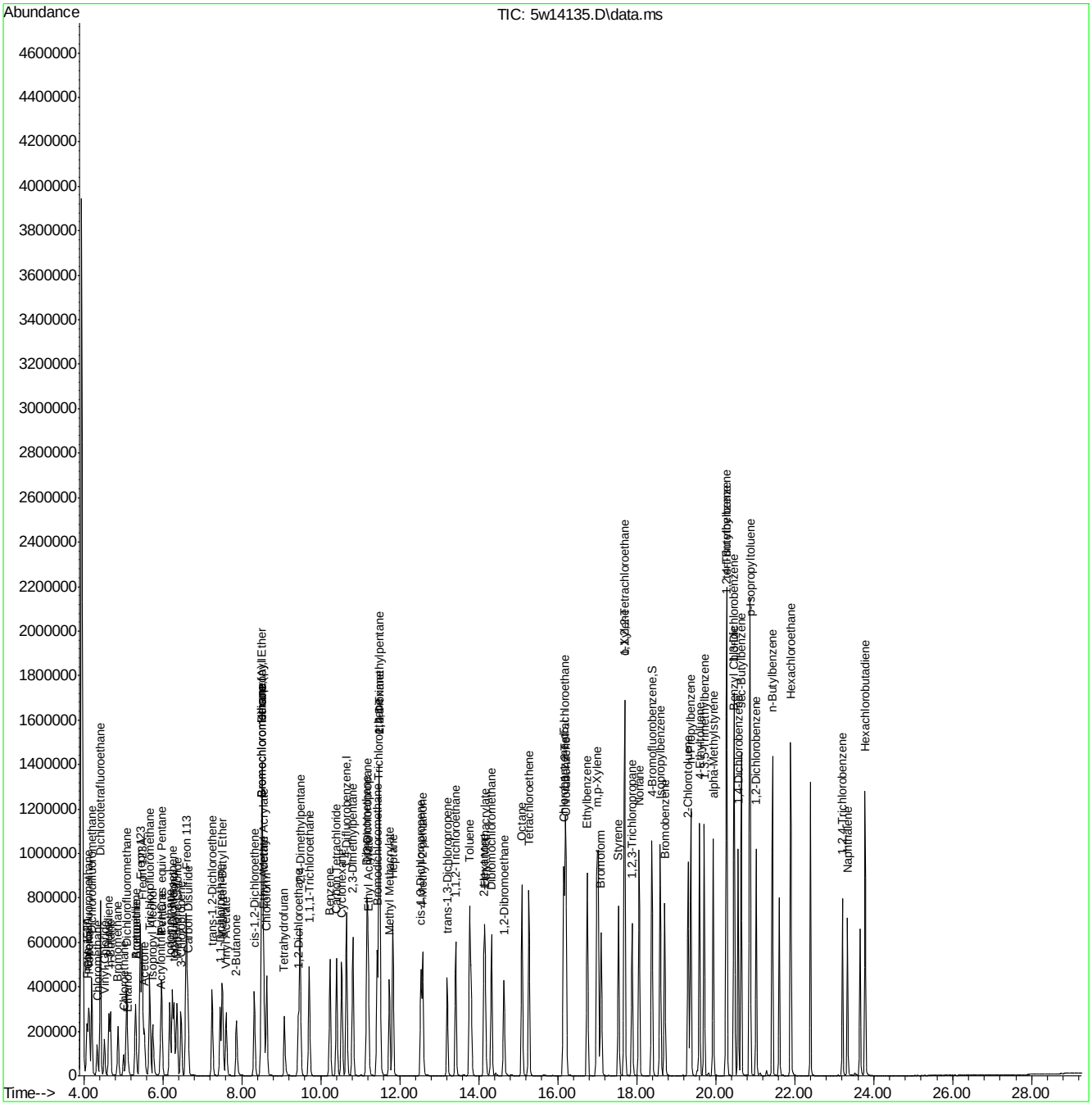
7.3.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14135.D
Acq On : 2 Oct 2015 12:15 pm
Operator : YOUMINH
Sample : BSD
Misc : MS91996,v5w564,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 11:13:05 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14155.D
Acq On : 5 Oct 2015 10:10 am
Operator : YOUMINH
Sample : BS
Misc : MS92139,v5w565,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 14:49:59 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.493	130	179693	10.00	ppb(v	#-0.03
53) 1,4-Difluorobenzene	10.647	114	662379	10.00	ppb(v	#-0.04
75) Chlorobenzene-d5	16.147	82	360905	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.493	130	179693	10.00	ppb(v	#-0.03
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.380	95	443994	10.36	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 103.60%			
Target Compounds						Qvalue
3) Freon 152A	4.083	65	124358	10.63	ppb(v	92
4) Chlorodifluoromethane	4.125	67	46832	9.95	ppb(v	98
5) Propene	4.150	41	149111	9.99	ppb(v	97
6) Dichlorodifluoromethane	4.211	85	498299	10.36	ppb(v	99
8) Chloromethane	4.346	50	191205	10.56	ppb(v	100
9) Dichlorotetrafluoroethane	4.425	85	548857	10.92	ppb(v	87
10) Vinyl Chloride	4.529	62	218103	11.37	ppb(v	99
11) 1,3-Butadiene	4.639	54	155228	10.88	ppb(v	95
12) n-Butane	4.682	58	33419	11.21	ppb(v	77
13) Bromomethane	4.872	94	196718	10.68	ppb(v	98
14) Chloroethane	5.012	64	100268	10.99	ppb(v	98
15) Dichlorofluoromethane	5.086	67	464613	10.47	ppb(v	98
16) Acetonitrile	5.312	41	161281	10.01	ppb(v	96
17) Freon 123	5.435	83	500679	10.66	ppb(v	99
18) Freon 123A	5.484	117	254322	10.56	ppb(v	79
19) Bromoethene	5.312	106	186464	10.78	ppb(v#	97
20) Trichlorofluoromethane	5.673	101	462372	10.13	ppb(v	99
21) Acetone	5.532	58	92137	10.14	ppb(v	79
22) Pentane	5.973	57	48125	9.77	ppb(v	88
24) Iodomethane	6.181	142	472763	9.97	ppb(v	87
25) Isopropyl Alcohol	5.747	43	59602	8.95	ppb(v	70
26) 1,1-Dichloroethene	6.242	61	314696	9.73	ppb(v	87
27) Freon 113	6.597	101	396133	10.01	ppb(v	92
28) Methylene Chloride	6.358	84	173603	10.15	ppb(v	87
29) Carbon Disulfide	6.640	76	574170	10.30	ppb(v	100
30) Ethanol	5.123	45	85291	10.06	ppb(v	99
31) Acrylonitrile	5.942	53	144342	10.26	ppb(v	99
32) 3-Chloropropene	6.468	76	87701	10.22	ppb(v	82
33) trans-1,2-Dichloroethene	7.252	61	271041	9.55	ppb(v	88
34) tert-Butyl Alcohol	6.285	59	437453	9.92	ppb(v	97
35) Methyl tert-Butyl Ether	7.502	73	503728	9.36	ppb(v	95
36) Vinyl Acetate	7.606	43	485163	8.80	ppb(v	95
37) 1,1-Dichloroethane	7.453	63	358377	9.51	ppb(v	99
38) 2-Butanone	7.857	72	90375	9.73	ppb(v	70
39) Hexane	8.518	57	294807	9.41	ppb(v#	39
40) cis-1,2-Dichloroethene	8.322	61	262979	9.44	ppb(v	88
41) Di-isopropyl Ether	8.518	87	152435	9.93	ppb(v	62
42) Ethyl Acetate	8.555	61	67061	9.91	ppb(v	64
43) Methyl Acrylate	8.549	55	367227	9.77	ppb(v#	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14155.D
Acq On : 5 Oct 2015 10:10 am
Operator : YOUMINH
Sample : BS
Misc : MS92139,v5w565,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 14:49:59 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Chloroform	8.634	83	411358	9.62	ppb(v	95
45) 2,4-Dimethylpentane	9.478	57	342341	9.21	ppb(v	97
46) Tetrahydrofuran	9.075	72	88904	9.75	ppb(v	84
47) 1,1,1-Trichloroethane	9.705	97	383449	9.43	ppb(v	98
48) 1,2-Dichloroethane	9.429	62	236982	8.99	ppb(v	96
49) Benzene	10.231	78	568437	9.14	ppb(v	97
50) Carbon Tetrachloride	10.402	117	392949	9.44	ppb(v	98
51) Cyclohexane	10.531	56	284392	8.98	ppb(v	91
52) 2,3-Dimethylpentane	10.812	71	122812	9.45	ppb(v	88
54) 2,2,4-Trimethylpentane	11.491	57	963656	9.79	ppb(v#	97
55) Heptane	11.821	71	187581	10.01	ppb(v	92
56) Trichloroethene	11.473	95	259558	9.62	ppb(v	87
57) 1,2-Dichloropropane	11.179	63	236274	10.01	ppb(v	99
58) Dibromomethane	11.161	174	210775	9.98	ppb(v#	68
59) Ethyl Acrylate	11.210	55	439875	9.76	ppb(v	96
60) Methyl Methacrylate	11.736	69	202270	9.90	ppb(v	87
61) 1,4-Dioxane	11.485	88	137031	10.38	ppb(v#	14
62) Bromodichloromethane	11.424	83	443014	9.88	ppb(v	97
63) cis-1,3-Dichloropropene	12.537	75	342180	9.42	ppb(v	96
64) 4-Methyl-2-pentanone	12.574	58	183270	10.25	ppb(v	83
65) trans-1,3-Dichloropropene	13.204	75	301228	9.87	ppb(v	94
66) Toluene	13.767	91	668425	9.70	ppb(v	98
67) 1,1,2-Trichloroethane	13.412	97	242985	10.17	ppb(v	96
68) 2-Hexanone	14.128	58	265911	10.09	ppb(v	81
69) Ethyl Methacrylate	14.158	69	369506	10.33	ppb(v	93
70) Dibromochloromethane	14.324	129	431363	9.97	ppb(v	99
71) Tetrachloroethene	15.272	166	304769	9.82	ppb(v	96
72) 1,2-Dibromoethane	14.636	107	376559	9.78	ppb(v	100
73) Octane	15.094	43	447041	9.02	ppb(v	87
74) 1,1,1,2-Tetrachloroethane	16.183	131	287868	9.82	ppb(v	96
76) Chlorobenzene	16.208	112	503912	9.59	ppb(v	91
77) Ethylbenzene	16.746	91	852912	9.83	ppb(v	95
78) m,p-Xylene	17.015	91	1294565	19.36	ppb(v	96
79) Styrene	17.535	104	478858	9.93	ppb(v	95
80) Nonane	18.055	43	449694	9.59	ppb(v#	90
81) o-Xylene	17.688	91	682536	10.09	ppb(v	95
82) Bromoform	17.095	173	407580	10.36	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.688	83	582497	10.41	ppb(v#	99
84) 1,2,3-Trichloropropane	17.878	75	399797	9.67	ppb(v	93
85) Isopropylbenzene	18.594	105	918138	10.09	ppb(v	95
86) Bromobenzene	18.710	156	281656	9.93	ppb(v#	81
87) 2-Chlorotoluene	19.297	126	221473	10.11	ppb(v#	74
88) n-Propylbenzene	19.365	120	240649	10.36	ppb(v	68
90) 4-Ethyltoluene	19.585	105	859732	9.97	ppb(v	95
91) 1,3,5-Trimethylbenzene	19.701	105	732420	9.90	ppb(v	95
92) alpha-Methylstyrene	19.934	118	367288	10.22	ppb(v	97
93) tert-Butylbenzene	20.264	134	151129	10.39	ppb(v	73
94) 1,2,4-Trimethylbenzene	20.276	105	767361	10.24	ppb(v	94
95) 1,3-Dichlorobenzene	20.472	146	470242	9.95	ppb(v#	94
96) Benzyl Chloride	20.460	91	701509	10.40	ppb(v	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14155.D
Acq On : 5 Oct 2015 10:10 am
Operator : YOUMINH
Sample : BS
Misc : MS92139,v5w565,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 14:49:59 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,4-Dichlorobenzene	20.564	146	458921	9.63	ppb(v#	94
98)	sec-Butylbenzene	20.643	134	187908	10.04	ppb(v	69
99)	p-Isopropyltoluene	20.870	134	214564	10.43	ppb(v#	79
100)	1,2-Dichlorobenzene	21.023	146	437054	9.84	ppb(v#	94
101)	n-Butylbenzene	21.432	134	188876	10.27	ppb(v	64
102)	Hexachloroethane	21.897	201	266756	10.58	ppb(v#	69
103)	1,2,4-Trichlorobenzene	23.207	180	236234	9.39	ppb(v	99
104)	Naphthalene	23.335	128	536433	9.64	ppb(v	100
105)	Hexachlorobutadiene	23.782	225	243188	9.23	ppb(v	98
107)	TVHC as equiv Pentane	5.973	TIC	1160877	9.28	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

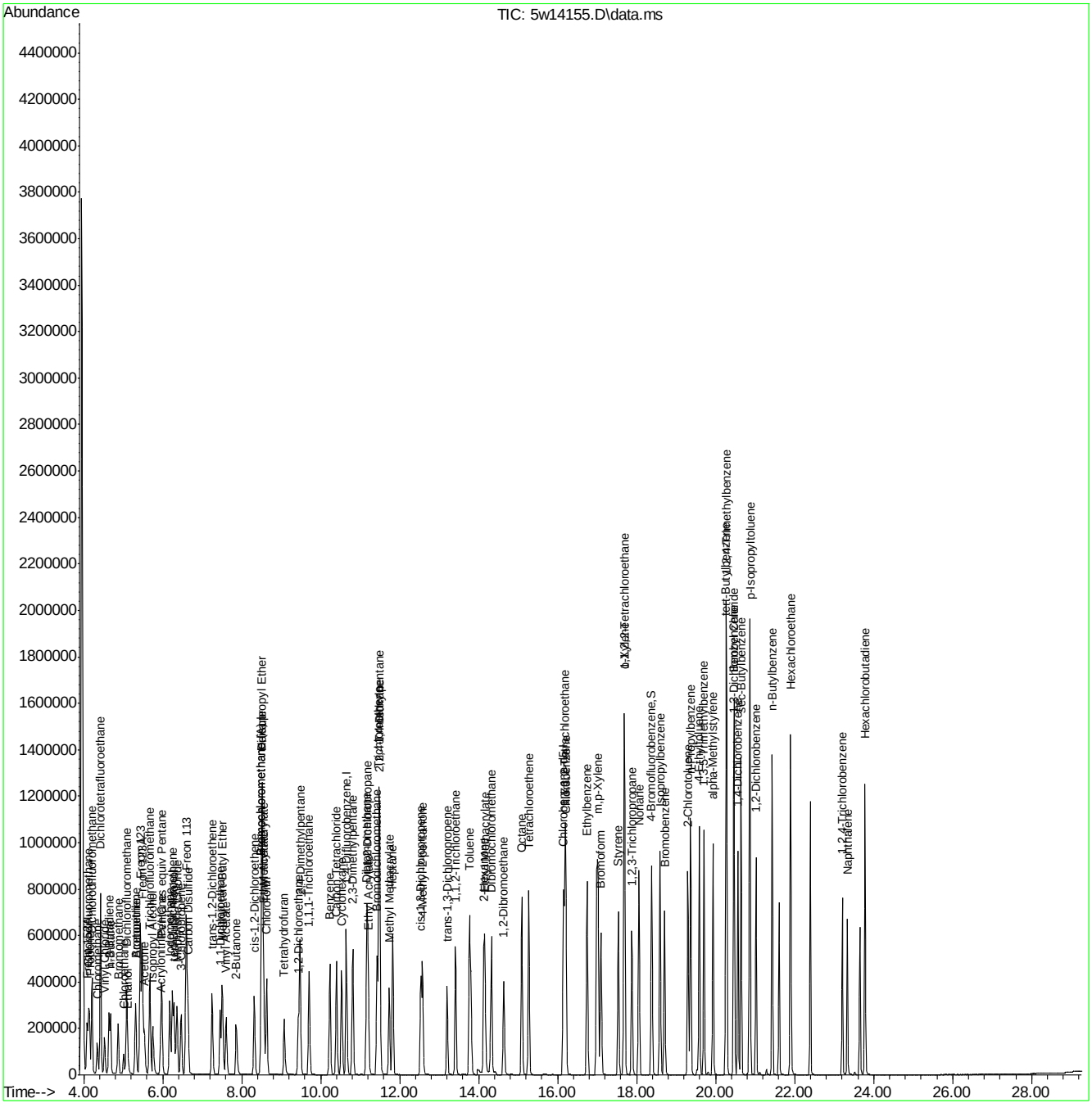
7.3.9

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14155.D
Acq On : 5 Oct 2015 10:10 am
Operator : YOUMINH
Sample : BS
Misc : MS92139,v5w565,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 14:49:59 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14156.D
Acq On : 5 Oct 2015 10:52 am
Operator : YOUMINH
Sample : BSD
Misc : MS92139,v5w565,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 14:50:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.494	130	181702	10.00	ppb(v	#-0.03
53) 1,4-Difluorobenzene	10.647	114	667922	10.00	ppb(v	#-0.04
75) Chlorobenzene-d5	16.147	82	373269	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.494	130	181702	10.00	ppb(v	#-0.03
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.380	95	449346	10.14	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.40%			
Target Compounds						Qvalue
3) Freon 152A	4.083	65	117640	9.94	ppb(v	94
4) Chlorodifluoromethane	4.119	67	43915	9.23	ppb(v	98
5) Propene	4.144	41	132989	8.81	ppb(v	97
6) Dichlorodifluoromethane	4.205	85	480576	9.88	ppb(v	100
8) Chloromethane	4.346	50	176546	9.64	ppb(v	100
9) Dichlorotetrafluoroethane	4.425	85	534626	10.52	ppb(v	89
10) Vinyl Chloride	4.529	62	206373	10.64	ppb(v#	99
11) 1,3-Butadiene	4.639	54	146621	10.16	ppb(v	96
12) n-Butane	4.682	58	31943	10.60	ppb(v	89
13) Bromomethane	4.872	94	191783	10.30	ppb(v	98
14) Chloroethane	5.013	64	97764	10.59	ppb(v	97
15) Dichlorofluoromethane	5.086	67	448865	10.00	ppb(v	99
16) Acetonitrile	5.312	41	150937	9.27	ppb(v	96
17) Freon 123	5.435	83	485621	10.23	ppb(v	98
18) Freon 123A	5.484	117	253146	10.40	ppb(v	79
19) Bromoethene	5.312	106	182681	10.45	ppb(v#	98
20) Trichlorofluoromethane	5.673	101	456541	9.89	ppb(v	100
21) Acetone	5.527	58	89711	9.77	ppb(v	82
22) Pentane	5.973	57	46508	9.34	ppb(v	87
24) Iodomethane	6.181	142	469504	9.79	ppb(v	88
25) Isopropyl Alcohol	5.741	43	59321	8.81	ppb(v	72
26) 1,1-Dichloroethene	6.242	61	304448	9.30	ppb(v	88
27) Freon 113	6.597	101	392423	9.80	ppb(v	92
28) Methylene Chloride	6.359	84	170359	9.85	ppb(v	88
29) Carbon Disulfide	6.640	76	565582	10.04	ppb(v	100
30) Ethanol	5.117	45	80413	9.38	ppb(v	99
31) Acrylonitrile	5.942	53	139895	9.83	ppb(v	99
32) 3-Chloropropene	6.469	76	86146	9.93	ppb(v	85
33) trans-1,2-Dichloroethene	7.252	61	268810	9.37	ppb(v	90
34) tert-Butyl Alcohol	6.279	59	429605	9.63	ppb(v	97
35) Methyl tert-Butyl Ether	7.503	73	491301	9.03	ppb(v	95
36) Vinyl Acetate	7.600	43	475864	8.54	ppb(v	95
37) 1,1-Dichloroethane	7.454	63	349479	9.18	ppb(v	99
38) 2-Butanone	7.857	72	87814	9.35	ppb(v	72
39) Hexane	8.512	57	292259	9.22	ppb(v#	39
40) cis-1,2-Dichloroethene	8.316	61	260634	9.25	ppb(v	88
41) Di-isopropyl Ether	8.512	87	152331	9.82	ppb(v	63
42) Ethyl Acetate	8.555	61	66120	9.66	ppb(v	64
43) Methyl Acrylate	8.543	55	363657	9.56	ppb(v#	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14156.D
Acq On : 5 Oct 2015 10:52 am
Operator : YOUMINH
Sample : BSD
Misc : MS92139,v5w565,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 14:50:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Chloroform	8.628	83	411328	9.51	ppb(v	94
45) 2,4-Dimethylpentane	9.472	57	342011	9.10	ppb(v	97
46) Tetrahydrofuran	9.069	72	88873	9.64	ppb(v	82
47) 1,1,1-Trichloroethane	9.705	97	382493	9.30	ppb(v	98
48) 1,2-Dichloroethane	9.430	62	237684	8.92	ppb(v	96
49) Benzene	10.231	78	565523	9.00	ppb(v	97
50) Carbon Tetrachloride	10.402	117	395039	9.39	ppb(v	99
51) Cyclohexane	10.531	56	284468	8.89	ppb(v	91
52) 2,3-Dimethylpentane	10.812	71	124603	9.49	ppb(v	88
54) 2,2,4-Trimethylpentane	11.485	57	974376	9.82	ppb(v#	97
55) Heptane	11.822	71	188164	9.96	ppb(v	93
56) Trichloroethene	11.467	95	260197	9.56	ppb(v	87
57) 1,2-Dichloropropane	11.179	63	236350	9.93	ppb(v	99
58) Dibromomethane	11.161	174	209031	9.82	ppb(v#	68
59) Ethyl Acrylate	11.204	55	439900	9.68	ppb(v	97
60) Methyl Methacrylate	11.730	69	203434	9.87	ppb(v	85
61) 1,4-Dioxane	11.485	88	137559	10.34	ppb(v#	10
62) Bromodichloromethane	11.424	83	444211	9.83	ppb(v	98
63) cis-1,3-Dichloropropene	12.531	75	344739	9.41	ppb(v	95
64) 4-Methyl-2-pentanone	12.574	58	184628	10.24	ppb(v	83
65) trans-1,3-Dichloropropene	13.198	75	301542	9.79	ppb(v	94
66) Toluene	13.767	91	675599	9.72	ppb(v	98
67) 1,1,2-Trichloroethane	13.412	97	245092	10.17	ppb(v	96
68) 2-Hexanone	14.128	58	260152	9.79	ppb(v	84
69) Ethyl Methacrylate	14.159	69	365395	10.13	ppb(v	95
70) Dibromochloromethane	14.318	129	447967	10.27	ppb(v	99
71) Tetrachloroethene	15.266	166	309837	9.90	ppb(v	95
72) 1,2-Dibromoethane	14.636	107	383721	9.89	ppb(v	100
73) Octane	15.095	43	450535	9.01	ppb(v	87
74) 1,1,1,2-Tetrachloroethane	16.184	131	292922	9.91	ppb(v	96
76) Chlorobenzene	16.208	112	506694	9.33	ppb(v	92
77) Ethylbenzene	16.746	91	861699	9.60	ppb(v	96
78) m,p-Xylene	17.016	91	1302190	18.83	ppb(v	96
79) Styrene	17.536	104	479636	9.61	ppb(v	94
80) Nonane	18.056	43	454968	9.38	ppb(v#	90
81) o-Xylene	17.689	91	688975	9.85	ppb(v	94
82) Bromoform	17.101	173	407224	10.01	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.689	83	587937	10.16	ppb(v#	99
84) 1,2,3-Trichloropropane	17.878	75	407109	9.52	ppb(v	93
85) Isopropylbenzene	18.594	105	930499	9.89	ppb(v	95
86) Bromobenzene	18.710	156	281221	9.59	ppb(v	81
87) 2-Chlorotoluene	19.297	126	218296	9.64	ppb(v#	72
88) n-Propylbenzene	19.371	120	237768	9.90	ppb(v	73
90) 4-Ethyltoluene	19.585	105	868064	9.73	ppb(v	96
91) 1,3,5-Trimethylbenzene	19.707	105	731068	9.55	ppb(v	95
92) alpha-Methylstyrene	19.934	118	368265	9.91	ppb(v	97
93) tert-Butylbenzene	20.264	134	150493	10.01	ppb(v	73
94) 1,2,4-Trimethylbenzene	20.276	105	770548	9.94	ppb(v	93
95) 1,3-Dichlorobenzene	20.472	146	466947	9.55	ppb(v#	94
96) Benzyl Chloride	20.460	91	701478	10.06	ppb(v	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14156.D
Acq On : 5 Oct 2015 10:52 am
Operator : YOUMINH
Sample : BSD
Misc : MS92139,v5w565,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 14:50:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,4-Dichlorobenzene	20.564	146	454733	9.23	ppb(v#	94
98) sec-Butylbenzene	20.643	134	188443	9.73	ppb(v	67
99) p-Isopropyltoluene	20.870	134	216210	10.16	ppb(v	79
100) 1,2-Dichlorobenzene	21.023	146	439819	9.57	ppb(v#	94
101) n-Butylbenzene	21.433	134	186274	9.79	ppb(v	60
102) Hexachloroethane	21.897	201	265867	10.19	ppb(v#	66
103) 1,2,4-Trichlorobenzene	23.207	180	232893	8.95	ppb(v	98
104) Naphthalene	23.335	128	533479	9.27	ppb(v	99
105) Hexachlorobutadiene	23.782	225	237571	8.72	ppb(v	98
107) TVHC as equiv Pentane	5.973	TIC	1119606	8.86	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

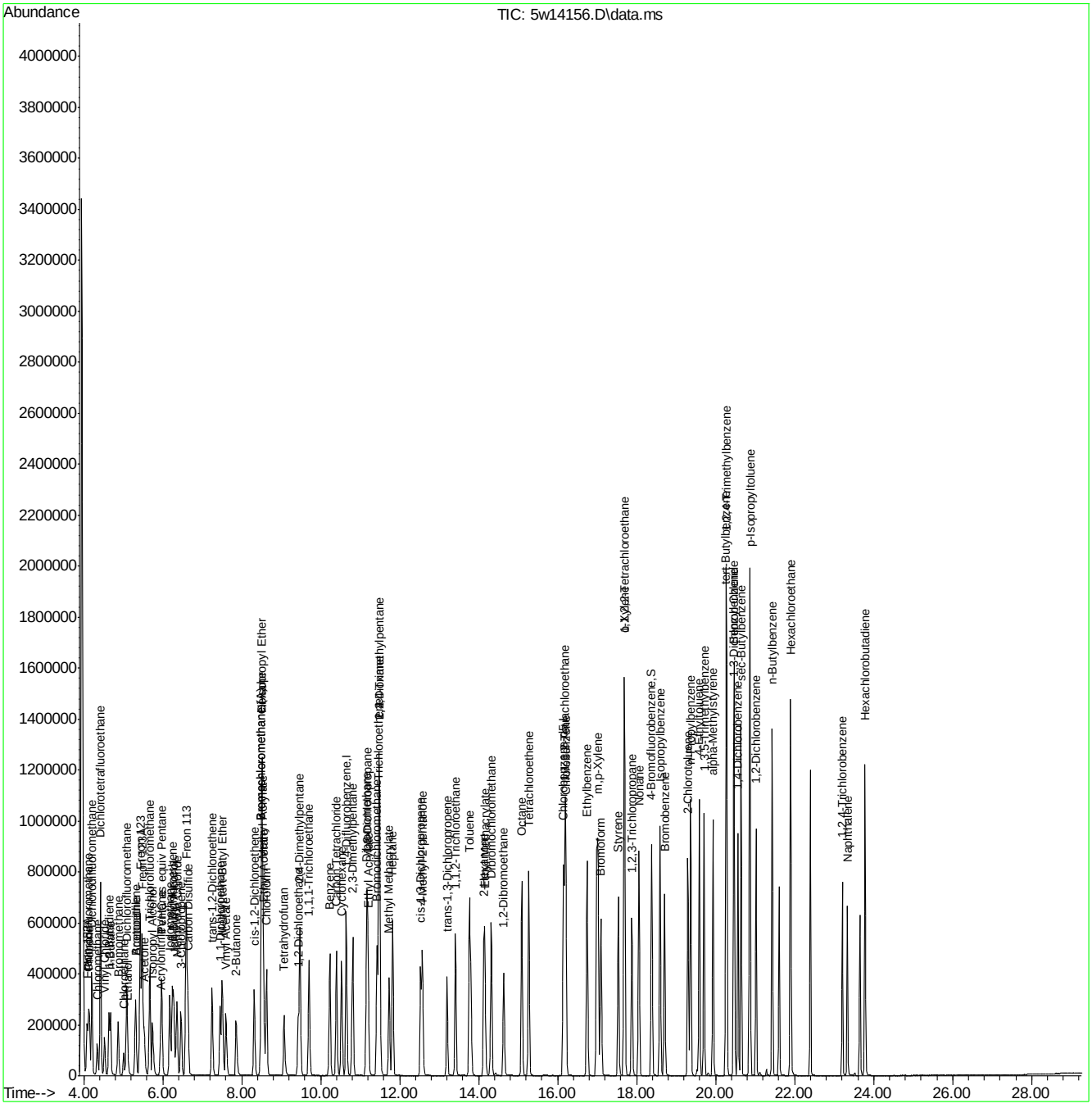
7.3.10

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14156.D
Acq On : 5 Oct 2015 10:52 am
Operator : YOUMINH
Sample : BSD
Misc : MS92139,v5w565,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 14:50:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



Manual Integrations
APPROVED
(compounds with "m" flag)
Dana Tryon
11/03/15 17:10

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52220.D Vial: 11
Acq On : 29 Oct 2015 7:37 pm Operator: youminh
Sample : JC7140-1DUP Inst : MSW
Misc : MS93657,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:05:39 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

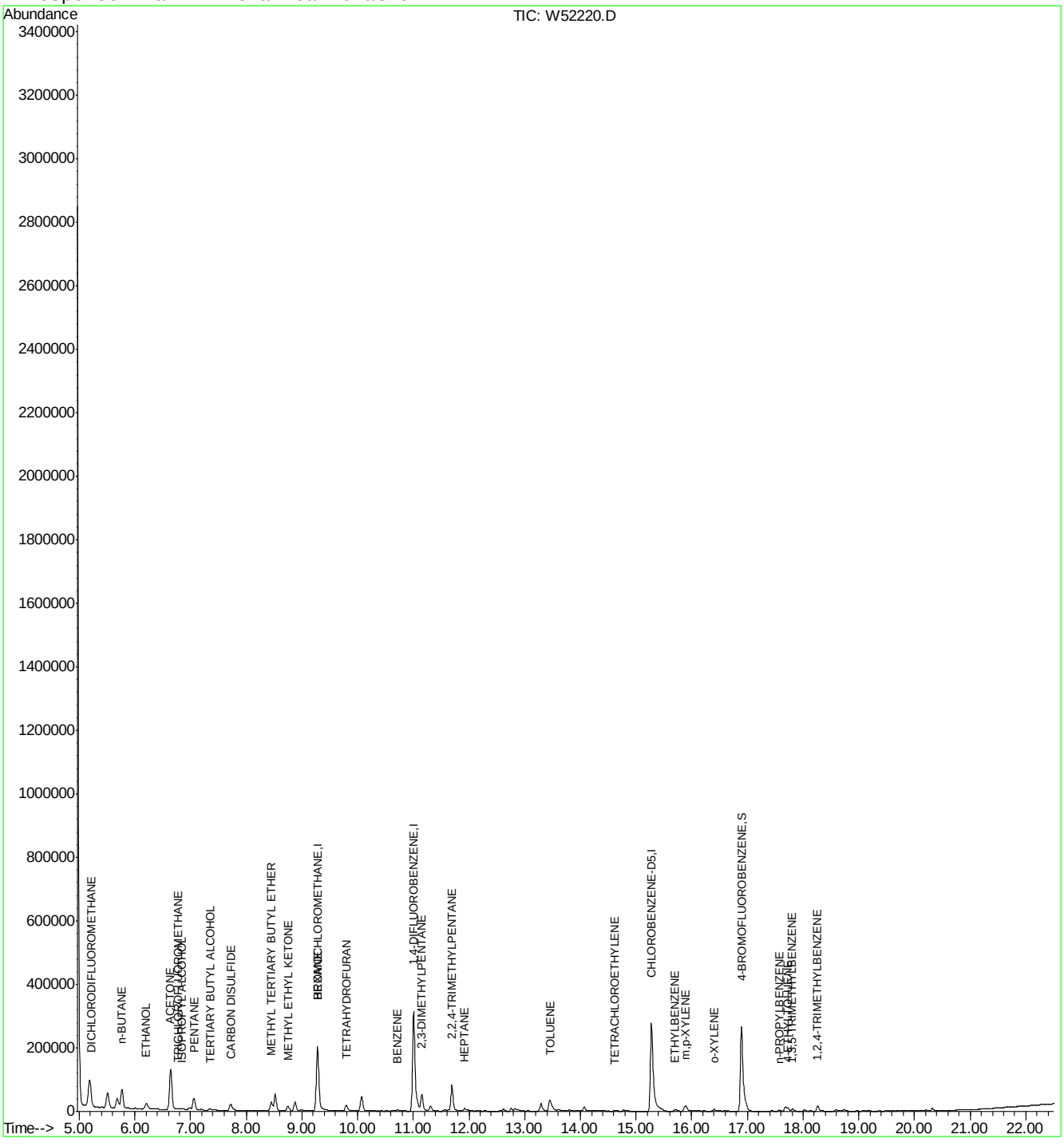
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	89358	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.00	114	450379	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	198755	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	203690	9.37	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 93.70%			
Target Compounds						Qvalue
5) DICHLORODIFLUOROMETHANE	5.23	85	4036	0.14	PPBV	98
12) n-BUTANE	5.77	58	13422	4.61	PPBV #	95
17) TRICHLOROFLUOROMETHANE	6.77	101	4726	0.18	PPBV	98
18) ISOPROPYL ALCOHOL	6.83	45	4659	0.19	PPBV #	34
19) ACETONE	6.64	58	27337	4.15	PPBV #	1
22) PENTANE	7.06	57	6289	1.71	PPBV	92
25) CARBON DISULFIDE	7.72	76	51376	1.42	PPBV	95
26) ETHANOL	6.21	45	44967	7.99	PPBV	100
33) TERTIARY BUTYL ALCOHOL	7.35	59	6294	0.24	PPBV #	66
34) METHYL TERTIARY BUTYL ETHE	8.45	73	5905	0.18	PPBV #	1
35) TETRAHYDROFURAN	9.80	72	8529	1.49	PPBV #	89
36) HEXANE	9.28	57	15400	0.72	PPBV	90
39) METHYL ETHYL KETONE	8.75	72	8771	1.50	PPBV	99
50) BENZENE	10.72	78	6143	0.16	PPBV	96
52) 2,3-DIMETHYLPENTANE	11.16	71	12408	1.44	PPBV	91
58) 2,2,4-TRIMETHYLPENTANE	11.69	57	110938	1.73	PPBV	90
61) HEPTANE	11.92	43	6152	0.27	PPBV #	61
64) TOLUENE	13.47	92	13165	0.51	PPBV	96
70) TETRACHLOROETHYLENE	14.62	164	616	0.04	PPBV	92
76) ETHYLBENZENE	15.70	91	9728	0.20	PPBV	96
77) m,p-XYLENE	15.89	106	13058	0.66	PPBV	99
78) o-XYLENE	16.40	106	3749	0.21	PPBV	92
88) n-PROPYLBENZENE	17.57	120	1498	0.11	PPBV #	45
89) 4-ETHYLTOLUENE	17.72	105	10188m	0.23	PPBV	
90) 1,3,5-TRIMETHYLBENZENE	17.80	105	8444	0.19	PPBV	97
93) 1,2,4-TRIMETHYLBENZENE	18.26	105	18163	0.46	PPBV #	35

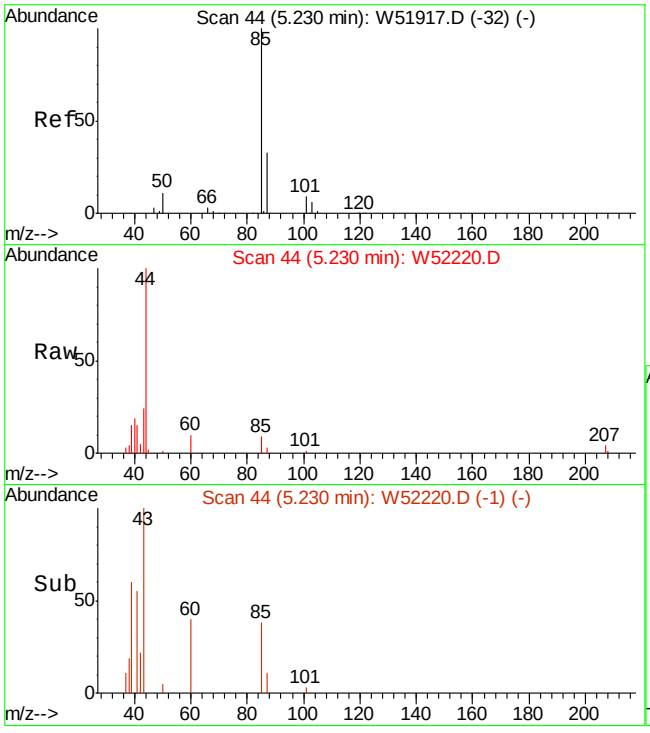
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52220.D Vial: 11
Acq On : 29 Oct 2015 7:37 pm Operator: youminh
Sample : JC7140-1DUP Inst : MSW
Misc : MS93657,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:24 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

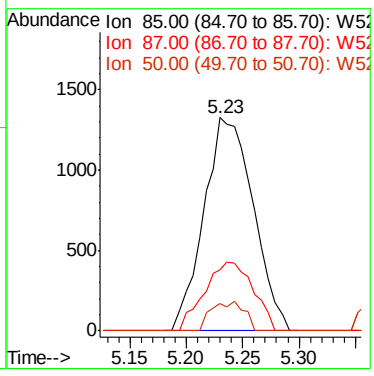


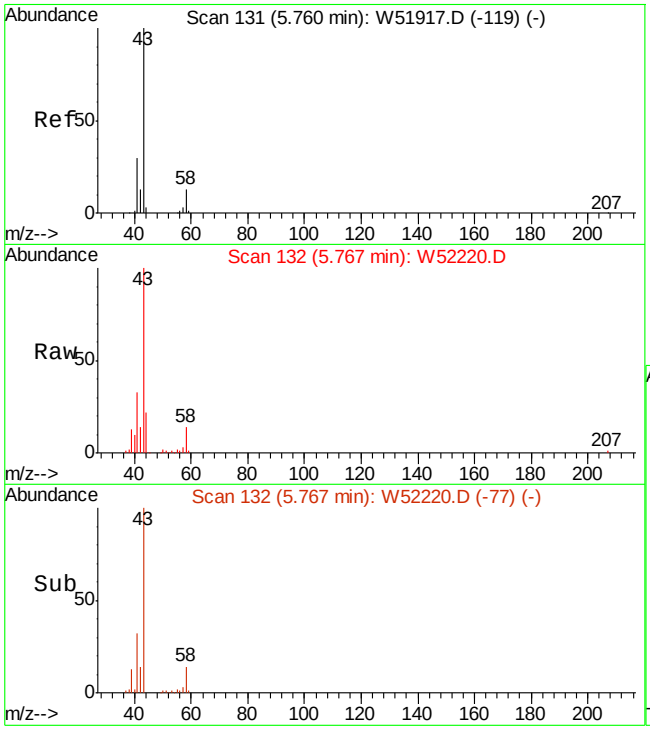


#5
DICHLORODIFLUOROMETHANE
Concen: 0.14 PPBV
RT: 5.23 min Scan# 44
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 85 Resp: 4036

Ion	Ratio	Lower	Upper
85	100		
87	31.8	12.4	52.4
50	9.0	0.0	30.9

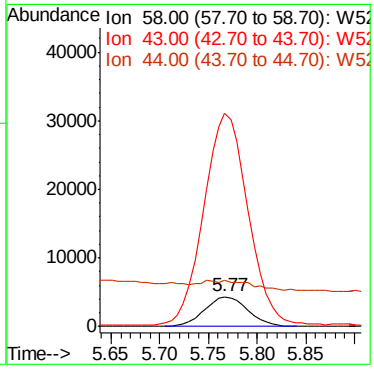


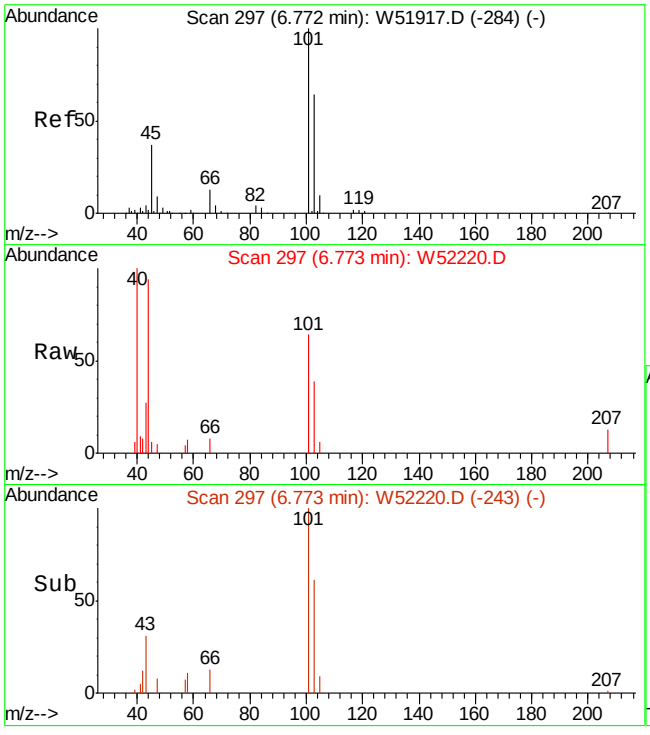


#12
n-BUTANE
Concen: 4.61 PPBV
RT: 5.77 min Scan# 132
Delta R.T. 0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 58 Resp: 13422

Ion	Ratio	Lower	Upper
58	100		
43	735.5	577.4	866.0
44	0.0	20.6	30.8#

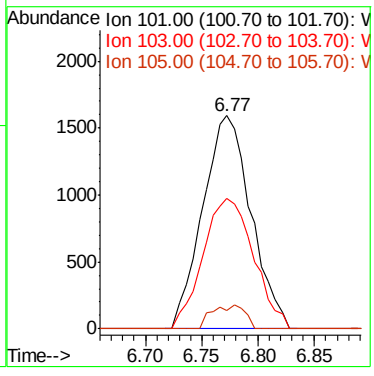


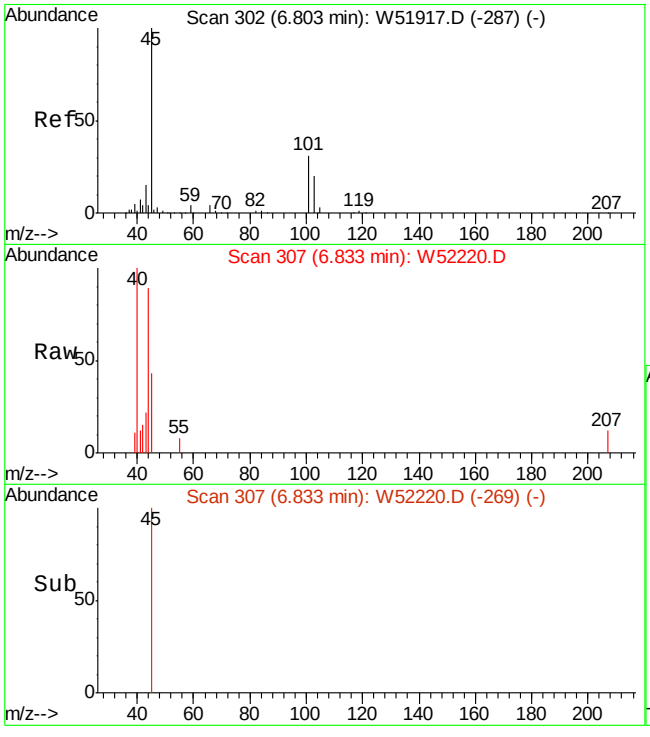


#17
TRICHLOROFLUOROMETHANE
Concen: 0.18 PPBV
RT: 6.77 min Scan# 297
Delta R.T. 0.00 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion:101 Resp: 4726

Ion	Ratio	Lower	Upper
101	100		
103	64.2	44.7	84.7
105	7.6	0.0	30.4

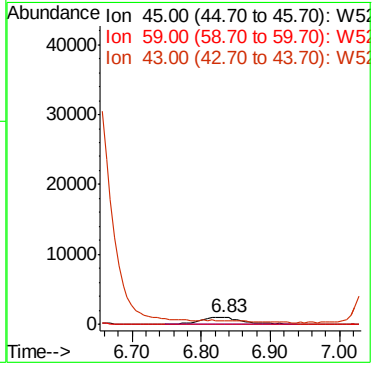


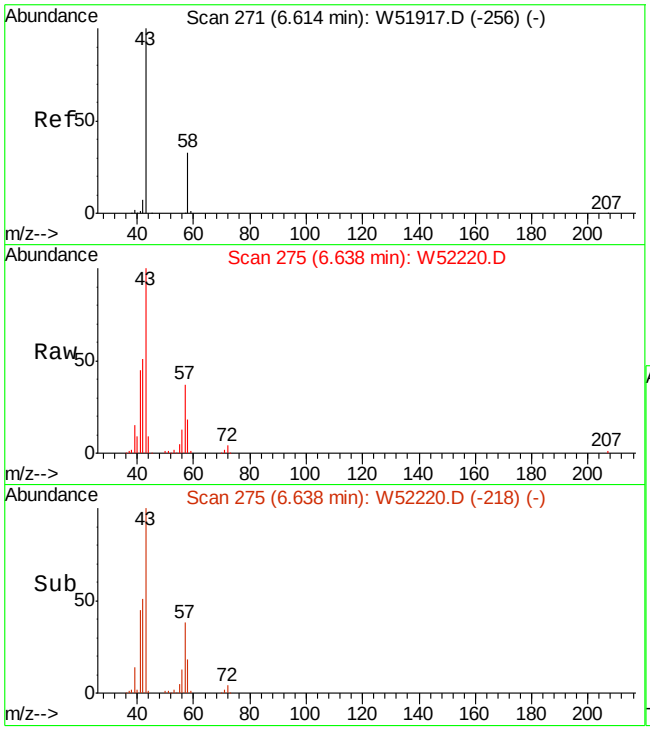


#18
ISOPROPYL ALCOHOL
Concen: 0.19 PPBV
RT: 6.83 min Scan# 307
Delta R.T. 0.03 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 45 Resp: 4659

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	24.3
43	51.8	0.0	37.4#

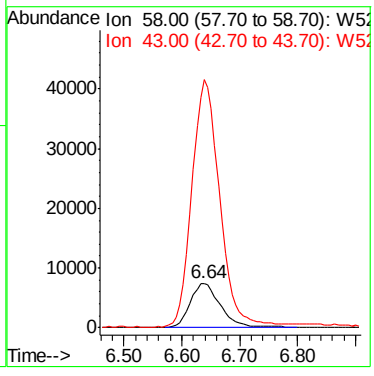


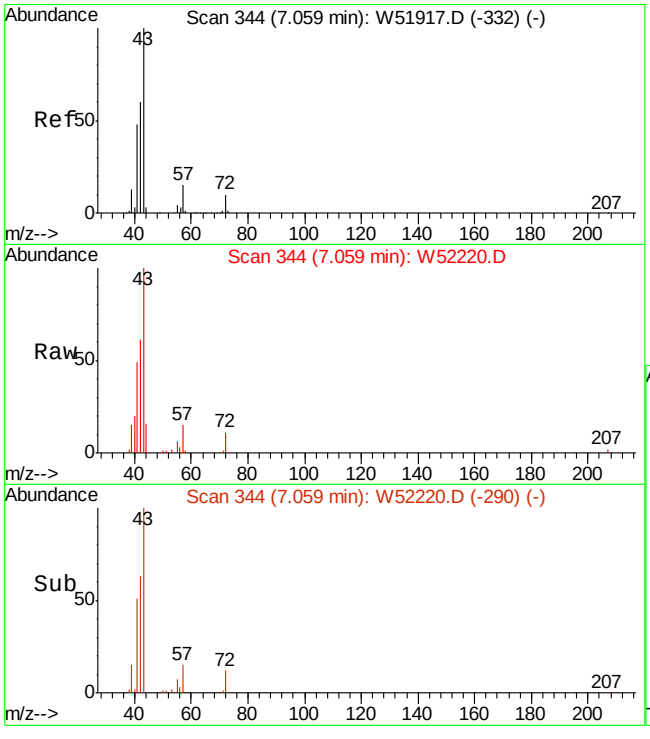


#19
ACETONE
Concen: 4.15 PPBV
RT: 6.64 min Scan# 275
Delta R.T. 0.02 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 58 Resp: 27337

Ion	Ratio	Lower	Upper
58	100		
43	514.1	254.7	294.7#

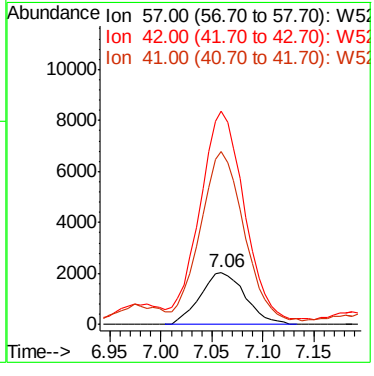




#22
PENTANE
Concen: 1.71 PPBV
RT: 7.06 min Scan# 344
Delta R.T. 0.00 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

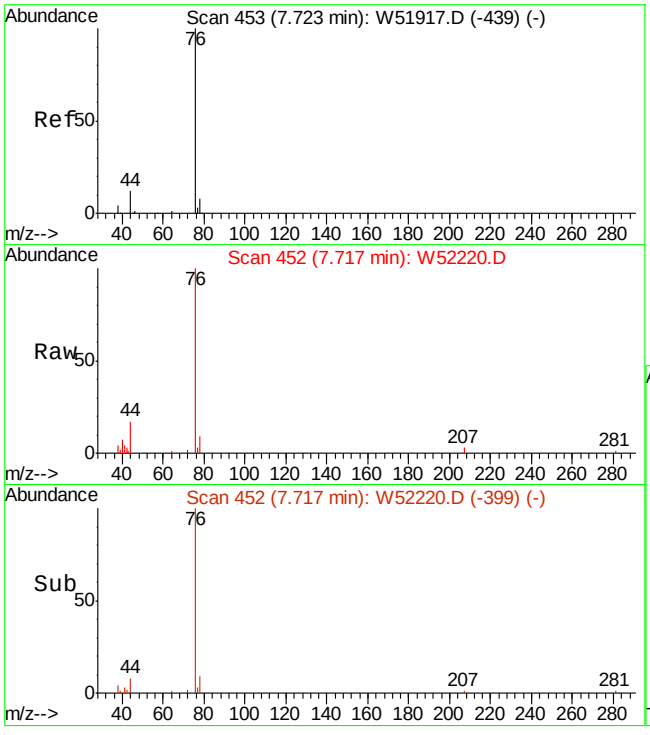
Tgt Ion: 57 Resp: 6289

Ion	Ratio	Lower	Upper
57	100		
42	405.7	366.1	406.1
41	322.9	286.4	326.4



7.4.1

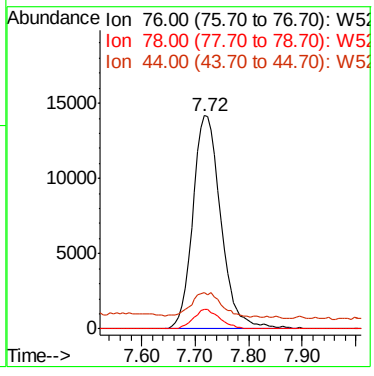
7

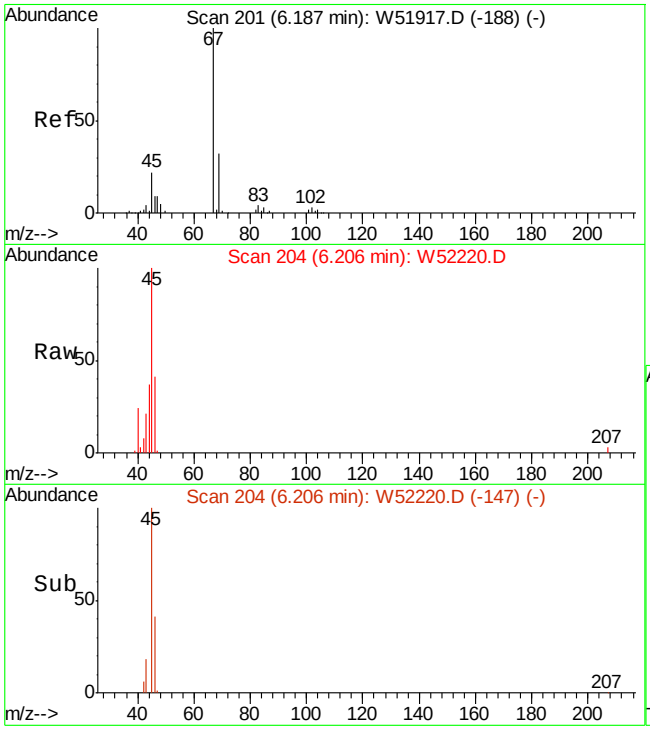


#25
CARBON DISULFIDE
Concen: 1.42 PPBV
RT: 7.72 min Scan# 452
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 76 Resp: 51376

Ion	Ratio	Lower	Upper
76	100		
78	8.5	0.0	29.1
44	14.0	0.0	31.0

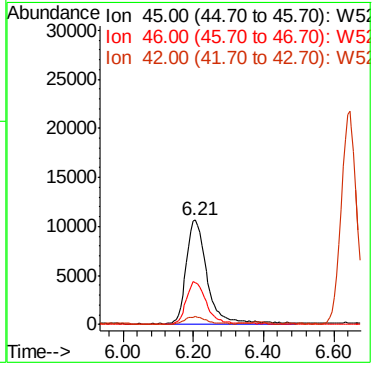




#26
ETHANOL
Concen: 7.99 PPBV
RT: 6.21 min Scan# 204
Delta R.T. 0.02 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

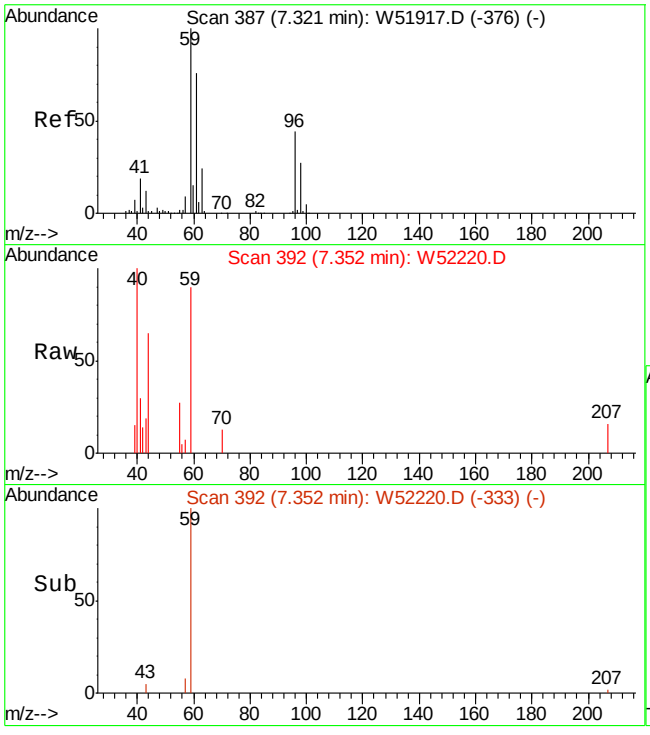
Tgt Ion: 45 Resp: 44967

Ion	Ratio	Lower	Upper
45	100		
46	39.3	19.6	59.6
42	8.2	0.0	28.5



7.4.1

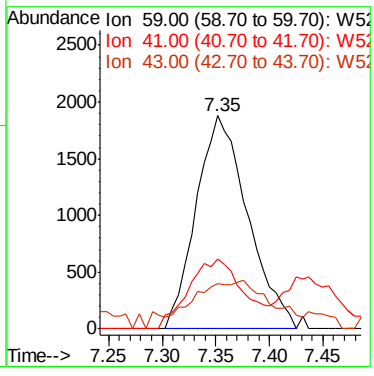
7

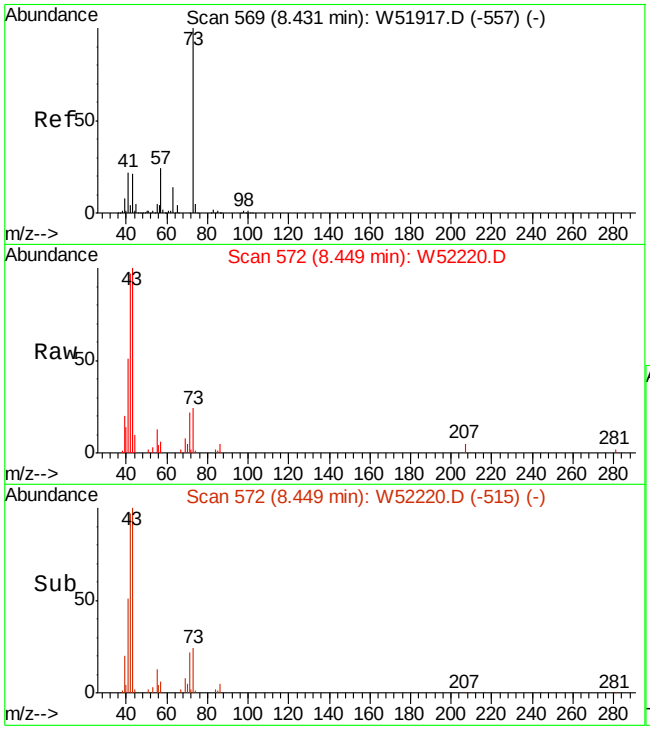


#33
TERTIARY BUTYL ALCOHOL
Concen: 0.24 PPBV
RT: 7.35 min Scan# 392
Delta R.T. 0.03 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 59 Resp: 6294

Ion	Ratio	Lower	Upper
59	100		
41	35.3	0.0	39.0
43	0.0	0.0	32.1

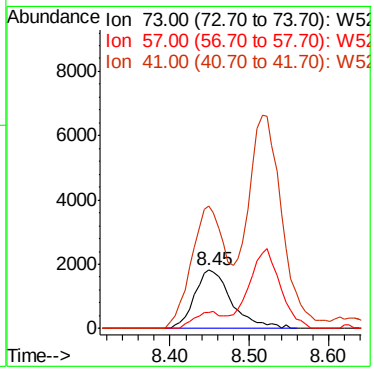




#34
METHYL TERTIARY BUTYL ETHER
Concen: 0.18 PPBV
RT: 8.45 min Scan# 572
Delta R.T. 0.02 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

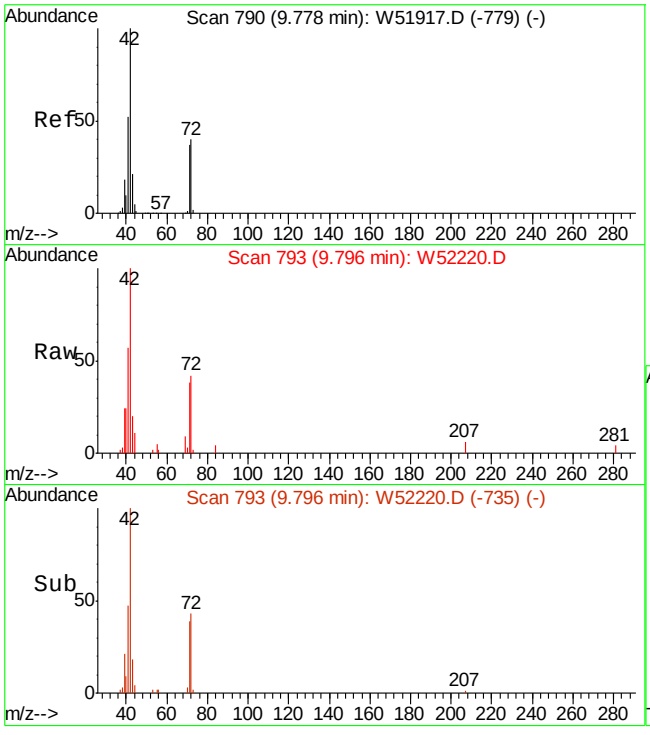
Tgt Ion: 73 Resp: 5905

Ion	Ratio	Lower	Upper
73	100		
57	22.9	3.1	43.1
41	193.0	0.8	40.8#



7.4.1

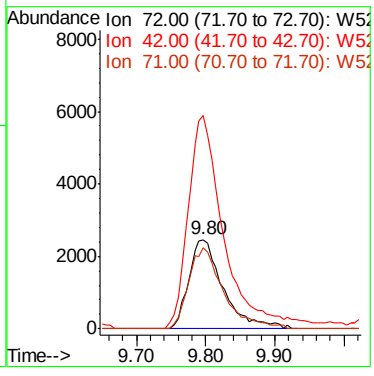
7

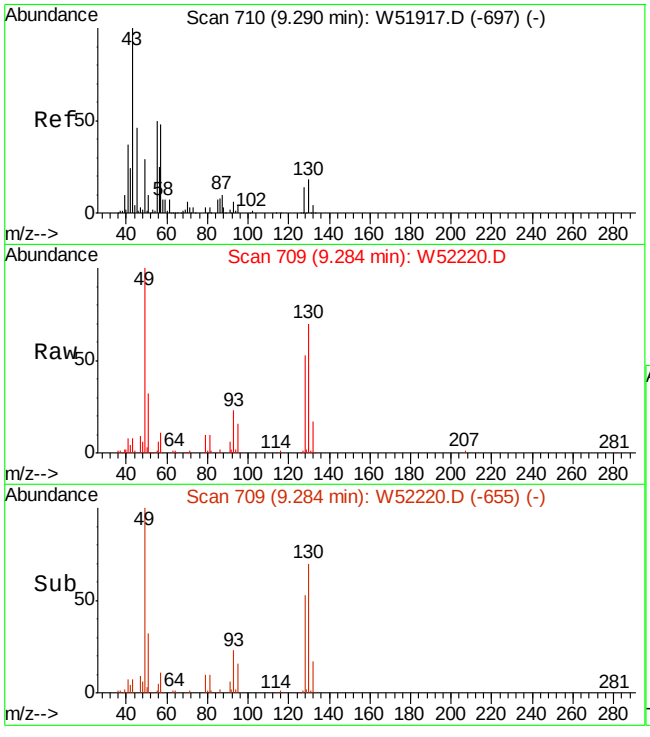


#35
TETRAHYDROFURAN
Concen: 1.49 PPBV
RT: 9.80 min Scan# 793
Delta R.T. 0.02 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 72 Resp: 8529

Ion	Ratio	Lower	Upper
72	100		
42	254.2	209.8	249.8#
71	91.7	73.2	113.2

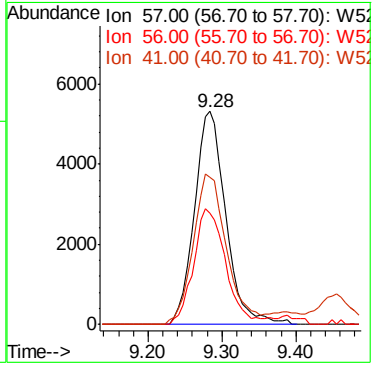




#36
HEXANE
Concen: 0.72 PPBV
RT: 9.28 min Scan# 709
Delta R.T. 0.00 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

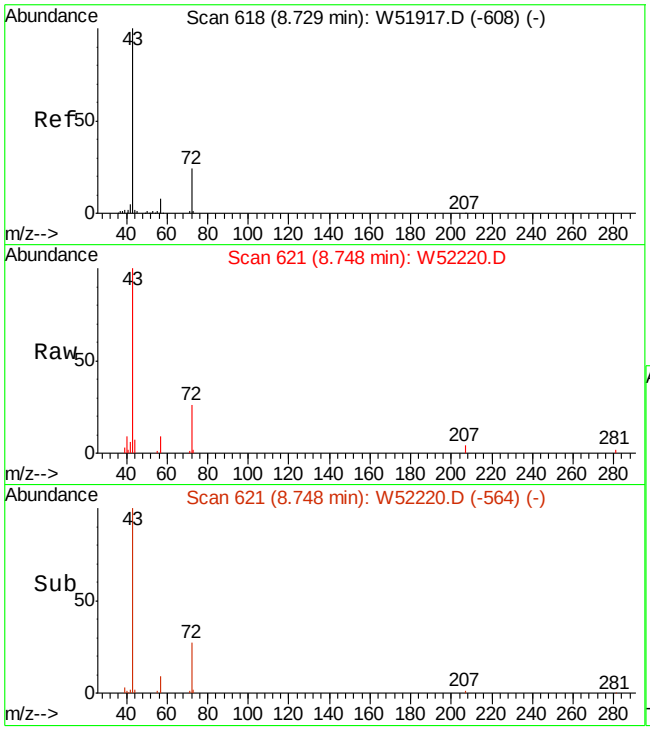
Tgt Ion: 57 Resp: 15400

Ion	Ratio	Lower	Upper
57	100		
56	56.4	31.5	71.5
41	81.7	73.1	113.1



7.4.1

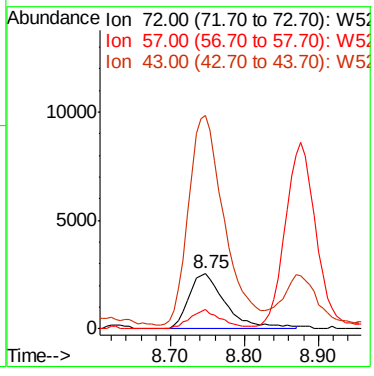
7

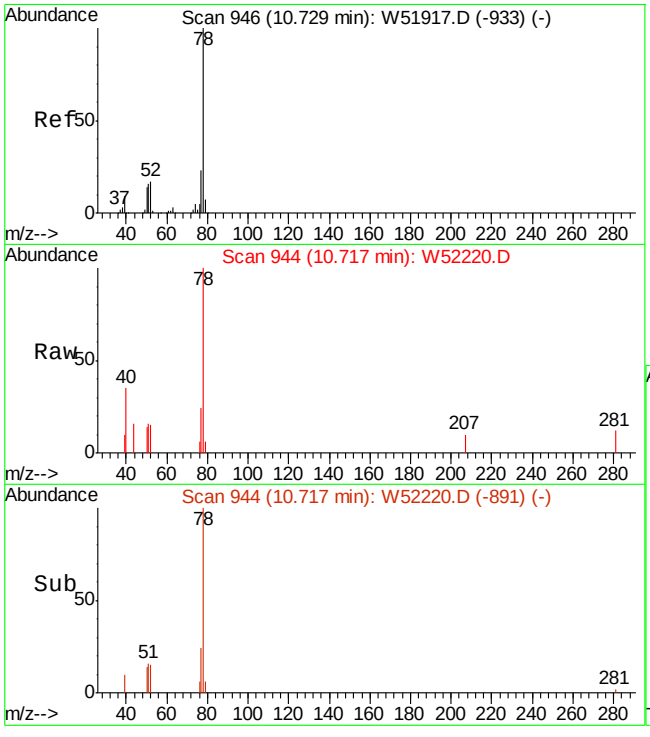


#39
METHYL ETHYL KETONE
Concen: 1.50 PPBV
RT: 8.75 min Scan# 621
Delta R.T. 0.02 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 72 Resp: 8771

Ion	Ratio	Lower	Upper
72	100		
57	34.0	10.6	50.6
43	383.3	362.9	402.9

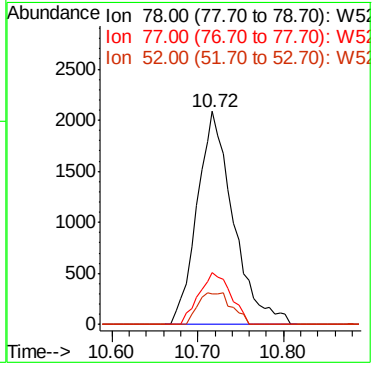


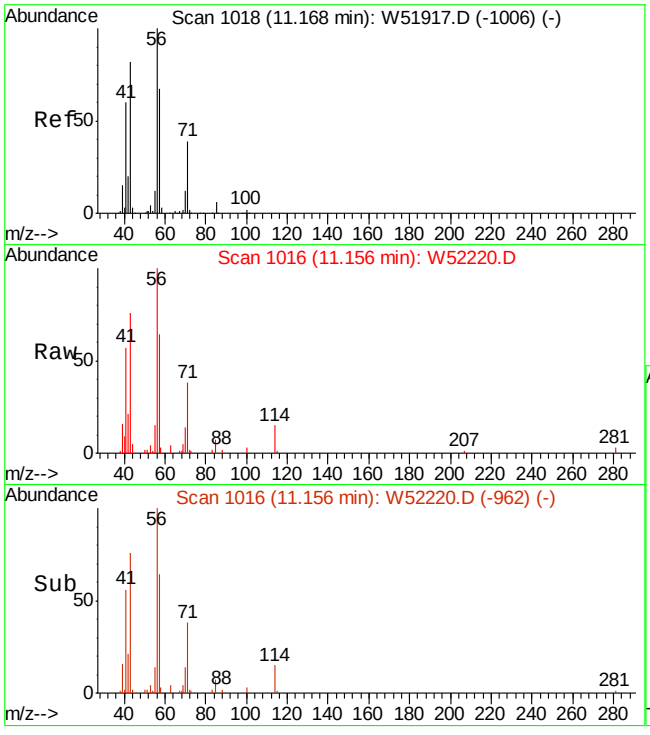


#50
BENZENE
Concen: 0.16 PPBV
RT: 10.72 min Scan# 944
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 78 Resp: 6143

Ion	Ratio	Lower	Upper
78	100		
77	21.4	3.1	43.1
52	13.9	0.0	35.4

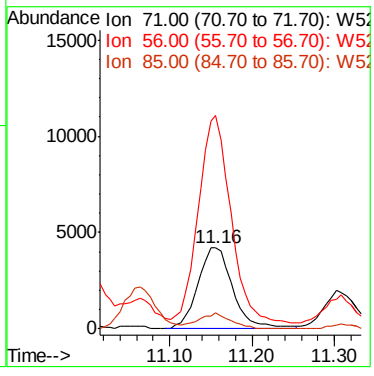


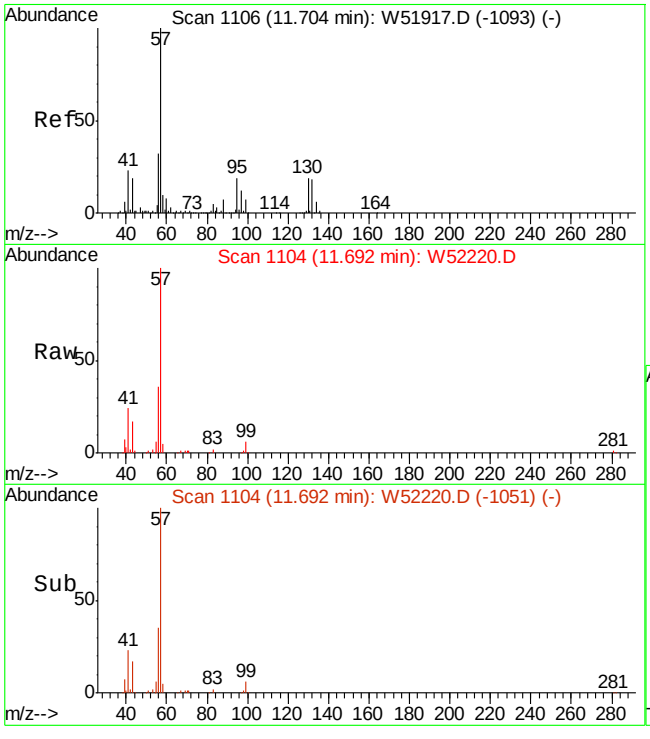


#52
2,3-DIMETHYLPENTANE
Concen: 1.44 PPBV
RT: 11.16 min Scan# 1016
Delta R.T. 0.00 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 71 Resp: 12408

Ion	Ratio	Lower	Upper
71	100		
56	259.4	194.0	291.0
85	17.7	13.6	20.4

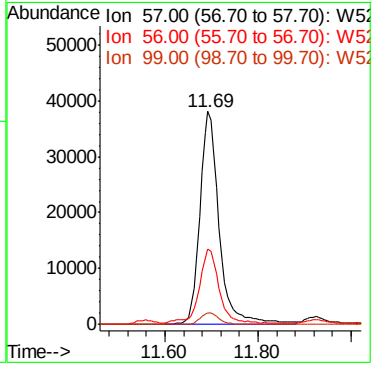


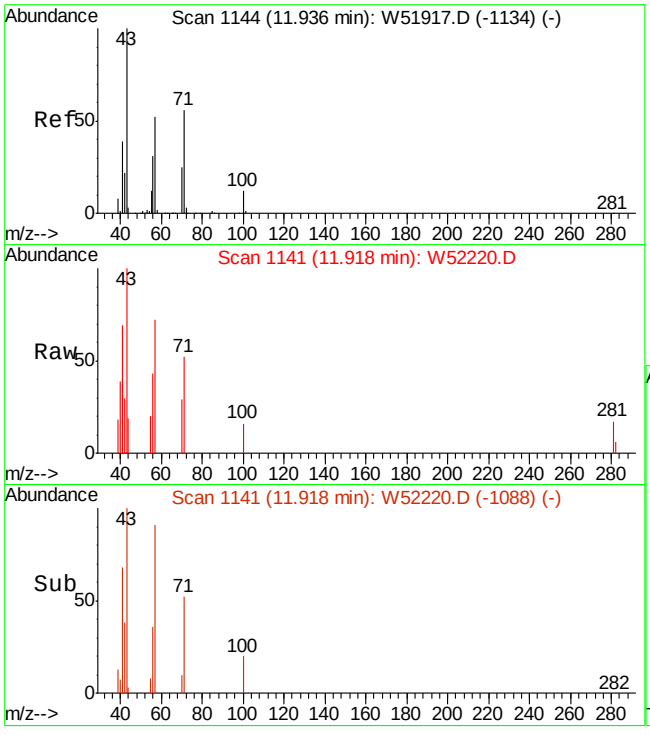


#58
2,2,4-TRIMETHYLPENTANE
Concen: 1.73 PPBV
RT: 11.69 min Scan# 1104
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 57 Resp: 110938

Ion	Ratio	Lower	Upper
57	100		
56	36.8	11.1	51.1
99	5.2	0.0	27.5

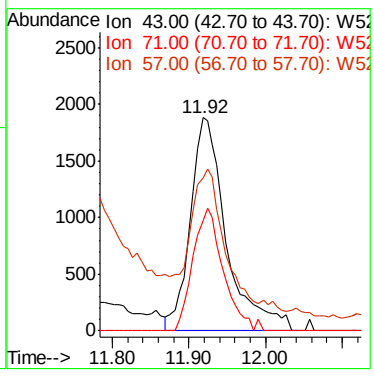


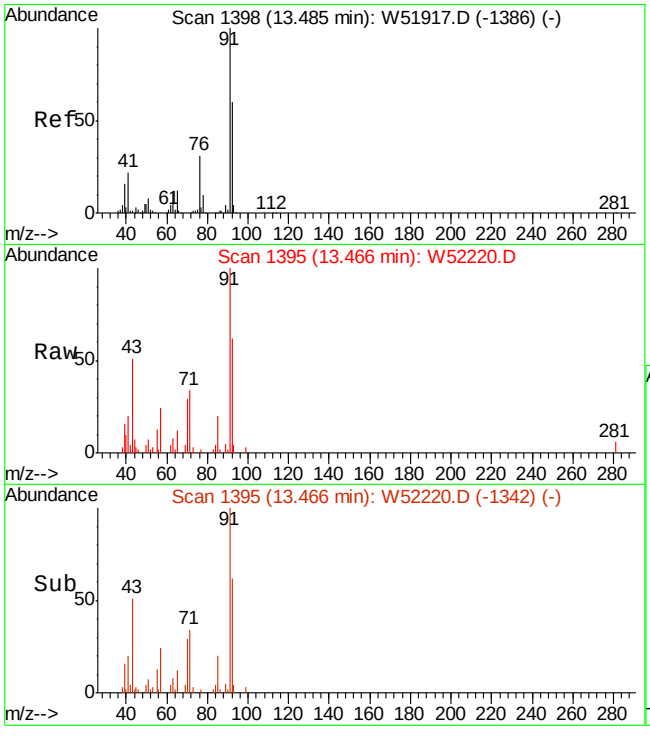


#61
HEPTANE
Concen: 0.27 PPBV
RT: 11.92 min Scan# 1141
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 43 Resp: 6152

Ion	Ratio	Lower	Upper
43	100		
71	48.5	41.8	81.8
57	105.5	39.5	79.5#

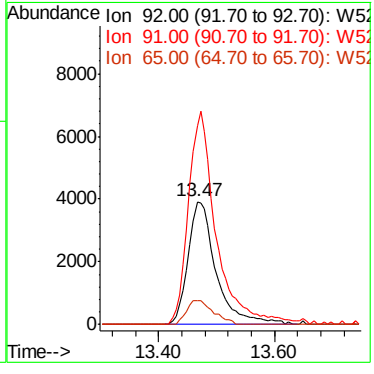


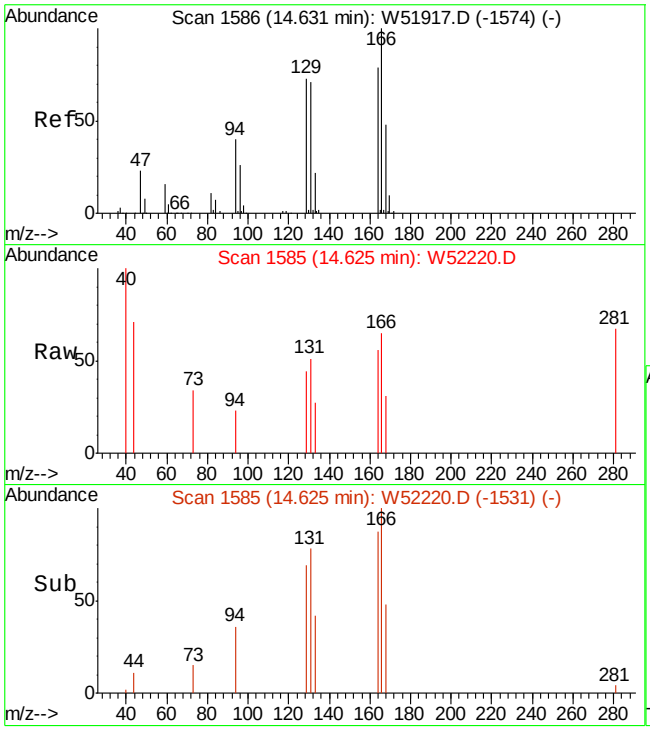


#64
TOLUENE
Concen: 0.51 PPBV
RT: 13.47 min Scan# 1395
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 92 Resp: 13165

Ion	Ratio	Lower	Upper
92	100		
91	173.1	148.1	188.1
65	18.6	0.3	40.3

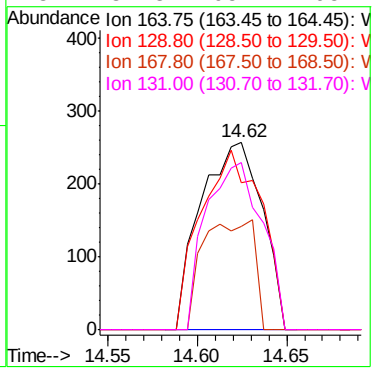


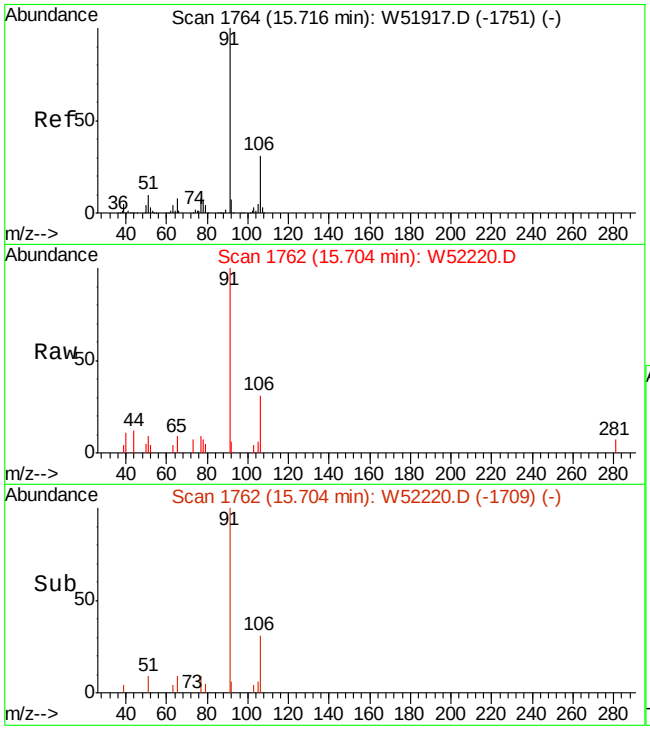


#70
TETRACHLOROETHYLENE
Concen: 0.04 PPBV
RT: 14.62 min Scan# 1585
Delta R.T. 0.00 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion:164 Resp: 616

Ion	Ratio	Lower	Upper
164	100		
129	94.0	69.3	109.3
168	48.2	41.4	81.4
131	81.8	65.4	105.4

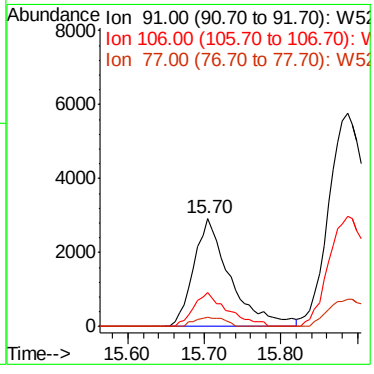


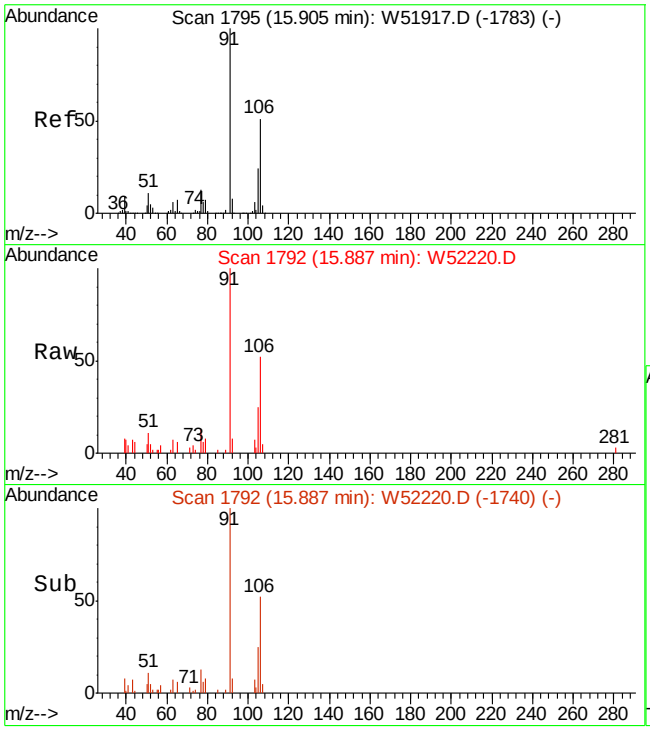


#76
ETHYLBENZENE
Concen: 0.20 PPBV
RT: 15.70 min Scan# 1762
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion: 91 Resp: 9728

Ion	Ratio	Lower	Upper
91	100		
106	29.0	11.2	51.2
77	7.0	0.0	28.1

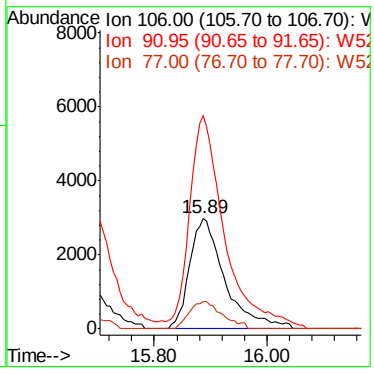


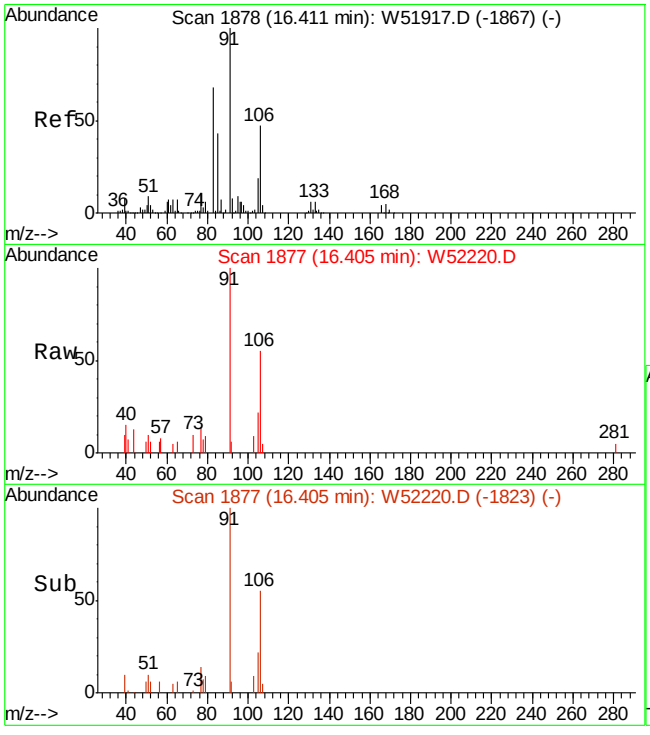


#77
m,p-XYLENE
Concen: 0.66 PPBV
RT: 15.89 min Scan# 1792
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion:106 Resp: 13058

Ion	Ratio	Lower	Upper
106	100		
91	193.2	155.4	233.2
77	25.1	19.8	29.6

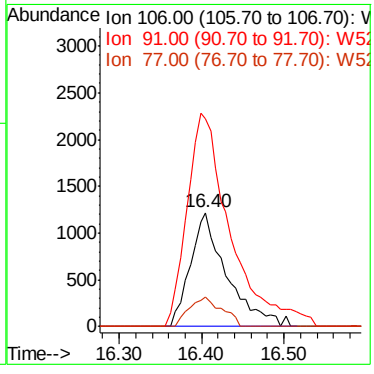


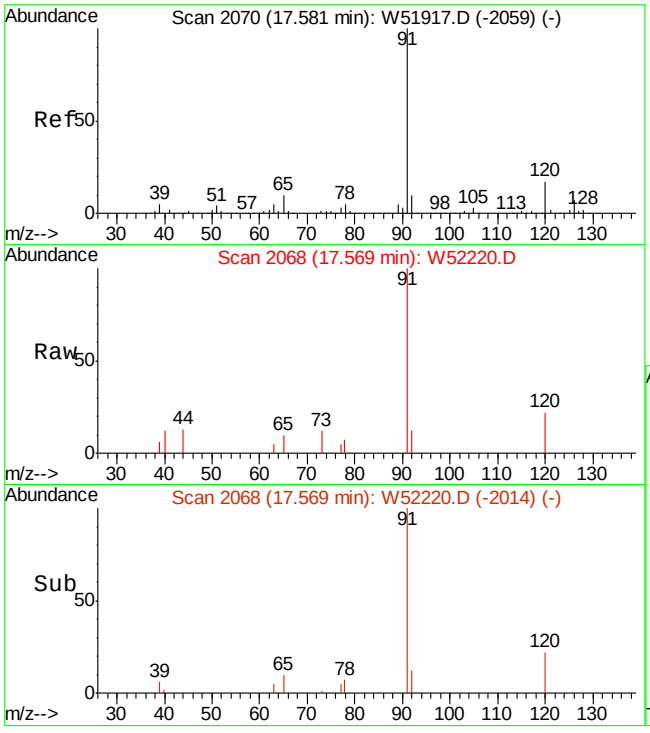


#78
o-XYLENE
Concen: 0.21 PPBV
RT: 16.40 min Scan# 1877
Delta R.T. 0.00 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion:106 Resp: 3749

Ion	Ratio	Lower	Upper
106	100		
91	220.8	187.6	227.6
77	23.5	6.2	46.2

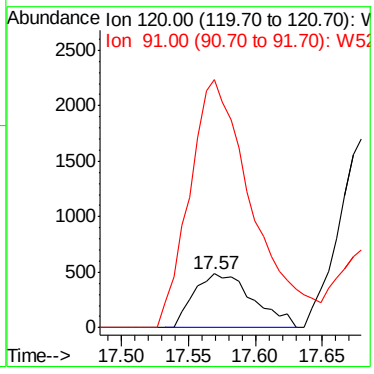


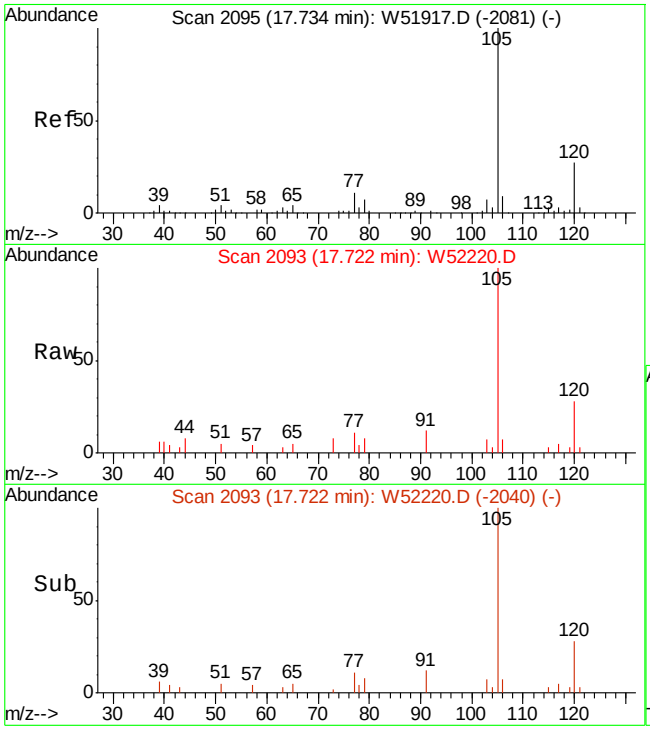


#88
n-PROPYLBENZENE
Concen: 0.11 PPBV
RT: 17.57 min Scan# 2068
Delta R.T. 0.00 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion:120 Resp: 1498

Ion	Ratio	Lower	Upper
120	100		
91	491.3	544.0	816.0#

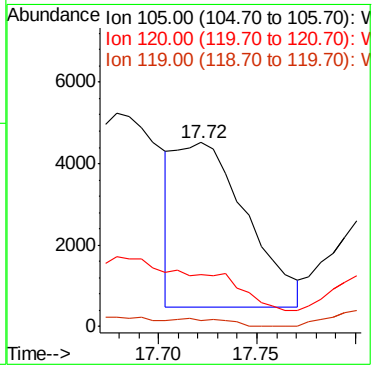


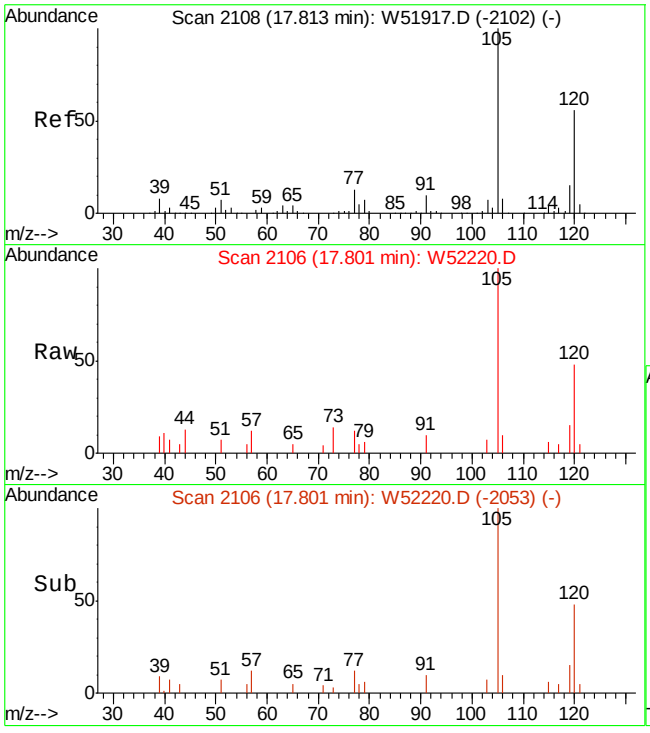


#89
4-ETHYLTOLUENE
Concen: 0.23 PPBV m
RT: 17.72 min Scan# 2093
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion:105 Resp: 10188

Ion	Ratio	Lower	Upper
105	100		
120	80.9	8.6	48.6#
119	5.4	0.0	22.3

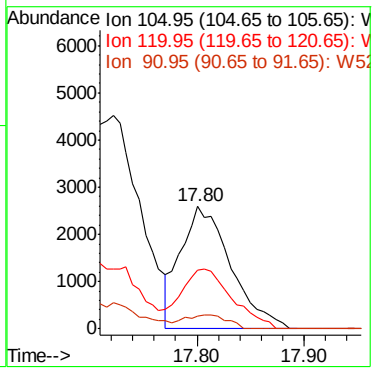


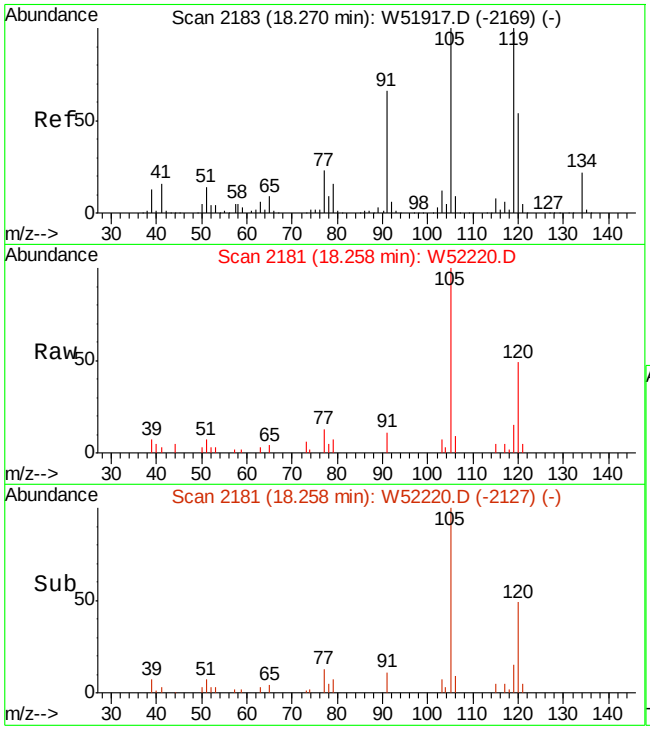


#90
1,3,5-TRIMETHYLBENZENE
Concen: 0.19 PPBV
RT: 17.80 min Scan# 2106
Delta R.T. -0.01 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion:105 Resp: 8444

Ion	Ratio	Lower	Upper
105	100		
120	49.1	31.3	71.3
91	9.7	0.0	29.3

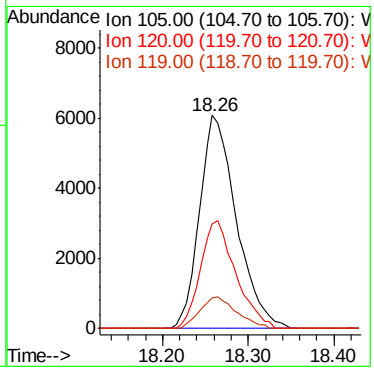




#93
1,2,4-TRIMETHYLBENZENE
Concen: 0.46 PPBV
RT: 18.26 min Scan# 2181
Delta R.T. 0.00 min
Lab File: W52220.D
Acq: 29 Oct 2015 7:37 pm

Tgt Ion:105 Resp: 18163

Ion	Ratio	Lower	Upper
105	100		
120	48.2	37.3	77.3
119	14.8	93.0	133.0#



Manual Integration Approval Summary

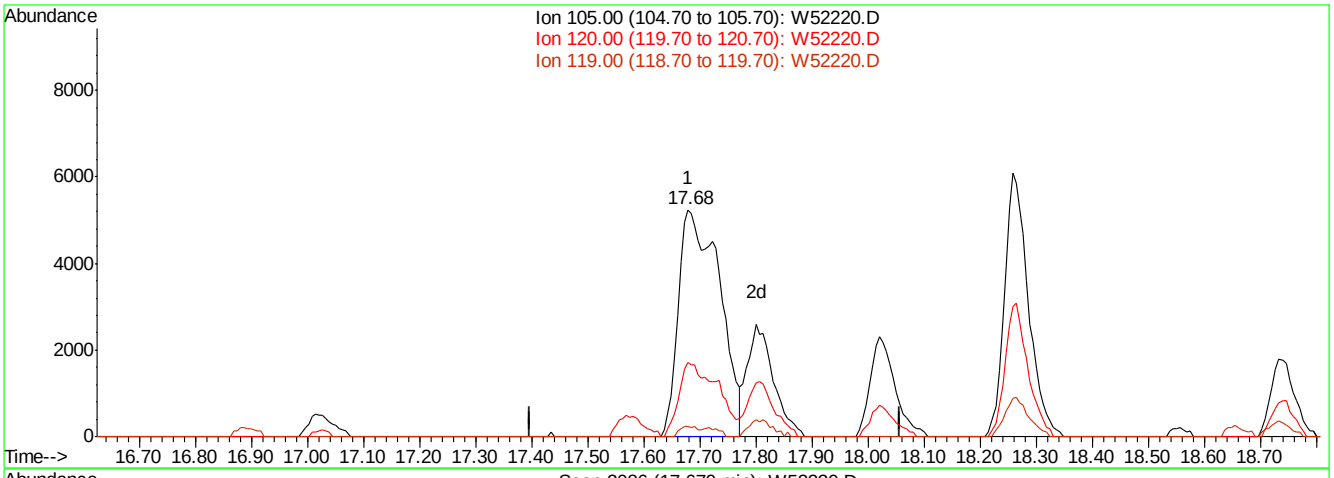
Sample Number:	JC7140-1DUP	**Method:**	TO-15
Lab FileID:	W52220.D	**Analyst approved:**	10/30/15 14:24 Youmin Hu
Injection Time:	10/29/15 19:37	**Supervisor approved:**	11/03/15 17:10 Dana Tryon

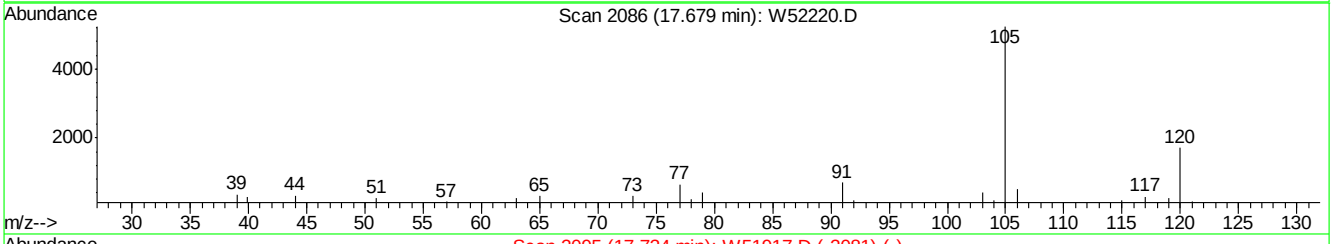
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Ethyltoluene	622-96-8		17.72	Overlapping peak

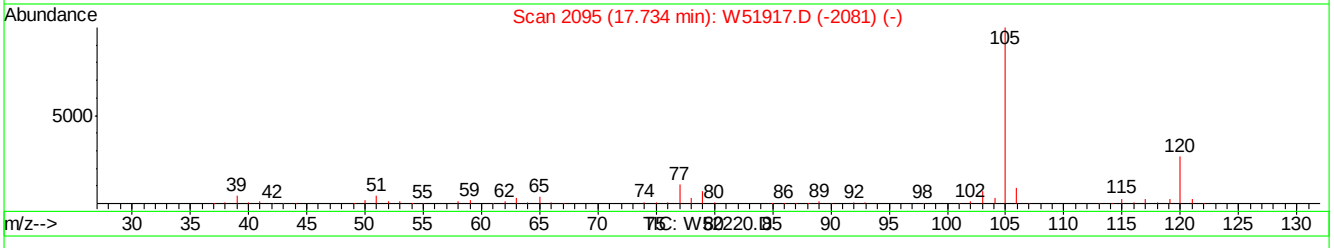
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52220.D Vial: 11
Acq On : 29 Oct 2015 7:37 pm Operator: youminh
Sample : JC7140-1DUP Inst : MSW
Misc : MS93657,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:24 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration







(89) 4-ETHYLTOLUENE

17.68min 0.59PPBV

response 26530

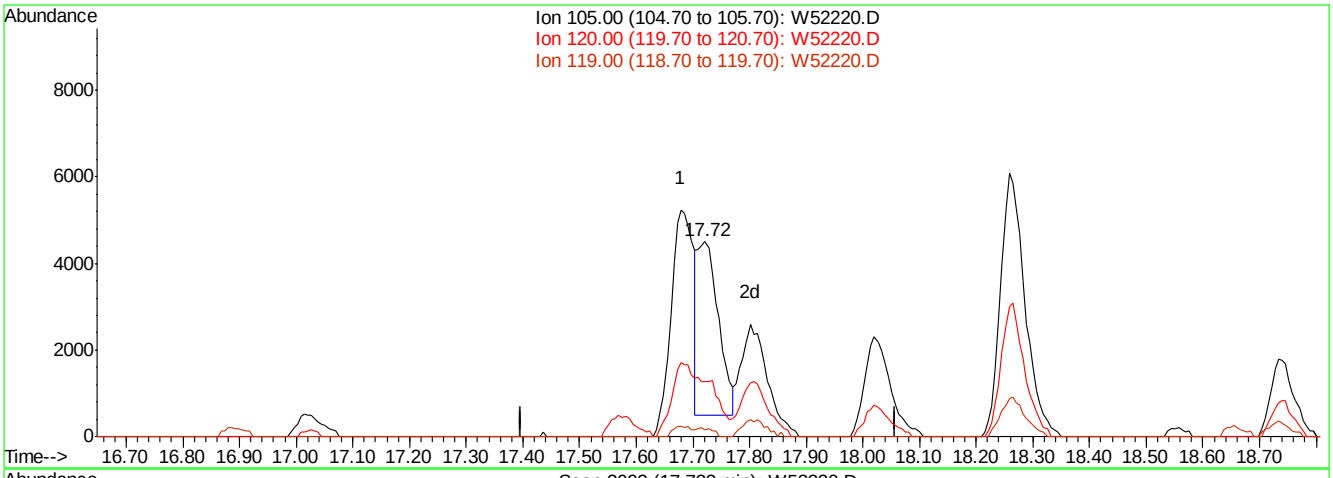
Ion	Exp%	Act%
105.00	100	100
120.00	28.60	31.05
119.00	2.30	2.08
0.00	0.00	0.00

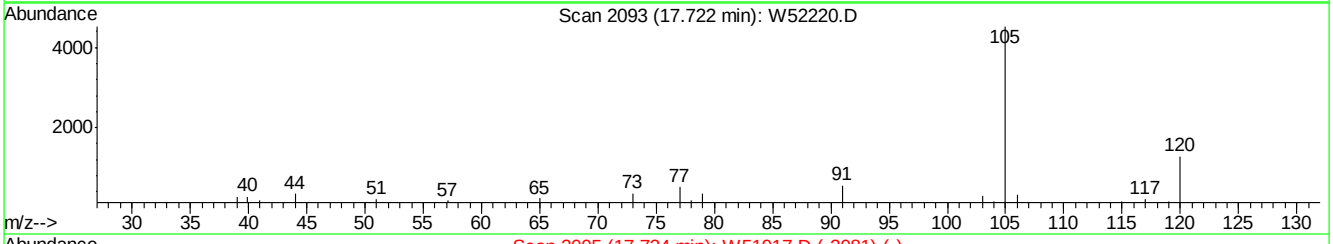
W52220.D MW2080.M Fri Oct 30 11:24:28 2015 MSW

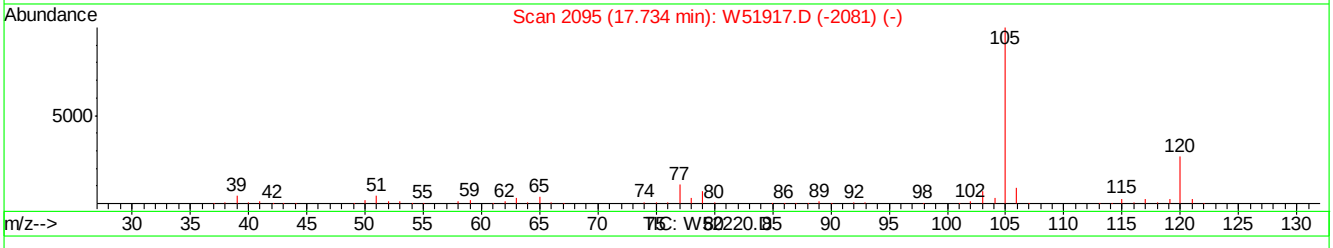
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52220.D Vial: 11
Acq On : 29 Oct 2015 7:37 pm Operator: youminh
Sample : JC7140-1DUP Inst : MSW
Misc : MS93657,VW2086,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:24 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration







(89) 4-ETHYLTOLUENE

17.72min 0.23PPBV m

response 10188

Ion	Exp%	Act%
105.00	100	100
120.00	28.60	80.86#
119.00	2.30	5.41
0.00	0.00	0.00

W52220.D MW2080.M Fri Oct 30 11:26:21 2015 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52245.D Vial: 7
Acq On : 30 Oct 2015 4:27 pm Operator: youminh
Sample : JC7121-1DUP Inst : MSW
Misc : MS93657,VW2087,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:26:11 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

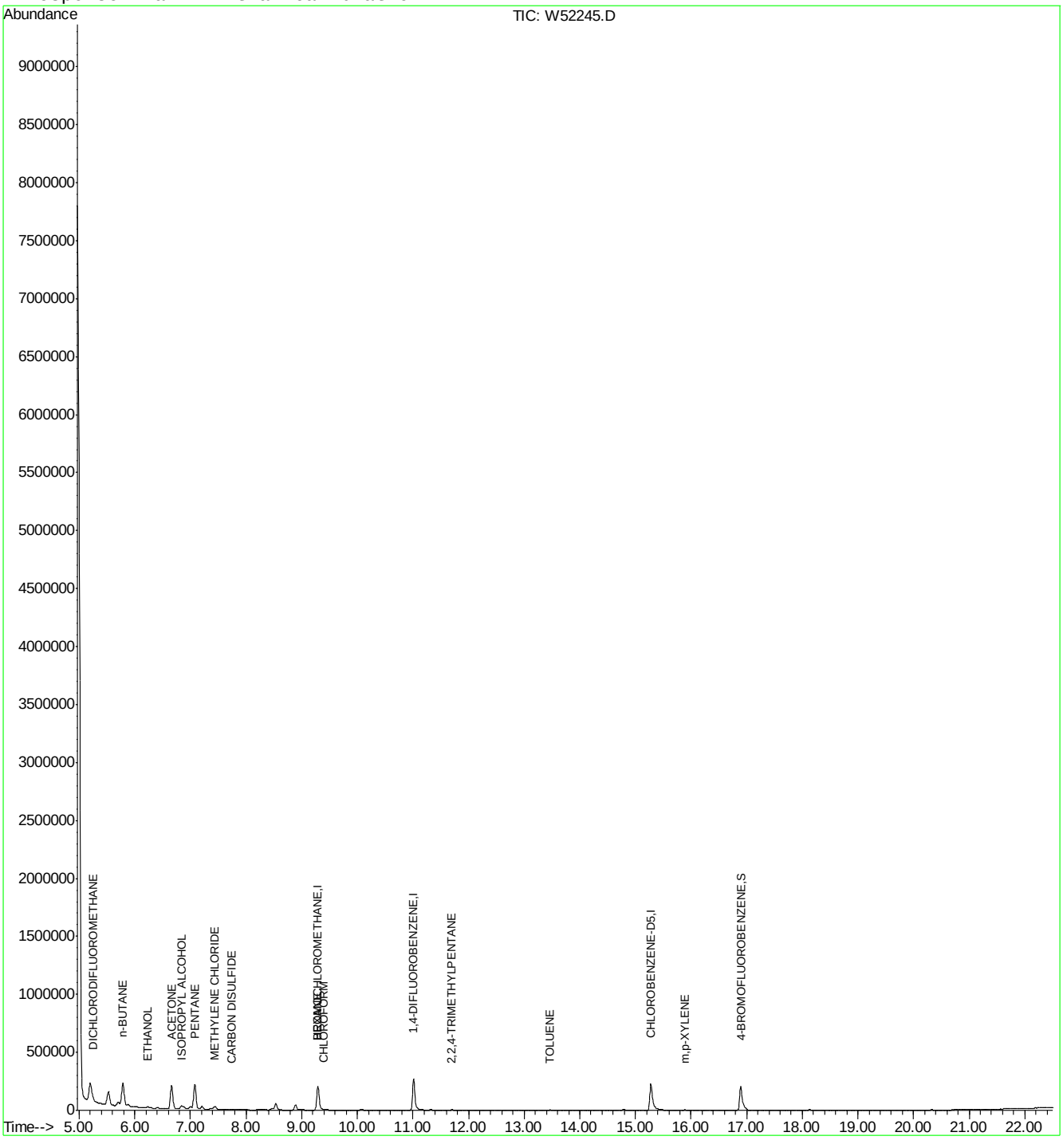
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	82890	10.00	PPBV	0.01
49) 1,4-DIFLUOROBENZENE	11.02	114	386910	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	164070	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	161194	8.99	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 89.90%			
Target Compounds						Qvalue
5) DICHLORODIFLUOROMETHANE	5.25	85	51461	1.88	PPBV	100
12) n-BUTANE	5.78	58	49767	18.41	PPBV #	92
18) ISOPROPYL ALCOHOL	6.84	45	68022	3.00	PPBV	94
19) ACETONE	6.66	58	38002	6.22	PPBV #	1
22) PENTANE	7.08	57	37676	11.03	PPBV #	92
25) CARBON DISULFIDE	7.74	76	10809	0.32	PPBV #	83
26) ETHANOL	6.22	45	20642	3.95	PPBV	91
29) METHYLENE CHLORIDE	7.42	84	17852	1.73	PPBV	99
36) HEXANE	9.29	57	29916	1.51	PPBV #	83
44) CHLOROFORM	9.39	83	2294	0.11	PPBV #	88
58) 2,2,4-TRIMETHYLPENTANE	11.70	57	5227	0.09	PPBV	81
64) TOLUENE	13.47	92	2128	0.10	PPBV	95
77) m,p-XYLENE	15.89	106	2424	0.15	PPBV	94

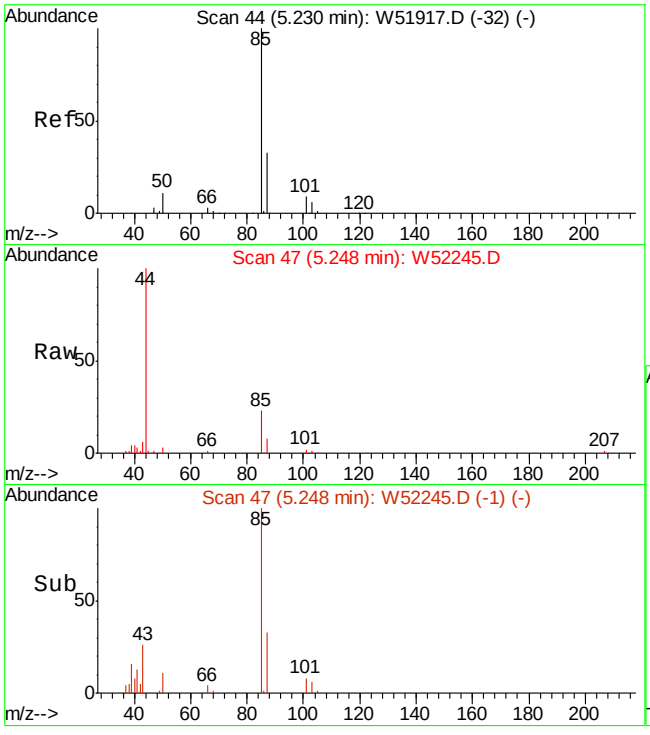
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52245.D Vial: 7
Acq On : 30 Oct 2015 4:27 pm Operator: youminh
Sample : JC7121-1DUP Inst : MSW
Misc : MS93657,VW2087,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 2 10:32 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

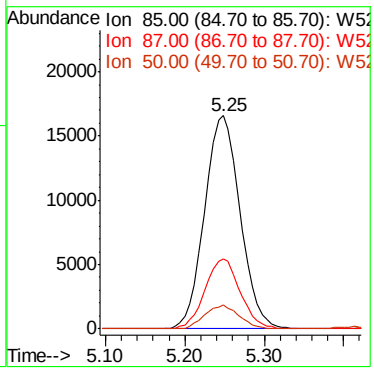


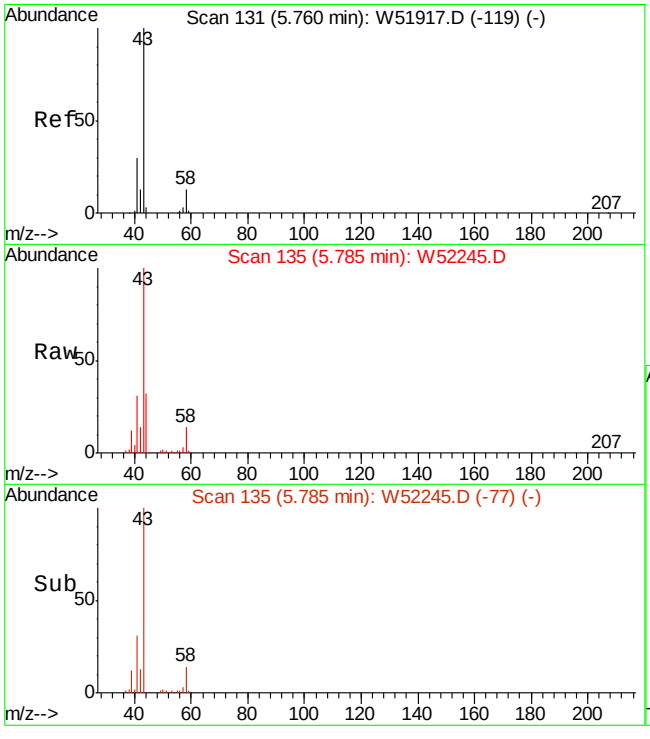


#5
DICHLORODIFLUOROMETHANE
Concen: 1.88 PPBV
RT: 5.25 min Scan# 47
Delta R.T. 0.01 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 85 Resp: 51461

Ion	Ratio	Lower	Upper
85	100		
87	32.3	12.4	52.4
50	10.6	0.0	30.9

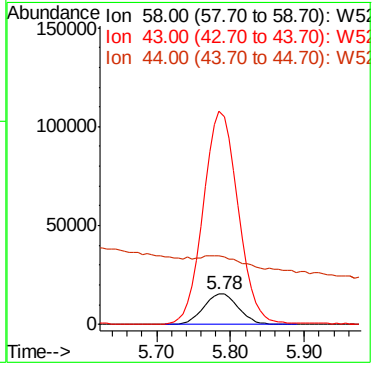


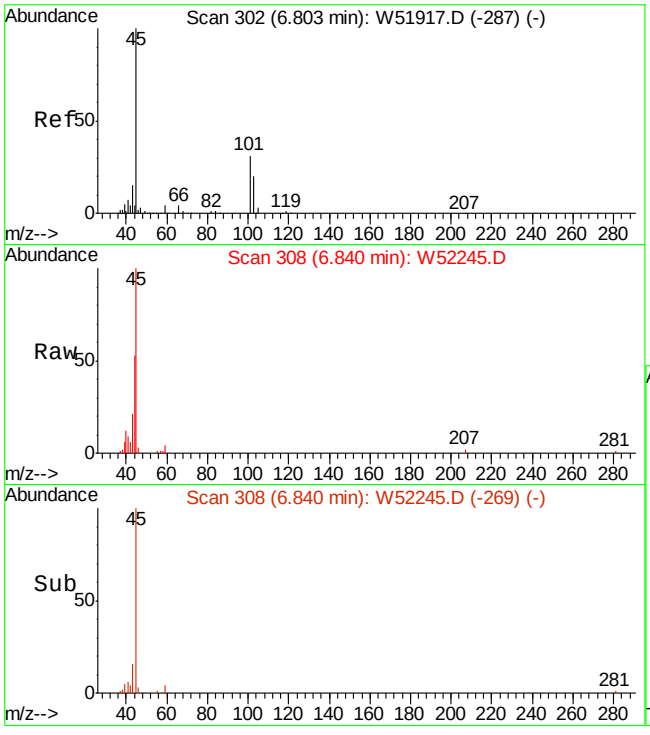


#12
n-BUTANE
Concen: 18.41 PPBV
RT: 5.78 min Scan# 135
Delta R.T. 0.02 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 58 Resp: 49767

Ion	Ratio	Lower	Upper
58	100		
43	697.1	577.4	866.0
44	0.0	20.6	30.8#

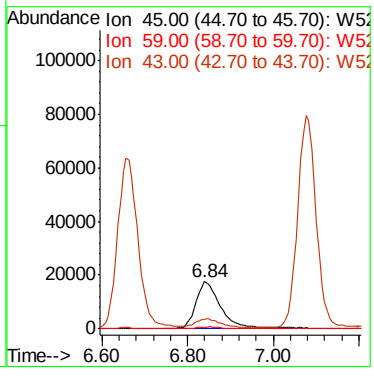


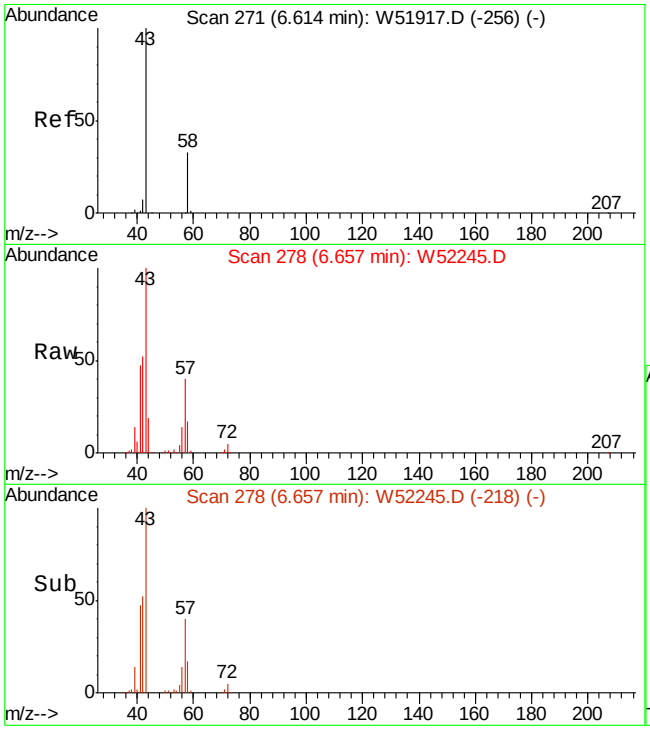


#18
ISOPROPYL ALCOHOL
Concen: 3.00 PPBV
RT: 6.84 min Scan# 308
Delta R.T. 0.04 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 45 Resp: 68022

Ion	Ratio	Lower	Upper
45	100		
59	4.1	0.0	24.3
43	20.6	0.0	37.4

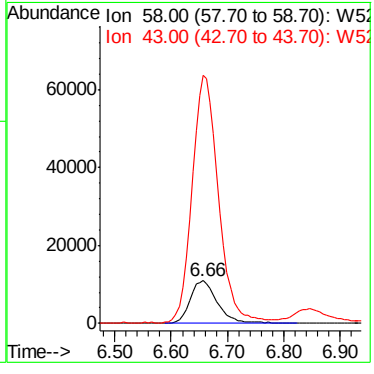




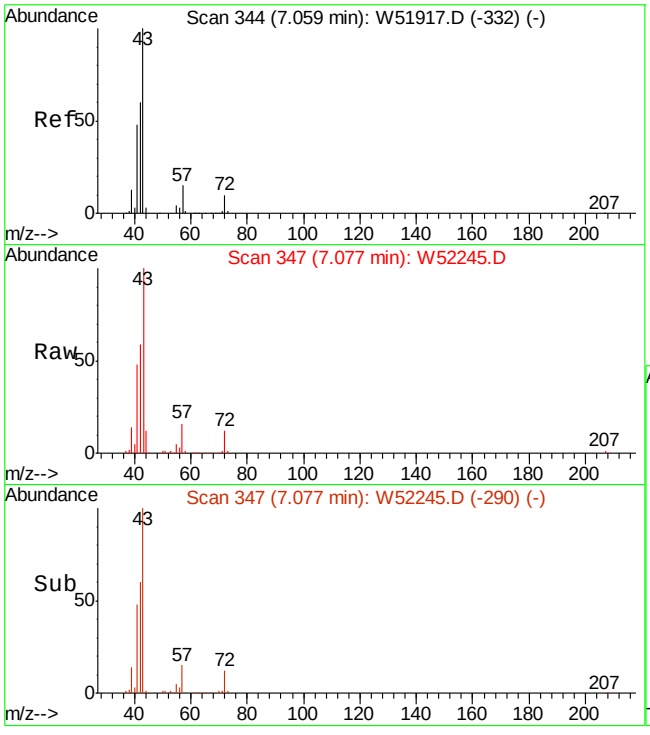
#19
ACETONE
Concen: 6.22 PPBV
RT: 6.66 min Scan# 278
Delta R.T. 0.04 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 58 Resp: 38002

Ion	Ratio	Lower	Upper
58	100		
43	546.1	254.7	294.7#



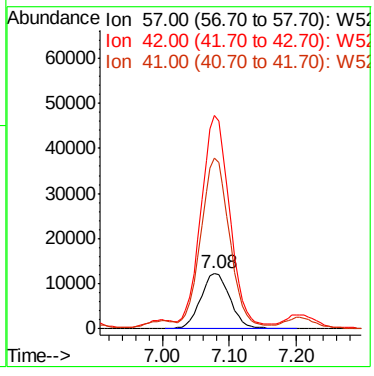
ACCUTEST LABORATORIES JC7272

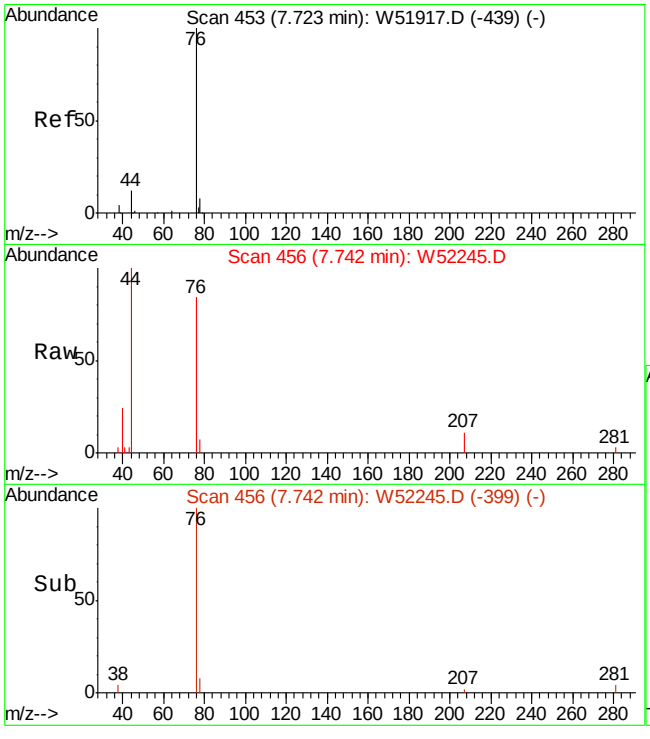


#22
PENTANE
Concen: 11.03 PPBV
RT: 7.08 min Scan# 347
Delta R.T. 0.02 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 57 Resp: 37676

Ion	Ratio	Lower	Upper
57	100		
42	365.2	366.1	406.1#
41	292.0	286.4	326.4

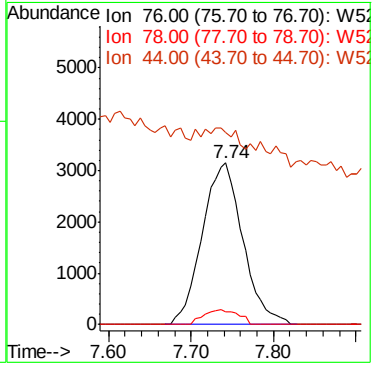




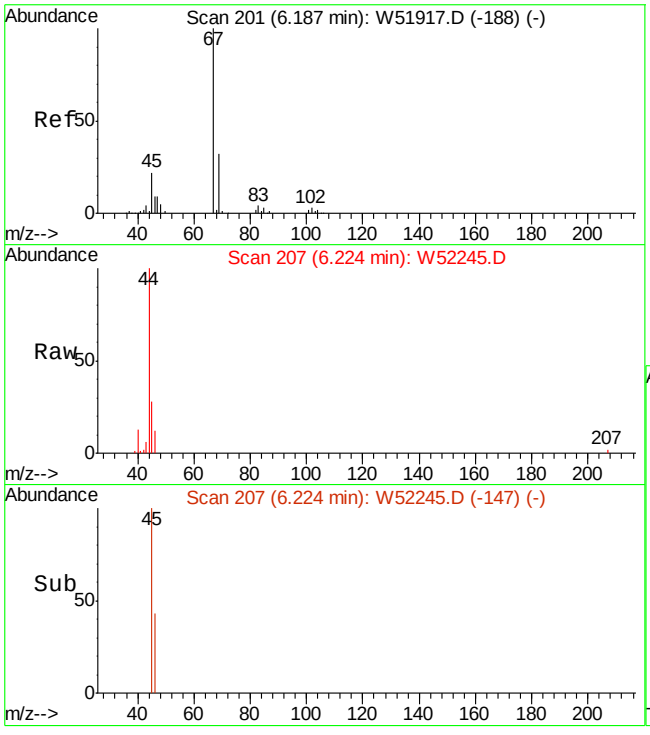
#25
CARBON DISULFIDE
Concen: 0.32 PPBV
RT: 7.74 min Scan# 456
Delta R.T. 0.02 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 76 Resp: 10809

Ion	Ratio	Lower	Upper
76	100		
78	7.8	0.0	29.1
44	0.0	0.0	31.0



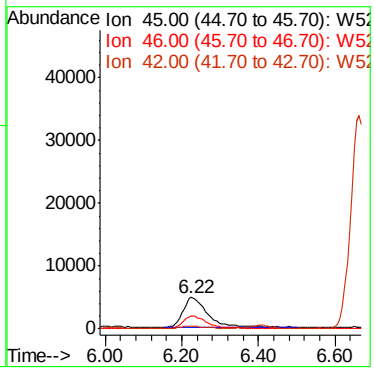
JC7272 ACCUTEST LABORATORIES

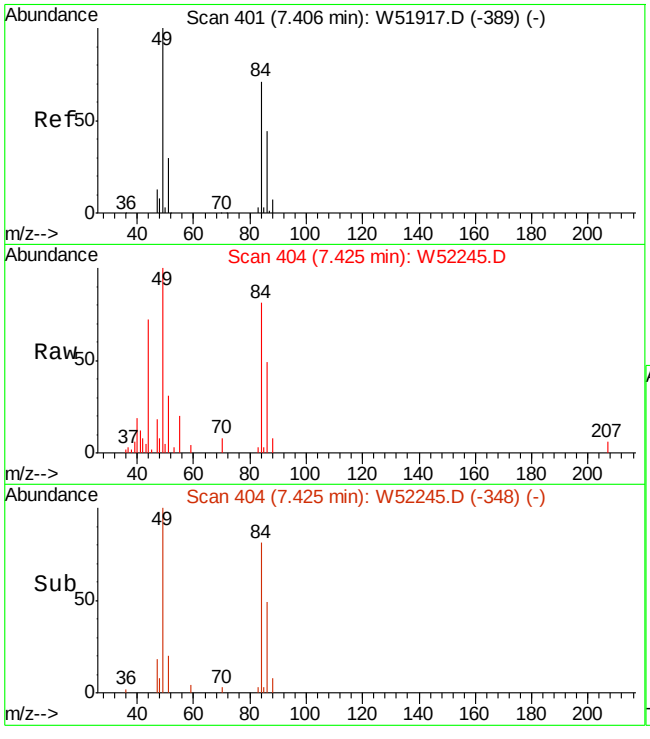


#26
ETHANOL
Concen: 3.95 PPBV
RT: 6.22 min Scan# 207
Delta R.T. 0.04 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 45 Resp: 20642

Ion	Ratio	Lower	Upper
45	100		
46	45.4	19.6	59.6
42	10.5	0.0	28.5

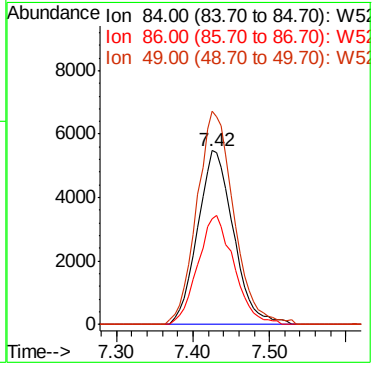


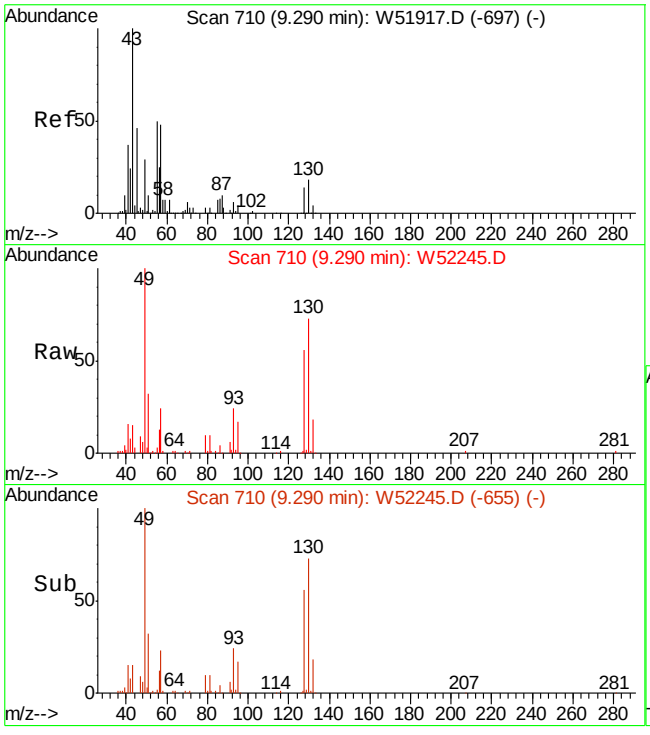


#29
METHYLENE CHLORIDE
Concen: 1.73 PPBV
RT: 7.42 min Scan# 404
Delta R.T. 0.01 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 84 Resp: 17852

Ion	Ratio	Lower	Upper
84	100		
86	63.0	43.4	83.4
49	126.4	0.0	325.0

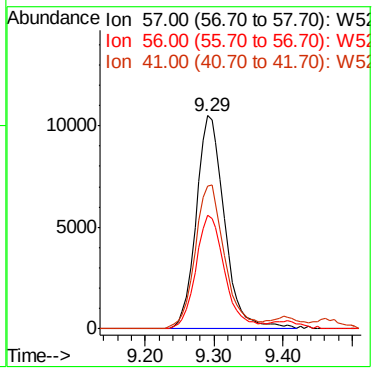


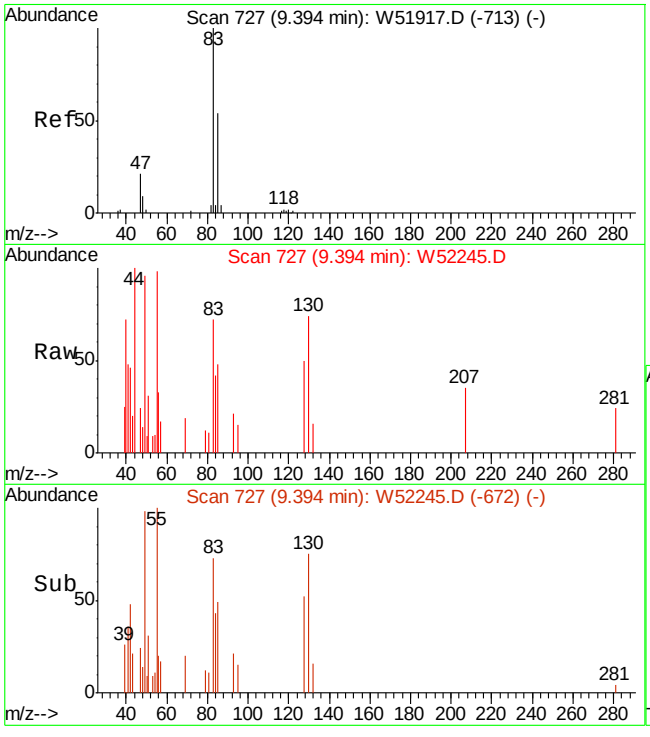


#36
HEXANE
Concen: 1.51 PPBV
RT: 9.29 min Scan# 710
Delta R.T. 0.01 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 57 Resp: 29916

Ion	Ratio	Lower	Upper
57	100		
56	54.6	31.5	71.5
41	70.8	73.1	113.1#

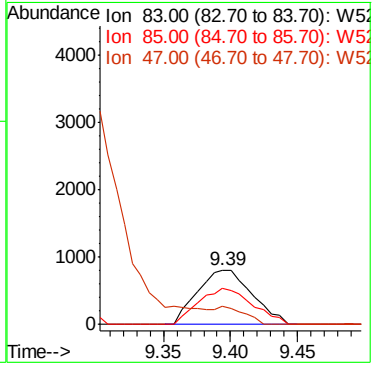


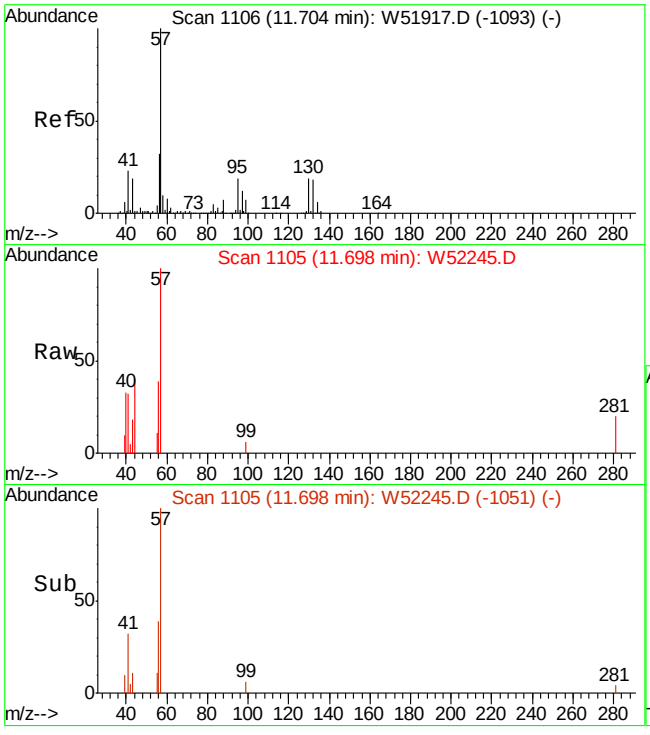


#44
CHLOROFORM
Concen: 0.11 PPBV
RT: 9.39 min Scan# 727
Delta R.T. 0.01 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 83 Resp: 2294

Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.9	85.9
47	0.0	2.3	42.3#

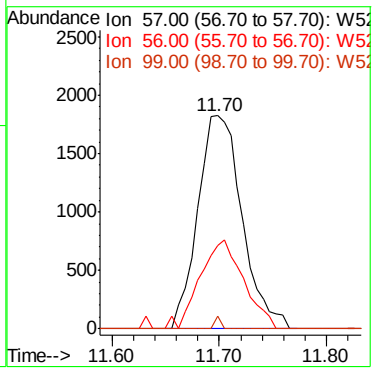


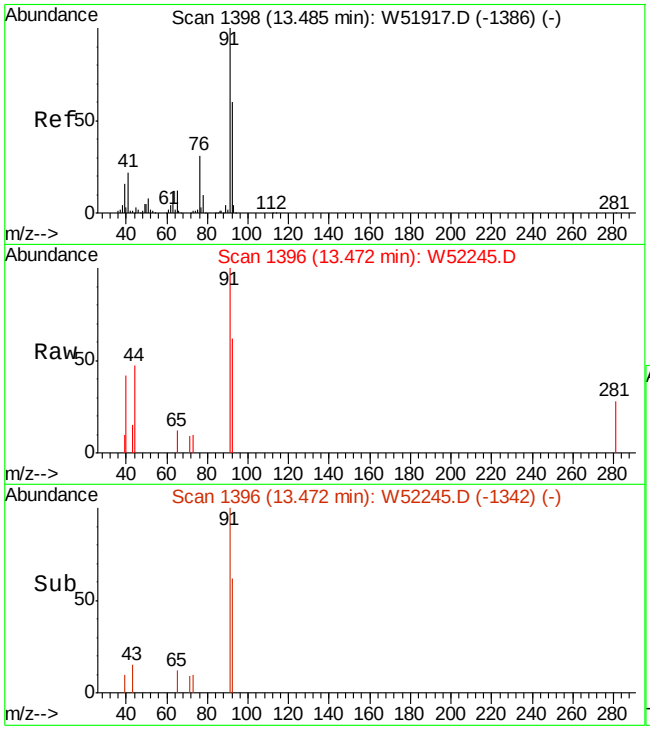


#58
2,2,4-TRIMETHYLPENTANE
Concen: 0.09 PPBV
RT: 11.70 min Scan# 1105
Delta R.T. 0.00 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 57 Resp: 5227

Ion	Ratio	Lower	Upper
57	100		
56	41.2	11.1	51.1
99	0.8	0.0	27.5

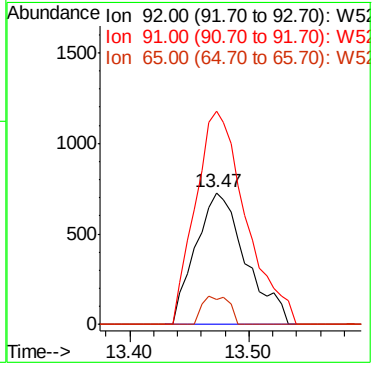


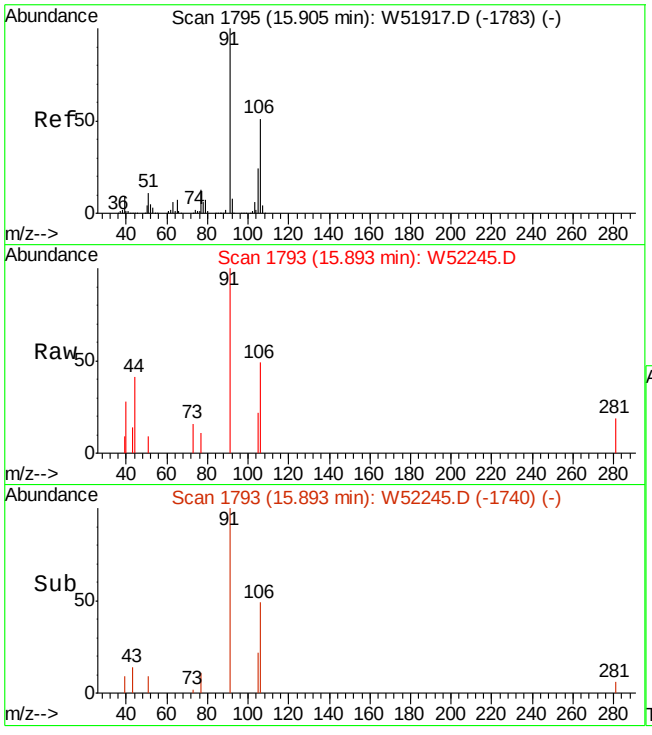


#64
TOLUENE
Concen: 0.10 PPBV
RT: 13.47 min Scan# 1396
Delta R.T. 0.00 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion: 92 Resp: 2128

Ion	Ratio	Lower	Upper
92	100		
91	163.3	148.1	188.1
65	11.6	0.3	40.3

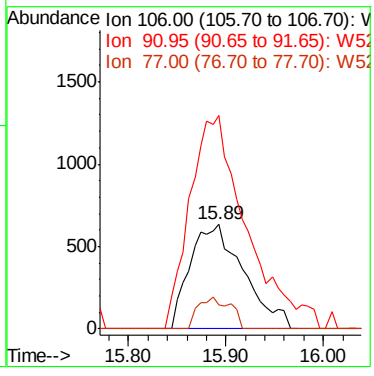




#77
m,p-XYLENE
Concen: 0.15 PPBV
RT: 15.89 min Scan# 1793
Delta R.T. -0.01 min
Lab File: W52245.D
Acq: 30 Oct 2015 4:27 pm

Tgt Ion:106 Resp: 2424

Ion	Ratio	Lower	Upper
106	100		
91	203.5	155.4	233.2
77	22.9	19.8	29.6



7.4.2

7

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50806.D Vial: 10
Acq On : 3 Nov 2015 6:47 pm Operator: YOUMINH
Sample : JC7415-1DUP Inst : MS3W
Misc : MS93791,V3W1930,100,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 09:32:29 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	144270	10.00	PPBV	-0.01
52) 1,4-DIFLUOROBENZENE	8.70	114	662938	10.00	PPBV	-0.01
71) CHLOROBENZENE-D5	12.82	82	286938	10.00	PPBV	-0.01

System Monitoring Compounds

86) 4-BROMOFLUOROBENZENE	14.46	95	256408	9.18	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 91.80%

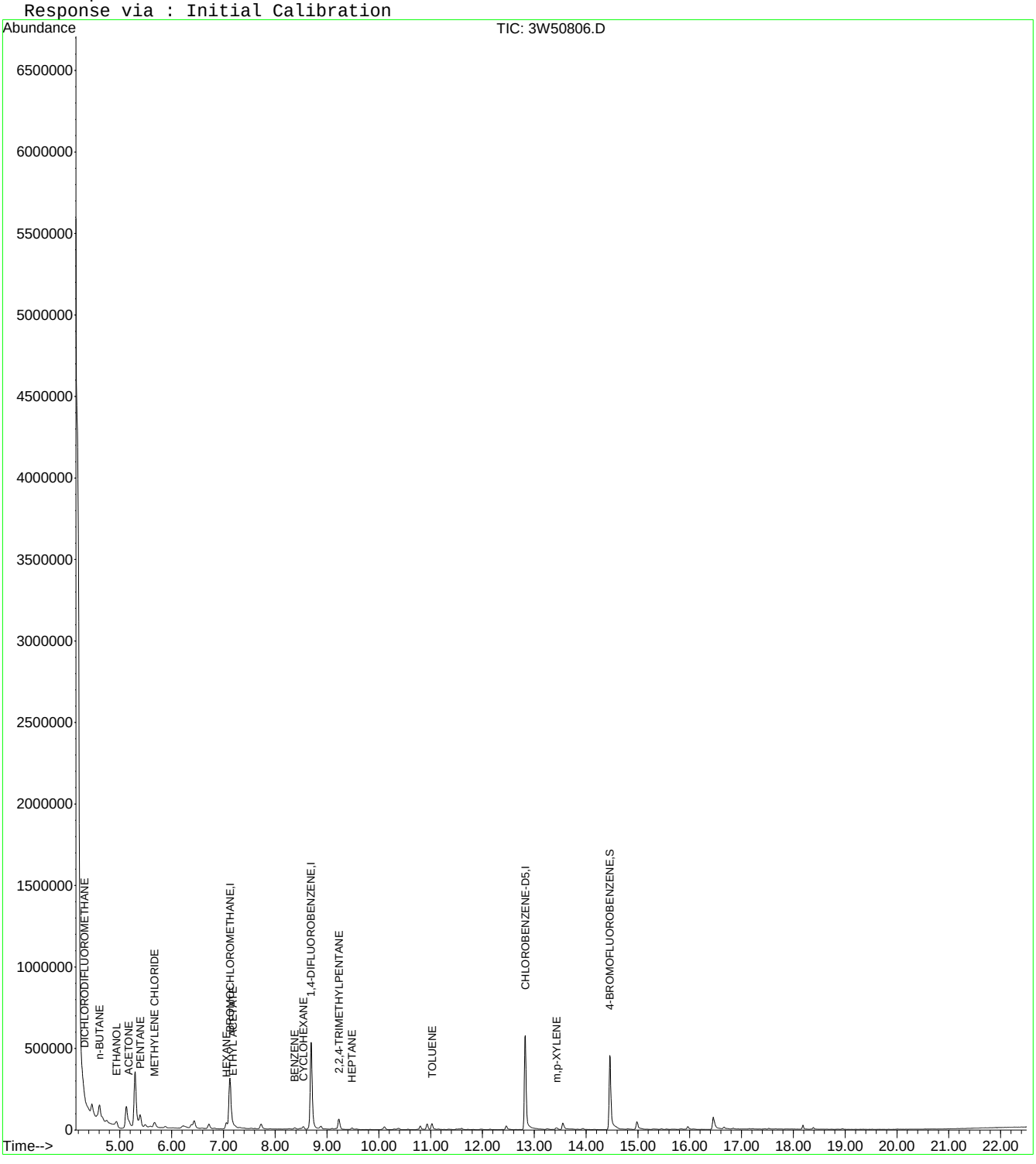
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	4.32	85	8423	0.18	PPBV	#	90
13) n-BUTANE	4.61	43	140901	4.14	PPBV	#	99
23) ACETONE	5.18	58	29609	2.92	PPBV	#	1
24) PENTANE	5.39	42	47957	2.05	PPBV		96
29) ETHANOL	4.94	45	44712	4.26	PPBV		95
32) METHYLENE CHLORIDE	5.68	84	14126	0.74	PPBV		92
39) HEXANE	7.06	57	26233	0.77	PPBV	#	84
45) ETHYL ACETATE	7.19	61	3257	0.44	PPBV		96
53) BENZENE	8.37	78	8370	0.14	PPBV		94
54) CYCLOHEXANE	8.54	84	8077	0.25	PPBV	#	57
61) 2,2,4-TRIMETHYLPENTANE	9.23	57	73596	0.73	PPBV		87
63) HEPTANE	9.48	43	6683	0.18	PPBV		81
68) TOLUENE	11.03	92	21620	0.55	PPBV		98
81) m,p-XYLENE	13.44	106	4935	0.18	PPBV		94

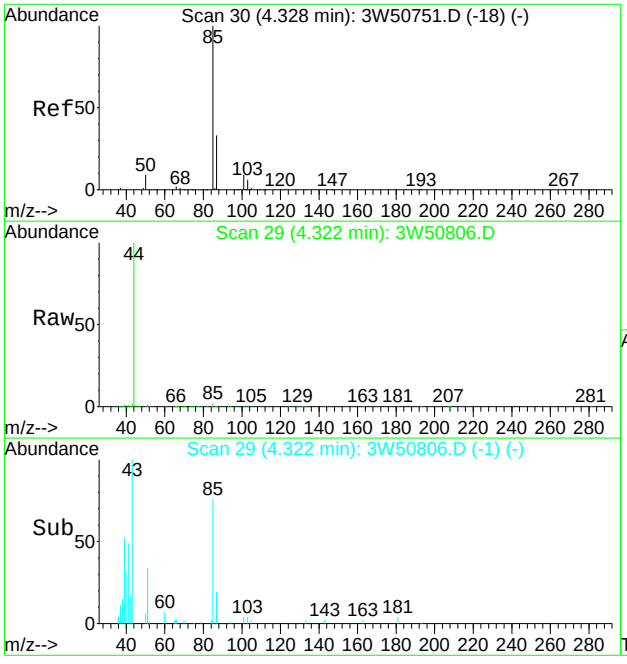
(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50806.D M3W1928.M Wed Nov 04 12:19:05 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50806.D Vial: 10
Acq On : 3 Nov 2015 6:47 pm Operator: YOUMINH
Sample : JC7415-1DUP Inst : MS3W
Misc : MS93791,V3W1930,100,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 12:05 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

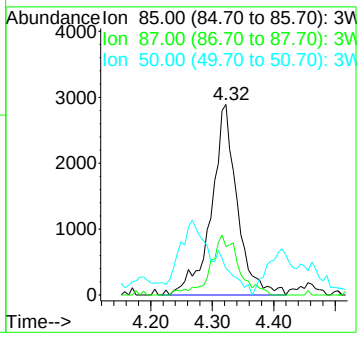


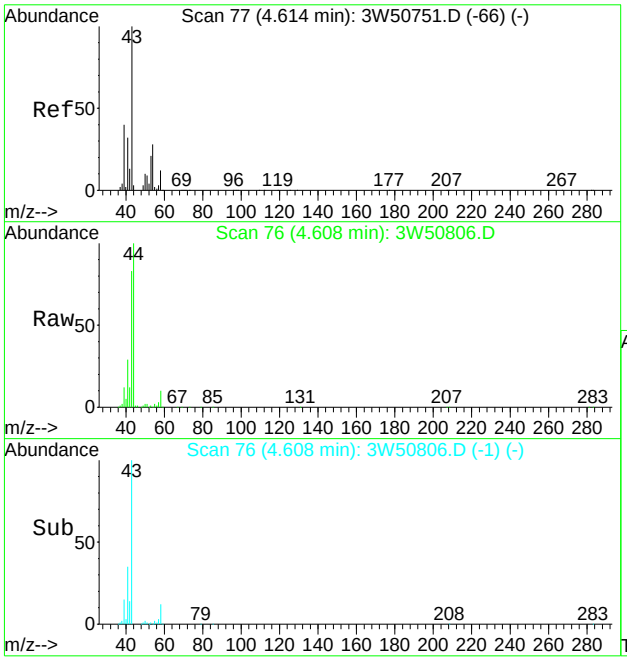


#6
DICHLORODIFLUOROMETHANE
Concen: 0.18 PPBV
RT: 4.32 min Scan# 29
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion: 85 Resp: 8423

Ion	Ratio	Lower	Upper
85	100		
87	34.5	12.6	52.6
50	0.0	0.0	31.2

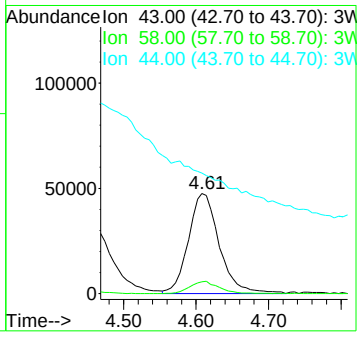




#13
n-BUTANE
Concen: 4.14 PPBV
RT: 4.61 min Scan# 76
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

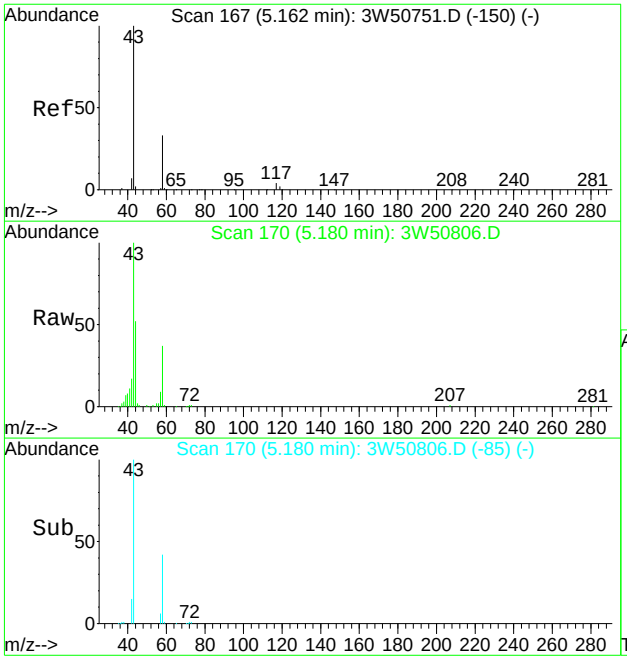
Tgt Ion: 43 Resp: 140901

Ion	Ratio	Lower	Upper
43	100		
58	11.6	0.0	32.1
44	0.0	0.0	20.0



7.4.3

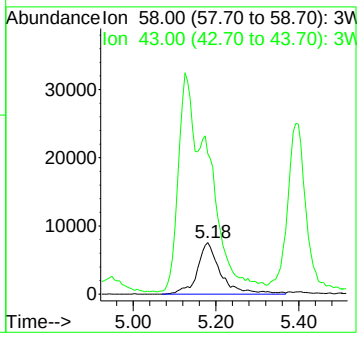
7

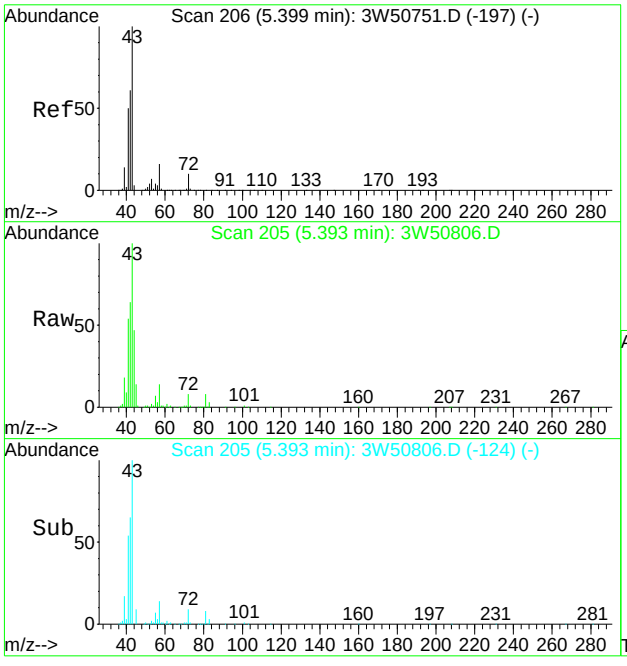


#23
ACETONE
Concen: 2.92 PPBV
RT: 5.18 min Scan# 170
Delta R.T. 0.02 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion: 58 Resp: 29609

Ion	Ratio	Lower	Upper
58	100		
43	0.0	278.7	318.7#

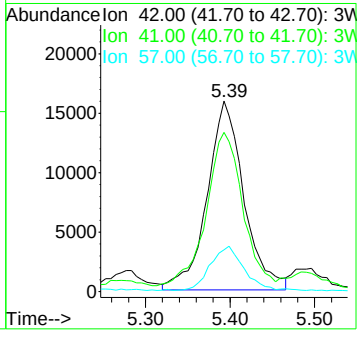


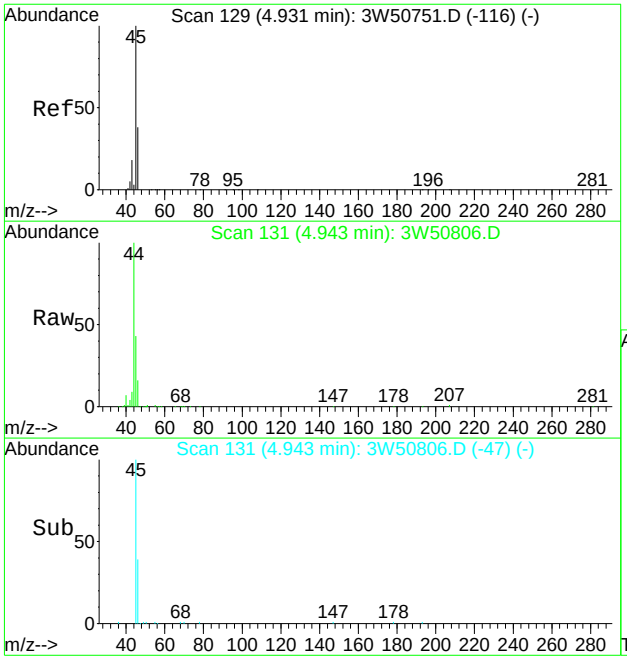


#24
PENTANE
Concen: 2.05 PPBV
RT: 5.39 min Scan# 205
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion: 42 Resp: 47957

Ion	Ratio	Lower	Upper
42	100		
41	80.8	63.8	103.8
57	22.5	5.7	45.7

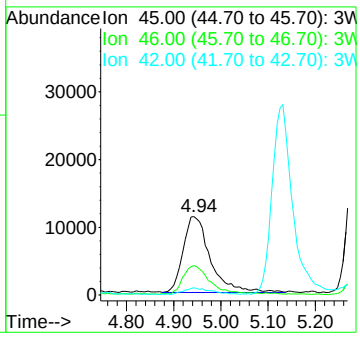


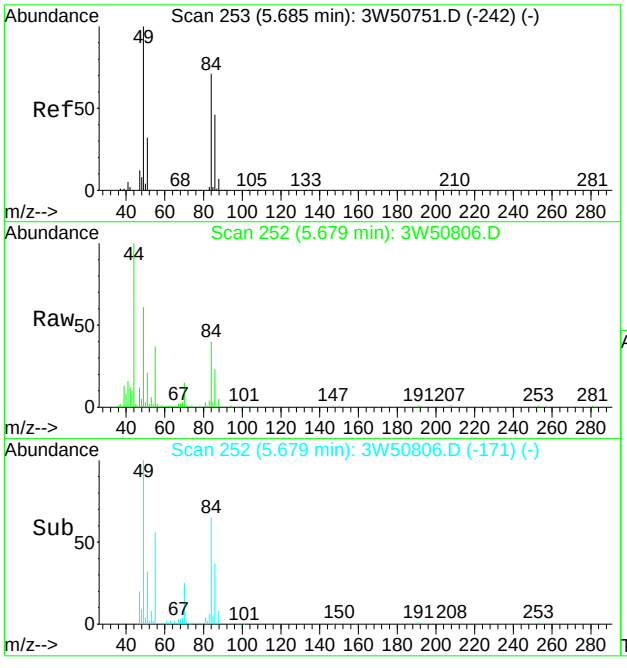


#29
ETHANOL
Concen: 4.26 PPBV
RT: 4.94 min Scan# 131
Delta R.T. 0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion: 45 Resp: 44712

Ion	Ratio	Lower	Upper
45	100		
46	38.8	16.5	56.5
42	9.8	0.0	25.6

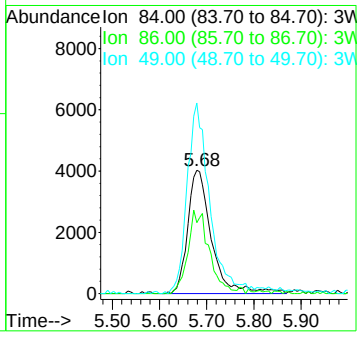




#32
METHYLENE CHLORIDE
Concen: 0.74 PPBV
RT: 5.68 min Scan# 252
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

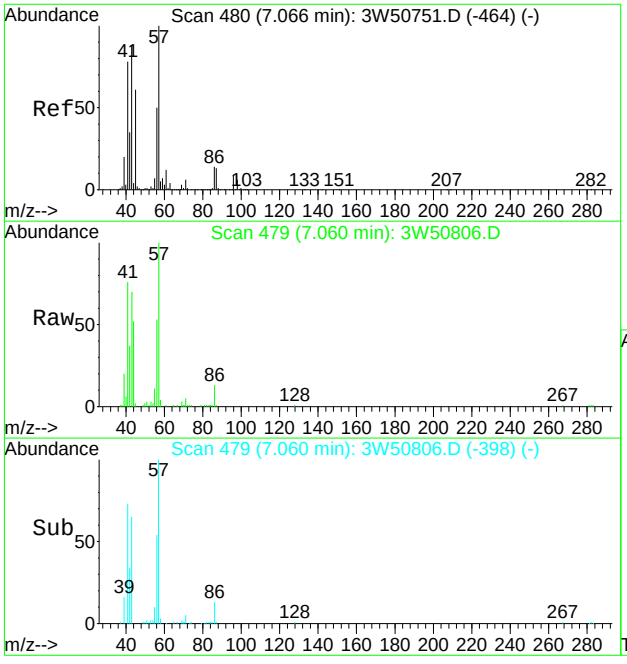
Tgt Ion: 84 Resp: 14126

Ion	Ratio	Lower	Upper
84	100		
86	59.8	49.5	89.5
49	153.4	0.0	362.2



7.4.3

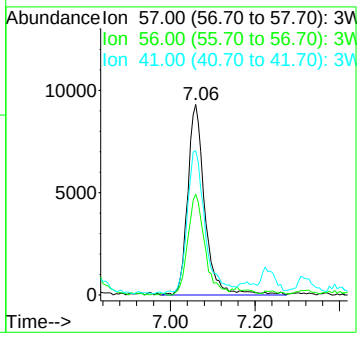
7

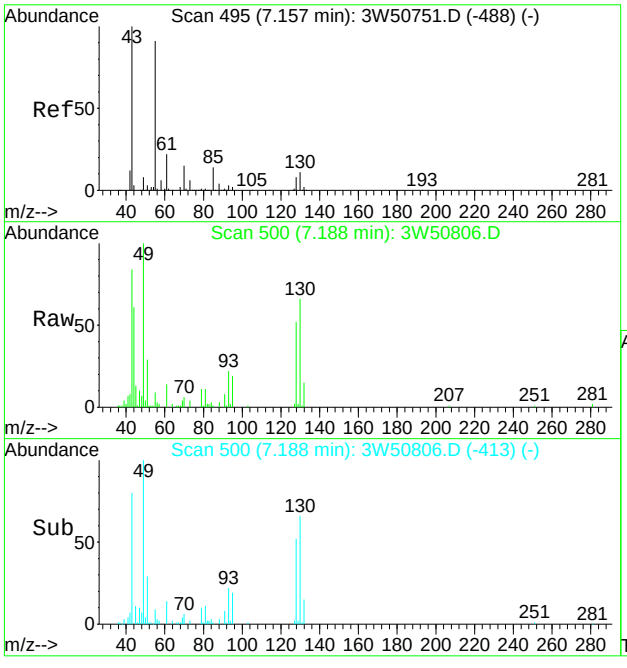


#39
HEXANE
Concen: 0.77 PPBV
RT: 7.06 min Scan# 479
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion: 57 Resp: 26233

Ion	Ratio	Lower	Upper
57	100		
56	52.5	27.6	67.6
41	78.5	79.0	119.0#

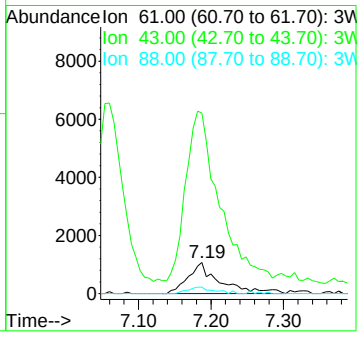




#45
ETHYL ACETATE
Concen: 0.44 PPBV
RT: 7.19 min Scan# 500
Delta R.T. 0.03 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

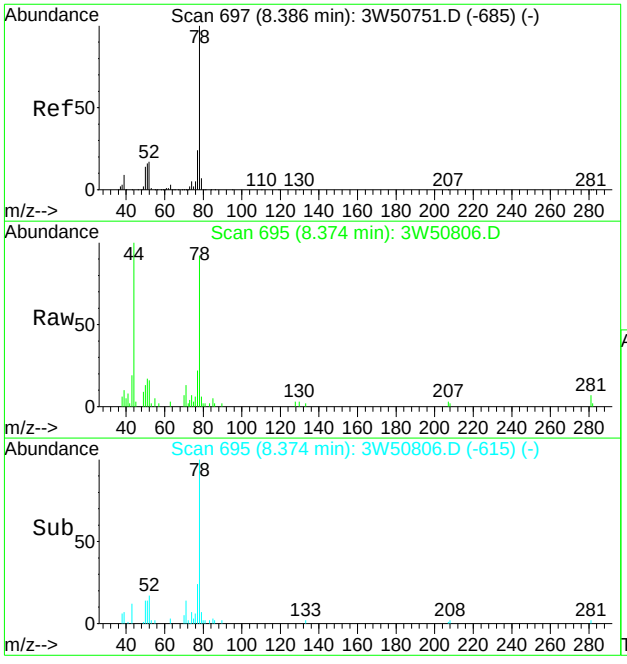
Tgt Ion: 61 Resp: 3257

Ion	Ratio	Lower	Upper
61	100		
43	641.4	632.7	672.7
88	17.0	3.4	43.4



7.4.3

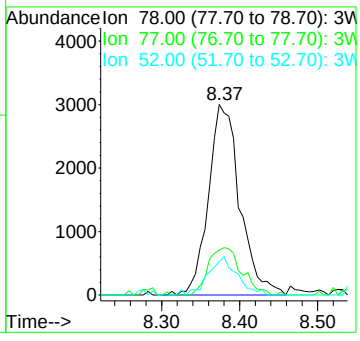
7

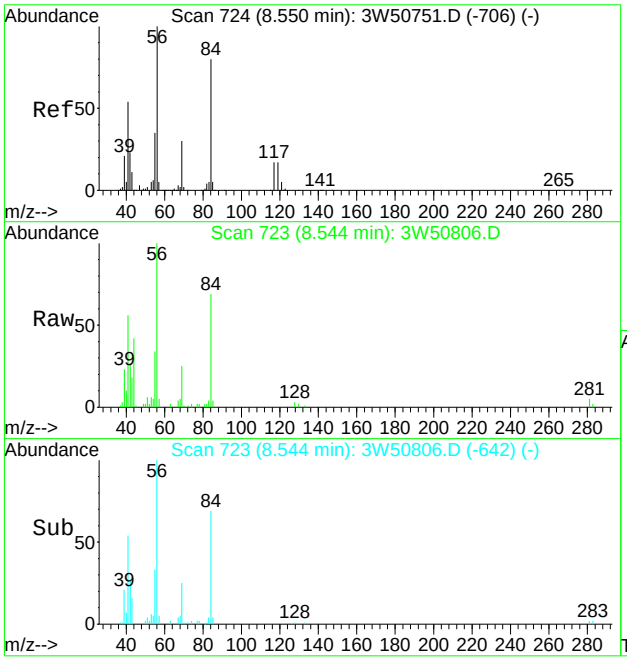


#53
BENZENE
Concen: 0.14 PPBV
RT: 8.37 min Scan# 695
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion: 78 Resp: 8370

Ion	Ratio	Lower	Upper
78	100		
77	26.3	3.2	43.2
52	18.4	0.0	36.4

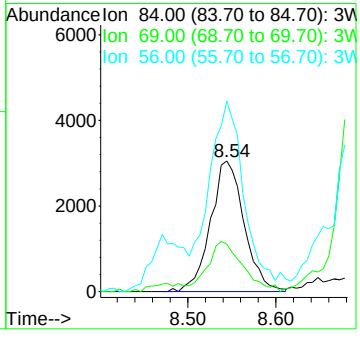




#54
CYCLOHEXANE
Concen: 0.25 PPBV
RT: 8.54 min Scan# 723
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

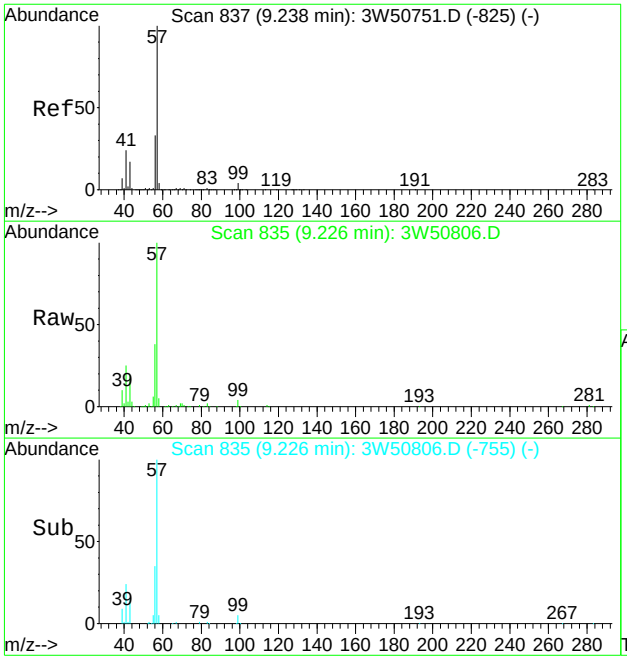
Tgt Ion: 84 Resp: 8077

Ion	Ratio	Lower	Upper
84	100		
69	40.2	10.8	50.8
56	155.9	83.9	123.9#



7.4.3

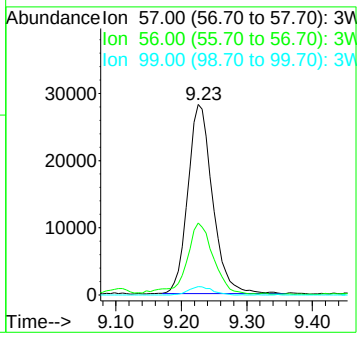
7

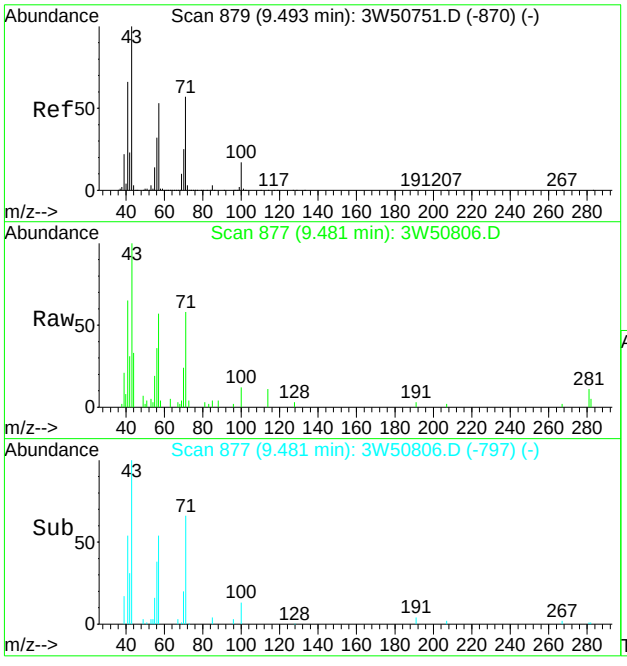


#61
2,2,4-TRIMETHYLPENTANE
Concen: 0.73 PPBV
RT: 9.23 min Scan# 835
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion: 57 Resp: 73596

Ion	Ratio	Lower	Upper
57	100		
56	41.4	13.3	53.3
99	4.3	0.0	24.6

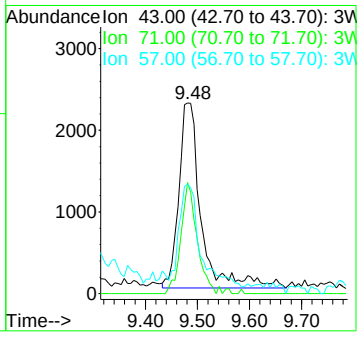


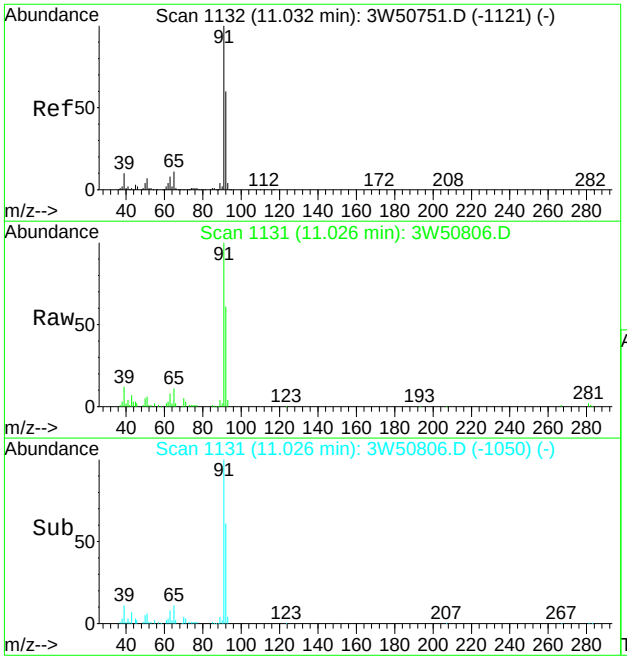


#63
HEPTANE
Concen: 0.18 PPBV
RT: 9.48 min Scan# 877
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion: 43 Resp: 6683

Ion	Ratio	Lower	Upper
43	100		
71	43.3	34.9	74.9
57	69.7	34.5	74.5

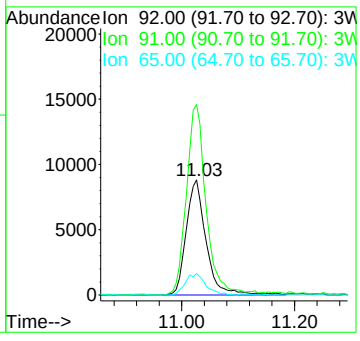


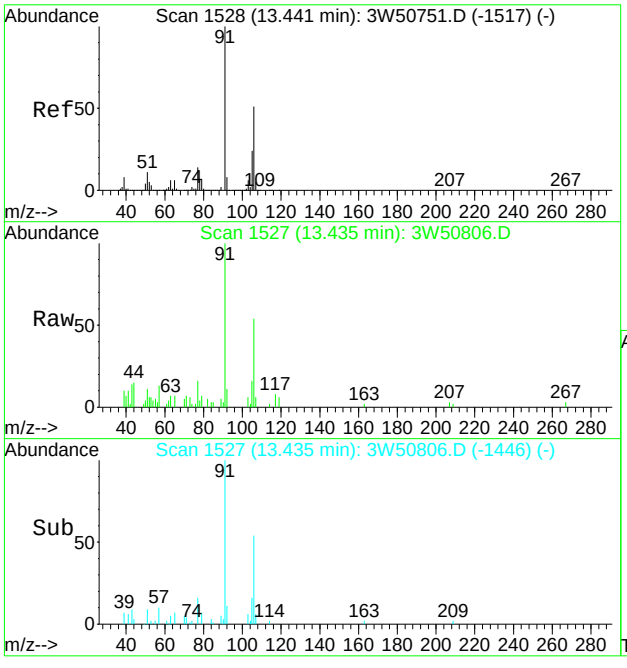


#68
TOLUENE
Concen: 0.55 PPBV
RT: 11.03 min Scan# 1131
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion: 92 Resp: 21620

Ion	Ratio	Lower	Upper
92	100		
91	166.4	147.9	187.9
65	19.0	1.8	41.8

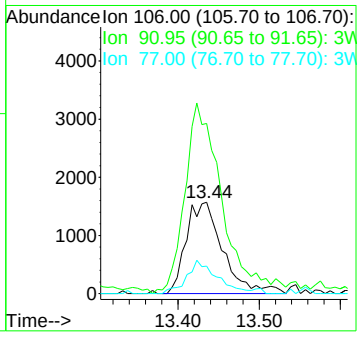




#81
m,p-XYLENE
Concen: 0.18 PPBV
RT: 13.44 min Scan# 1527
Delta R.T. -0.01 min
Lab File: 3W50806.D
Acq: 3 Nov 2015 6:47 pm

Tgt Ion:106 Resp: 4935

Ion	Ratio	Lower	Upper
106	100		
91	186.1	174.9	214.9
77	30.0	6.4	46.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14152.D
Acq On : 3 Oct 2015 2:09 am
Operator : YOUMINH
Sample : SCC(A612)
Misc : MS92139,v5w564,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 14:49:15 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	8.493	130	145202	10.00 ppb(v	#-0.03
53) 1,4-Difluorobenzene	10.647	114	554722	10.00 ppb(v	#-0.04
75) Chlorobenzene-d5	16.147	82	314450	10.00 ppb(v	#-0.04
106) Bromochloromethane (A)	8.493	130	145202	10.00 ppb(v	#-0.03
System Monitoring Compounds					
89) 4-Bromofluorobenzene	18.380	95	358047	9.59 ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 95.90%		

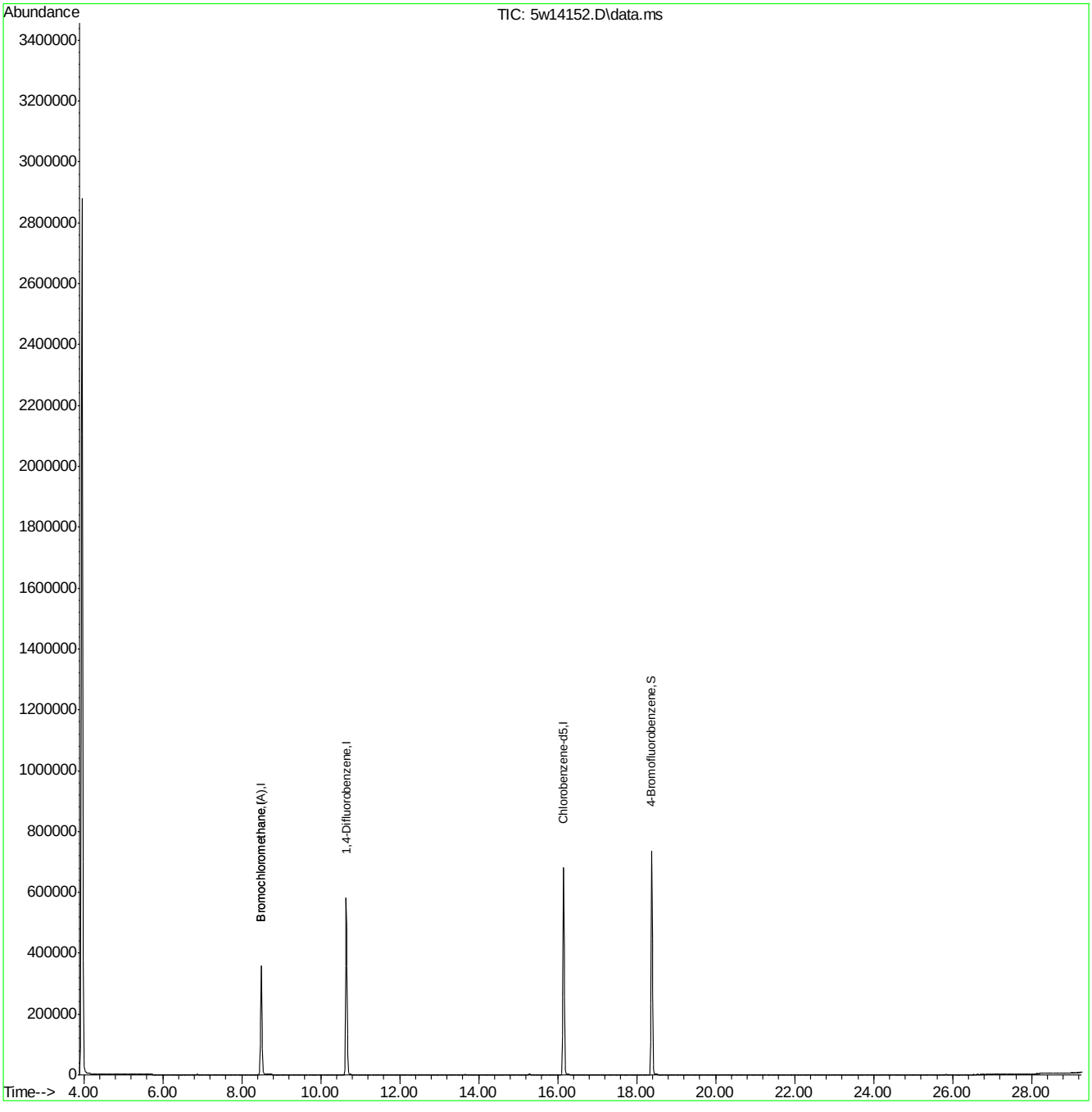
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14152.D
Acq On : 3 Oct 2015 2:09 am
Operator : YOUMINH
Sample : SCC(A612)
Misc : MS92139,v5w564,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 14:49:15 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14169.D
Acq On : 5 Oct 2015 9:36 pm
Operator : YOUMINH
Sample : SCC(A535)
Misc : MS92235,v5w565,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 07 09:18:26 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	8.494	130	180903	10.00 ppb(v	#-0.03
53) 1,4-Difluorobenzene	10.647	114	675813	10.00 ppb(v	#-0.04
75) Chlorobenzene-d5	16.147	82	351650	10.00 ppb(v	#-0.04
106) Bromochloromethane (A)	8.494	130	181605	10.00 ppb(v	#-0.03
System Monitoring Compounds					
89) 4-Bromofluorobenzene	18.380	95	411196	9.84 ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.40%		

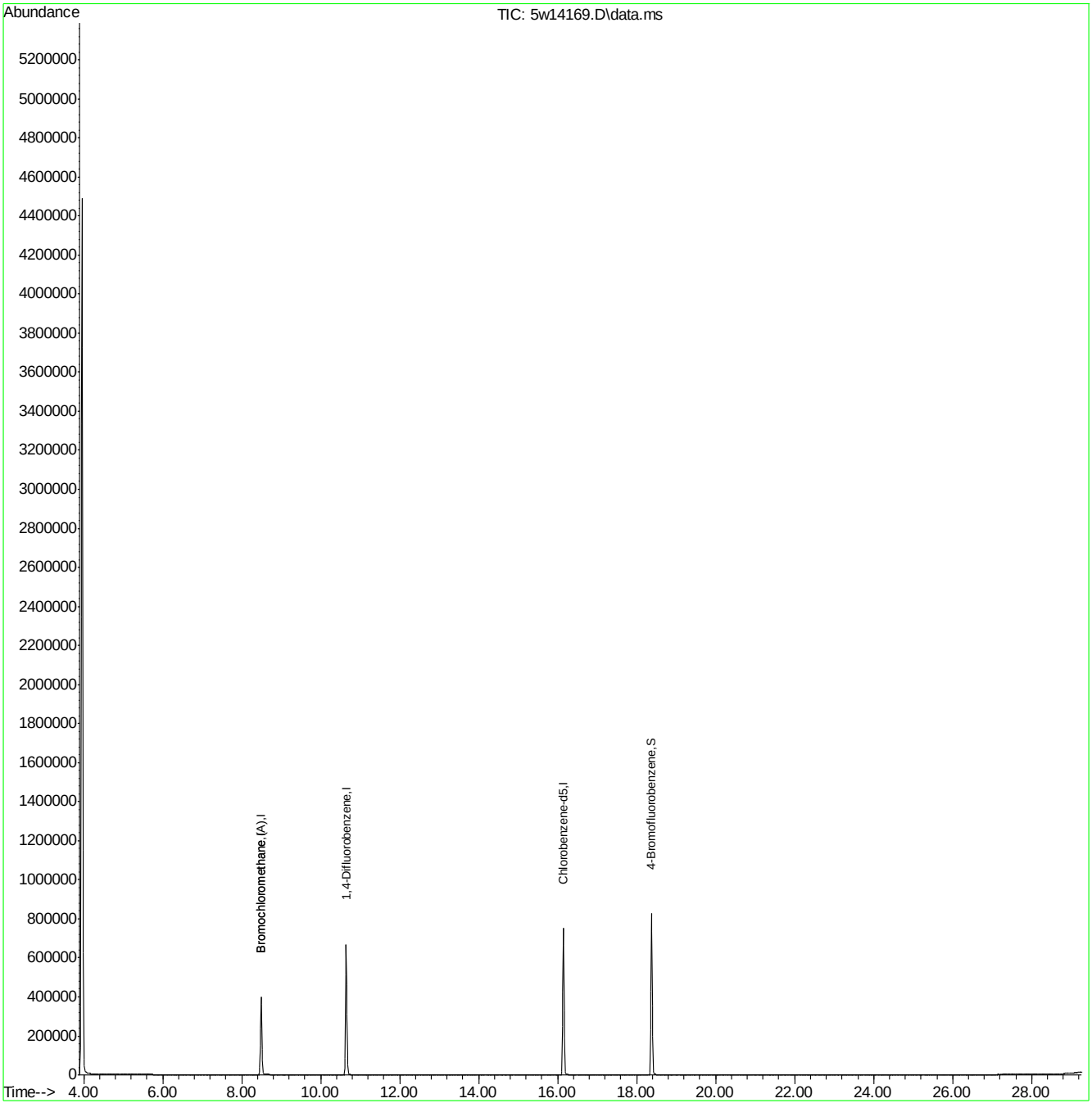
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14169.D
Acq On : 5 Oct 2015 9:36 pm
Operator : YOUMINH
Sample : SCC(A535)
Misc : MS92235,v5w565,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 07 09:18:26 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52224.D Vial: 15
Acq On : 29 Oct 2015 10:20 pm Operator: youminh
Sample : SCC(A542) Inst : MSW
Misc : MS93680,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:05:43 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	85963	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.00	114	401898	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	145407	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.89	95	135116	8.50	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 85.00%

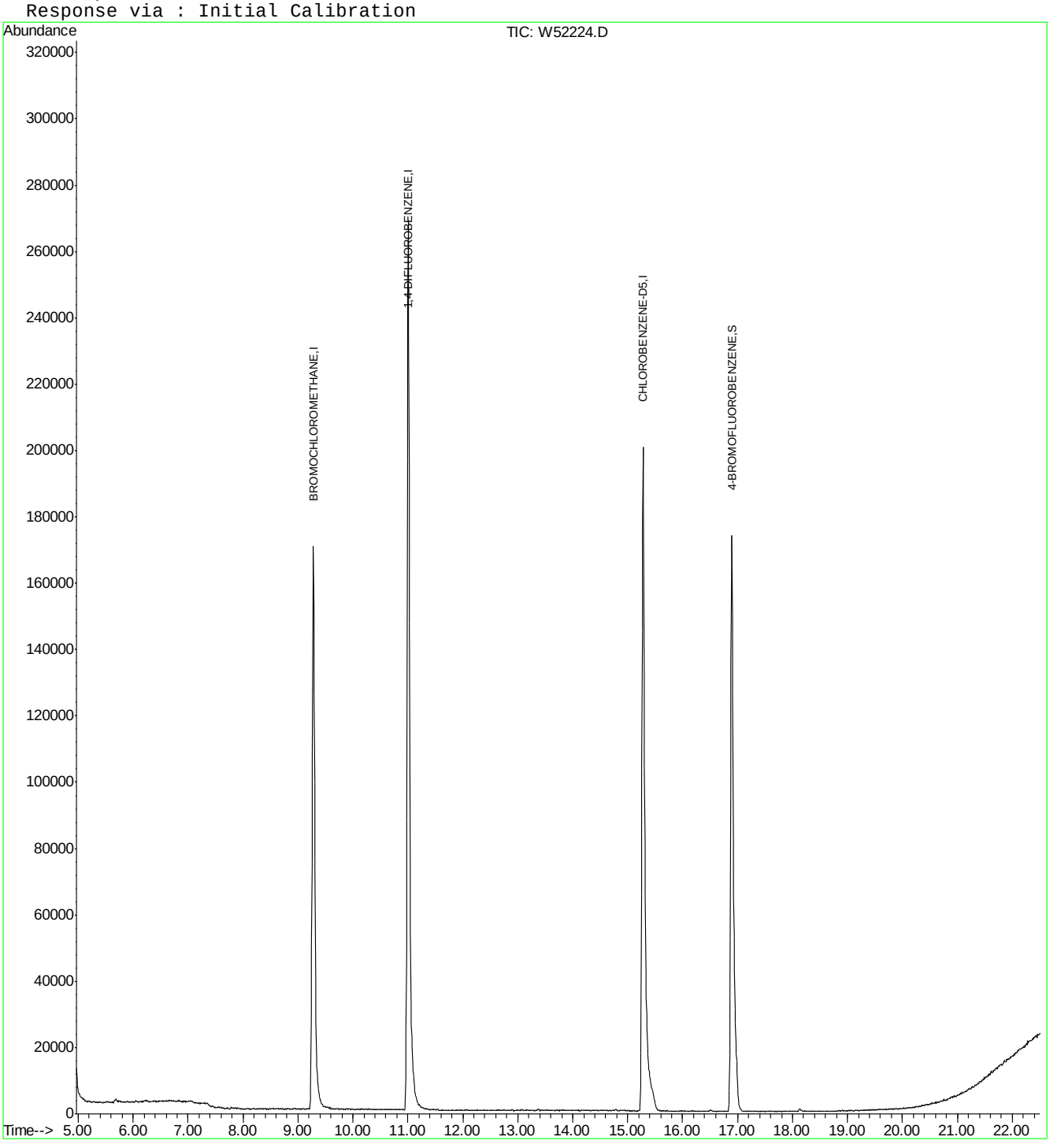
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52224.D Vial: 15
Acq On : 29 Oct 2015 10:20 pm Operator: youminh
Sample : SCC(A542) Inst : MSW
Misc : MS93680,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 11:31 2015 Quant Results File: MW2080.RES

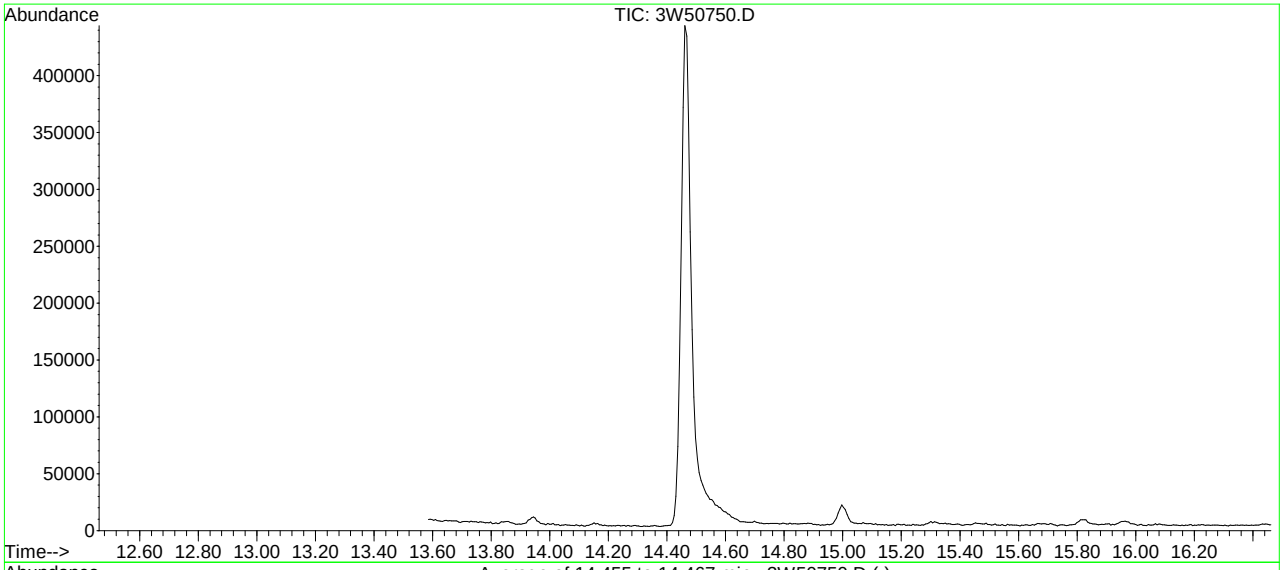
Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration

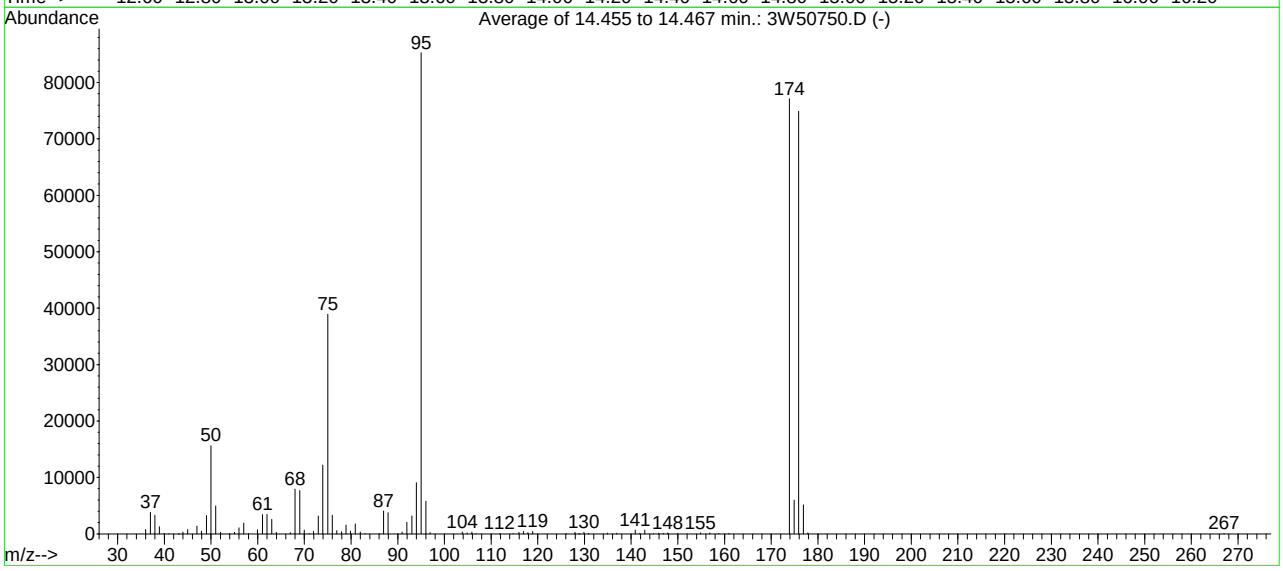


W52224.D MW2080.M Fri Oct 30 12:17:15 2015 MSW Page 2

BFB

Data File : C:\MSDCHEM\1\DATA\3W50750.D Vial: 5
Acq On : 31 Oct 2015 12:07 am Operator: YOUMINH
Sample : BFB Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 144, 145, 146; Background Corrected with Scan 134

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	15611	PASS
75	95	30	66	45.7	38944	PASS
95	95	100	100	100.0	85256	PASS
96	95	5	9	6.8	5792	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	90.5	77120	PASS
175	174	4	9	7.8	6010	PASS
176	174	93	101	97.1	74901	PASS
177	176	5	9	6.9	5167	PASS

3W50750.D M3W1928.M Mon Nov 02 15:51:29 2015 MS3W

Average of 14.455 to 14.467 min.: 3W50750.D
BFB
Modified:subtracted

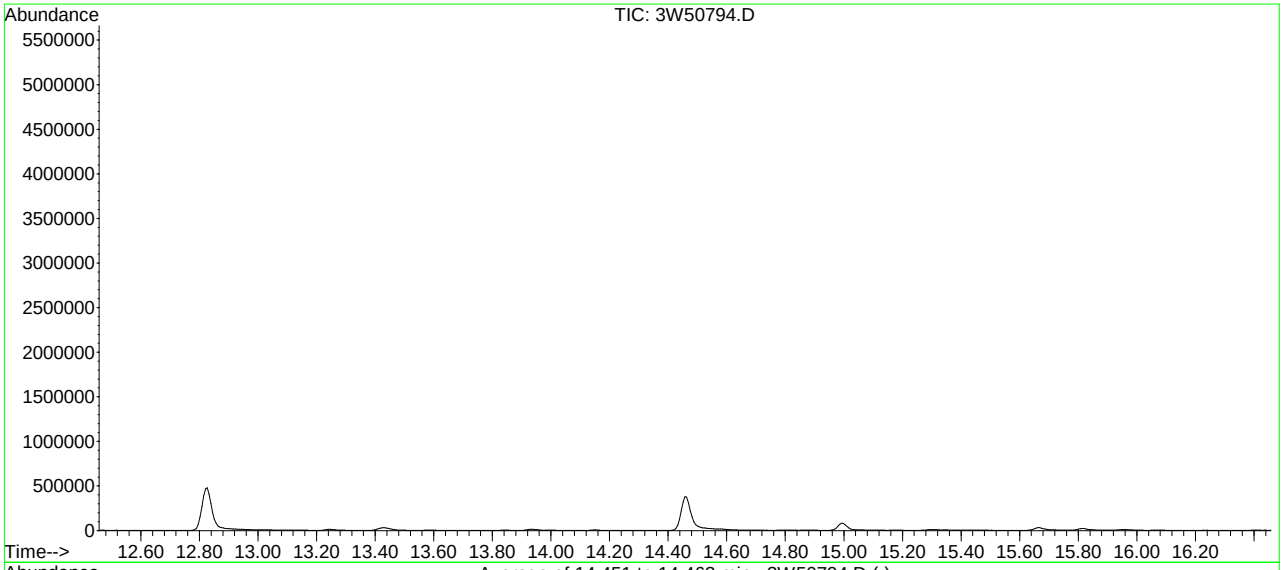
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	748	49.00	3270	62.00	3471	75.00	38944
37.00	3802	50.00	15611	63.00	2552	76.00	3297
38.00	3308	51.00	4941	63.95	256	76.95	551
38.95	1262	52.00	259	67.00	247	77.95	369
39.95	85	54.00	46	68.00	7910	78.90	1579
41.00	9	55.00	269	69.00	7675	79.90	477
43.00	3	56.00	1064	69.95	696	80.90	1779
44.00	318	57.00	1925	71.00	39	81.95	336
45.00	759	58.05	98	71.95	446	83.00	40
47.00	1367	59.95	705	73.00	3174	86.10	45
47.95	494	61.00	3409	73.95	12190	86.95	4066

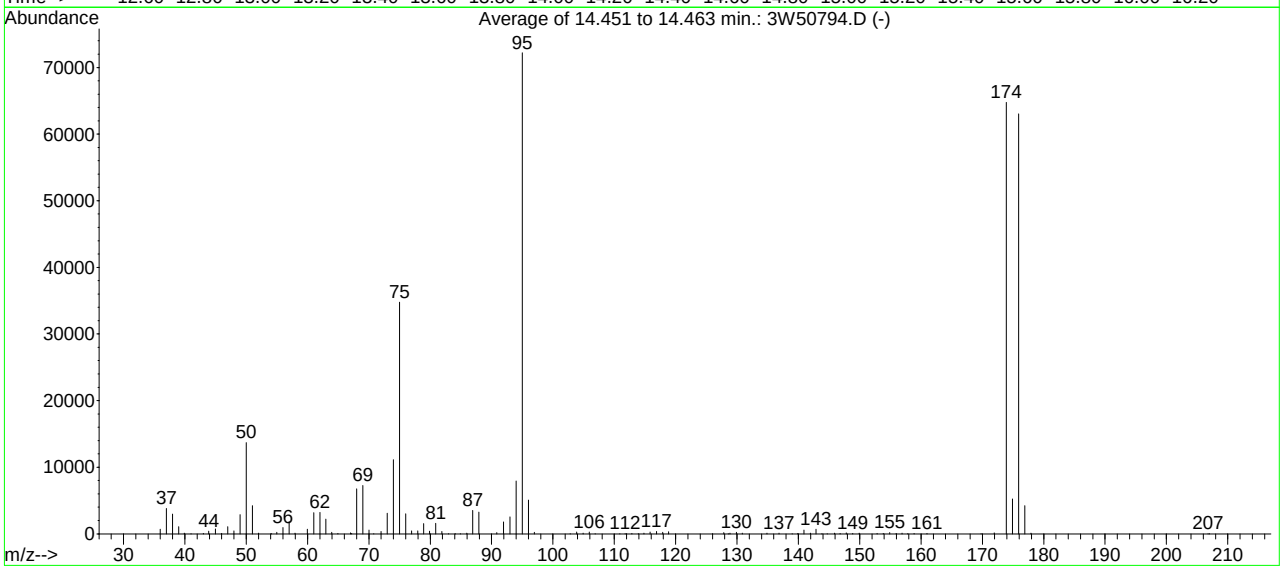
Average of 14.455 to 14.467 min.: 3W50750.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	3769	106.80	35	129.90	289	149.90	34
90.95	314	111.80	42	130.90	84	154.85	180
91.95	2073	114.70	39	134.95	118	156.85	159
93.00	3154	115.95	289	136.90	128	158.75	67
94.00	9060	116.90	407	140.85	683	160.90	79
95.00	85256	117.90	248	141.85	78	173.90	77120
96.00	5792	118.90	432	142.90	678	174.90	6010
96.95	227	126.10	34	144.80	35	175.90	74901
103.85	327	127.95	279	145.90	137	176.90	5167
104.85	152	128.80	41	146.90	74	177.85	152
105.90	322	129.00	49	147.85	182	267.00	55

BFB

Data File : C:\MSDCHEM\1\DATA\3W50794.D Vial: 1
Acq On : 3 Nov 2015 8:58 am Operator: YOUMINH
Sample : BFB Inst : MS3W
Misc : MS79337,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 1694, 1695, 1696; Background Corrected with Scan 1681

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.0	13682	PASS
75	95	30	66	48.2	34786	PASS
95	95	100	100	100.0	72194	PASS
96	95	5	9	7.0	5086	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	89.7	64781	PASS
175	174	4	9	8.1	5243	PASS
176	174	93	101	97.3	63050	PASS
177	176	5	9	6.7	4231	PASS

3W50794.D M3W1928.M Wed Nov 04 12:18:57 2015 MS3W

Average of 14.451 to 14.463 min.: 3W50794.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	689	48.00	429	61.00	3182	72.00	371
37.00	3816	49.00	2889	62.00	3204	73.00	3098
38.00	2973	50.00	13682	63.00	2221	74.00	11151
39.00	1088	51.00	4230	63.95	223	75.00	34786
39.90	94	52.00	94	64.95	80	76.00	3026
41.00	30	54.05	69	67.00	150	76.95	427
43.00	63	55.00	239	67.20	57	77.95	449
43.90	382	56.00	960	68.00	6757	78.90	1532
45.00	737	57.00	1843	69.00	7259	79.90	407
46.00	45	57.95	88	70.00	569	80.90	1581
47.00	1085	59.95	682	70.80	25	81.90	369

Average of 14.451 to 14.463 min.: 3W50794.D
BFB
Modified:subtracted

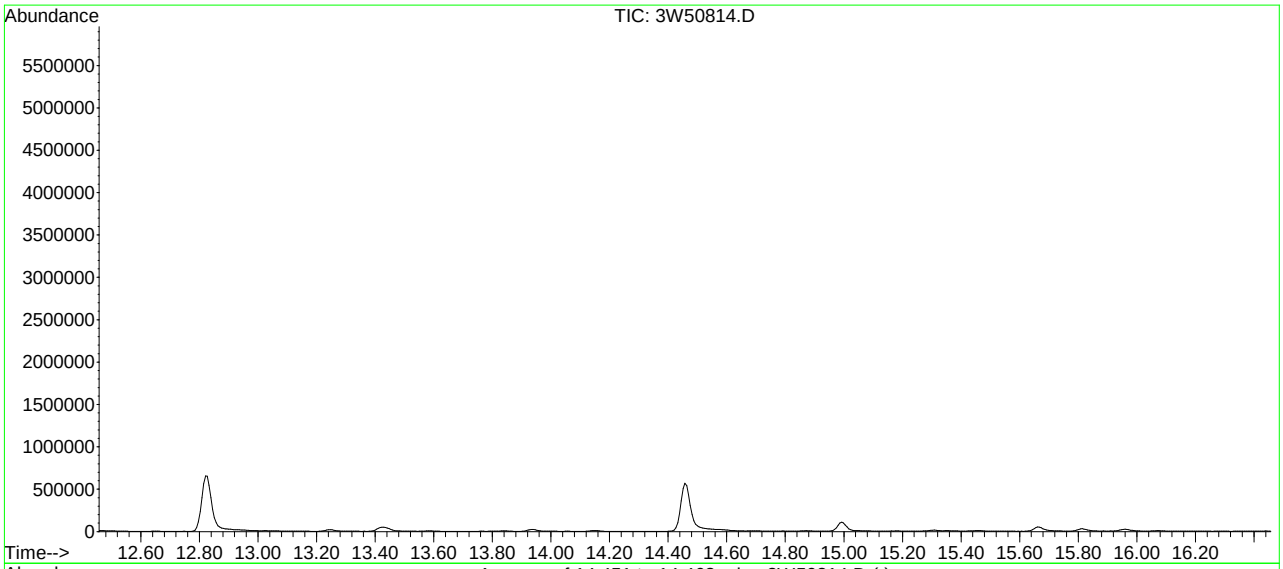
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.00	19	96.00	5086	113.90	26	130.85	114
84.10	27	96.95	220	114.85	94	134.90	116
84.90	16	102.80	16	115.85	258	136.85	113
85.95	125	103.85	265	116.90	353	139.00	37
86.90	3503	104.90	122	117.90	223	139.90	45
87.90	3262	105.90	279	118.85	325	140.90	589
90.85	183	106.90	20	126.00	22	141.95	108
91.95	1802	110.90	17	127.85	200	142.90	700
93.00	2552	111.75	34	128.60	25	143.85	40
94.00	7941	112.00	17	128.85	100	144.70	21
95.00	72194	112.85	48	129.90	234	145.90	116

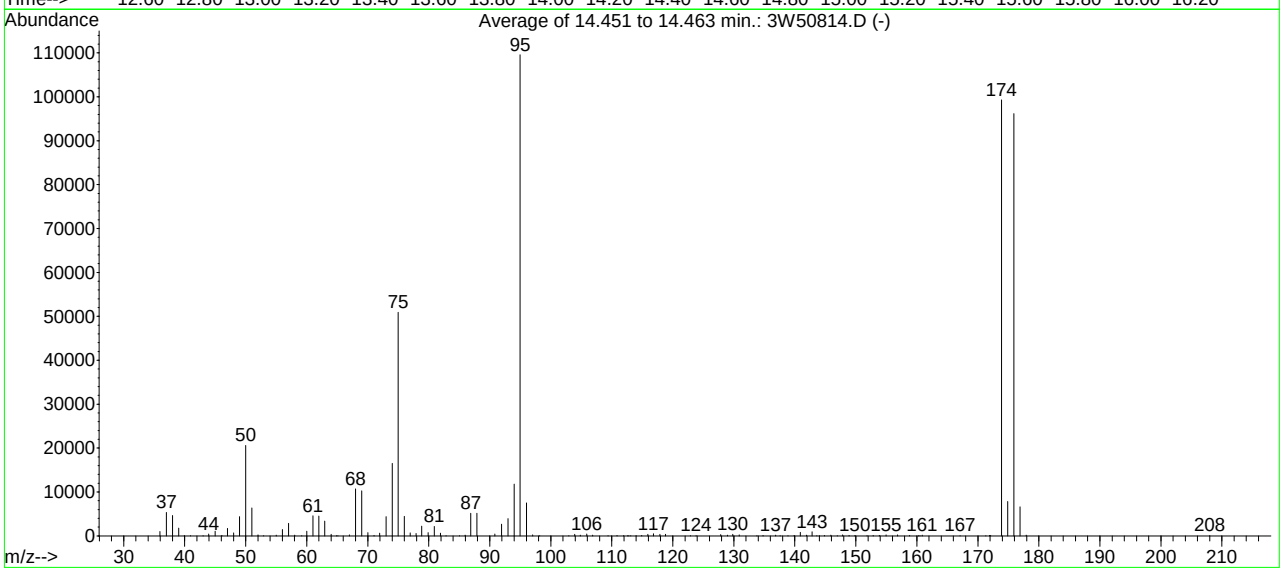
Average of 14.451 to 14.463 min.: 3W50794.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.80	47	160.95	83				
147.80	152	169.80	18				
148.85	51	171.95	170				
149.90	97	173.90	64781				
152.85	65	174.90	5243				
153.85	52	175.90	63050				
154.90	177	176.90	4231				
155.95	72	177.90	104				
156.90	121	206.80	21				
157.80	23	207.00	18				
158.85	60						

BFB

Data File : C:\MSDCHEM\1\DATA\3W50814.D Vial: 1
Acq On : 4 Nov 2015 8:47 am Operator: YOUMINH
Sample : BFB Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 1694, 1695, 1696; Background Corrected with Scan 1684

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.8	20610	PASS
75	95	30	66	46.5	50912	PASS
95	95	100	100	100.0	109546	PASS
96	95	5	9	6.9	7508	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	90.6	99264	PASS
175	174	4	9	7.9	7819	PASS
176	174	93	101	96.9	96144	PASS
177	176	5	9	6.9	6605	PASS

3W50814.D M3W1928.M Wed Nov 04 16:20:40 2015 MS3W

Average of 14.451 to 14.463 min.: 3W50814.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	987	48.00	707	60.00	1030	71.05	88
37.00	5312	49.00	4399	61.00	4588	71.95	627
38.00	4605	50.00	20610	62.00	4530	73.00	4362
39.00	1768	51.00	6338	62.95	3387	74.00	16533
39.95	35	52.00	253	64.00	334	75.00	50912
40.95	7	52.95	43	64.90	23	76.00	4443
43.00	31	55.00	157	65.10	22	76.95	676
43.95	448	56.00	1459	67.00	241	77.90	532
45.00	1036	57.00	2841	68.00	10668	78.85	2191
46.10	96	58.05	139	69.00	10267	79.90	708
47.00	1714	59.20	20	70.00	732	80.90	2172

Average of 14.451 to 14.463 min.: 3W50814.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.90	595	96.00	7508	112.60	19	127.85	305
82.85	36	97.05	247	112.80	19	128.95	189
85.05	38	98.20	21	113.10	20	129.85	329
85.95	170	102.95	56	114.00	32	130.90	223
86.90	5164	103.90	353	114.90	102	133.80	21
87.90	5153	104.85	147	115.90	362	134.80	126
90.85	396	105.90	410	116.85	469	136.85	159
91.95	2633	106.85	158	117.90	345	137.60	16
93.00	3919	109.40	17	118.80	365	138.90	58
94.00	11761	110.85	84	122.90	18	139.90	90
94.95	109546	111.90	36	123.80	21	140.90	828

Average of 14.451 to 14.463 min.: 3W50814.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.90	132	152.85	74	172.10	74		
142.85	916	153.85	94	173.90	99264		
143.60	17	154.95	233	174.90	7819		
144.00	62	156.85	196	175.90	96144		
144.85	97	158.80	117	176.90	6605		
145.90	145	160.30	18	177.90	185		
146.95	67	160.50	20	208.00	17		
147.85	202	160.90	163				
148.90	95	167.10	17				
149.85	106	171.30	36				
151.85	48	171.90	75				

BFB

```
Data File : C:\MSDCHEM\1\DATA\OLDV3W\5W13508.D          Vial: 5
Acq On    : 25 Aug 2015   7:33 pm                   Operator: YOUMINH
Sample    : BFB                                     Inst    : GCMS5W
Misc      : MS90117,v5w534,,,,,1                    Multiplr: 1.00
MS Integration Params: RTEINT1.P
Method    : C:\MSDCHEM\1\METHODS\M3W1876.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
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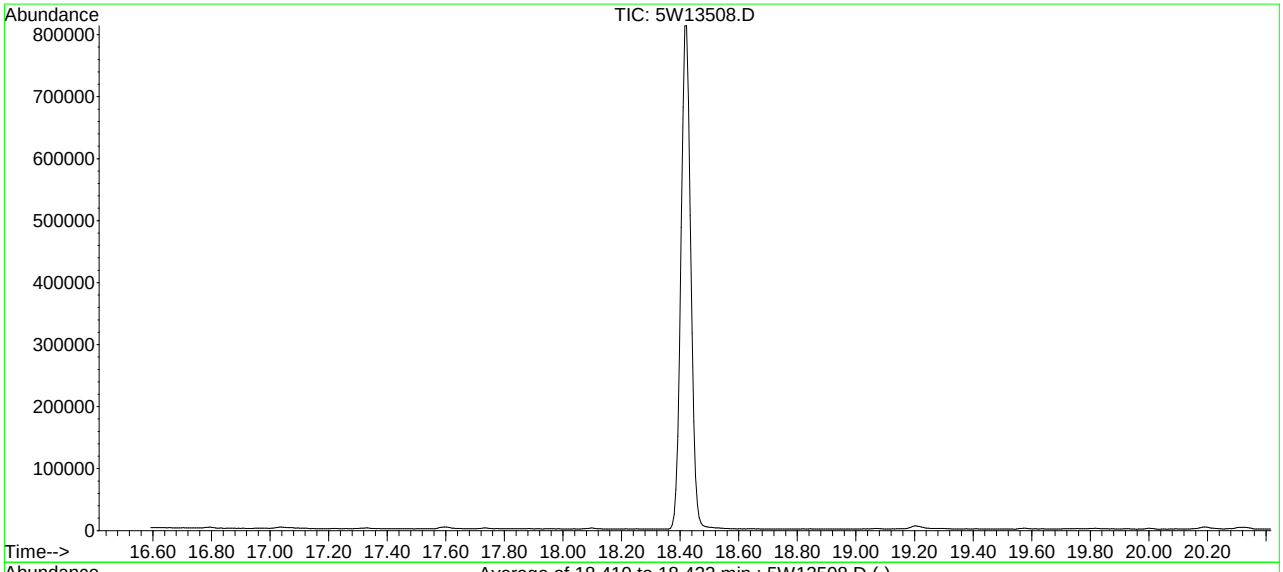
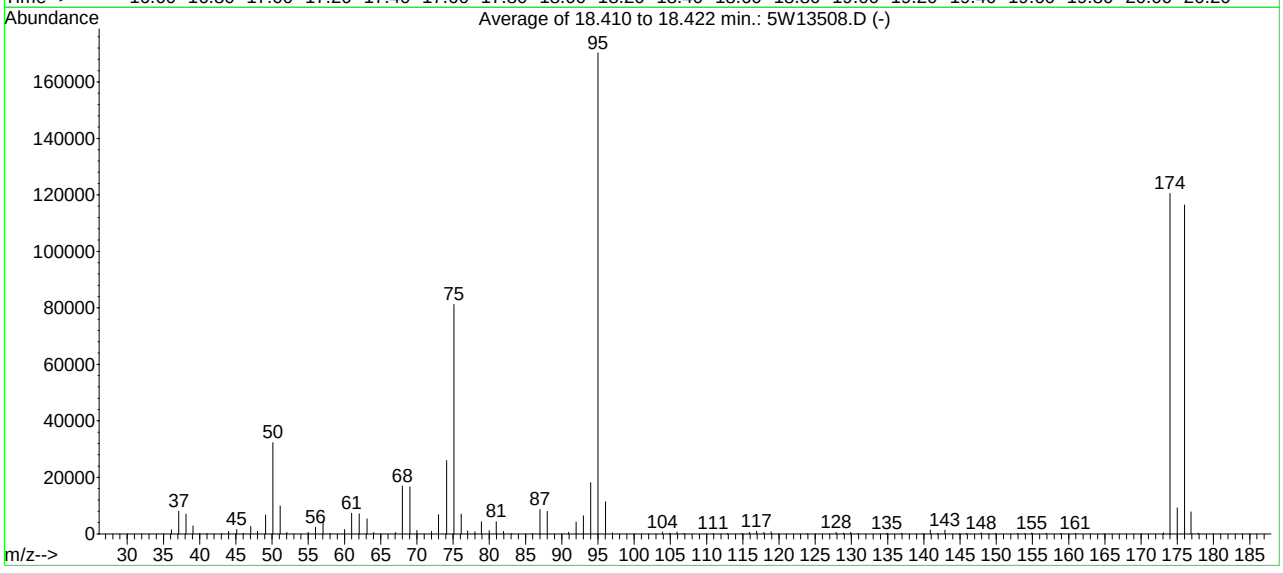




AutoFind: Scans 298, 299, 300; Background Corrected with Scan 288

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.0	32285	PASS
75	95	30	66	47.7	81205	PASS
95	95	100	100	100.0	170282	PASS
96	95	5	9	6.7	11369	PASS
173	174	0.00	2	0.3	353	PASS
174	95	50	120	70.8	120538	PASS
175	174	4	9	7.6	9204	PASS
176	174	93	101	96.6	116440	PASS
177	176	5	9	6.7	7750	PASS

5W13508.D M3W1876.M Wed Aug 26 12:26:47 2015 MS3W

Average of 18.410 to 18.422 min.: 5W13508.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1460	48.00	952	62.05	7052	76.10	7033
37.10	7972	49.10	6718	63.10	5291	77.00	1027
38.10	7021	50.10	32285	64.05	472	78.00	756
39.10	2862	51.10	9906	67.05	456	78.90	4290
40.00	134	52.05	437	68.00	16927	80.00	1146
41.05	19	55.00	519	69.05	16614	80.95	4369
43.05	68	56.00	2347	70.00	1257	81.95	859
44.00	899	57.05	4385	72.00	856	83.05	69
45.10	1517	58.05	187	73.00	6836	85.95	207
46.05	125	60.00	1516	74.10	25949	87.00	8562
47.05	2600	61.00	7256	75.10	81205	88.00	8023

Average of 18.410 to 18.422 min.: 5W13508.D
BFB
Modified:subtracted

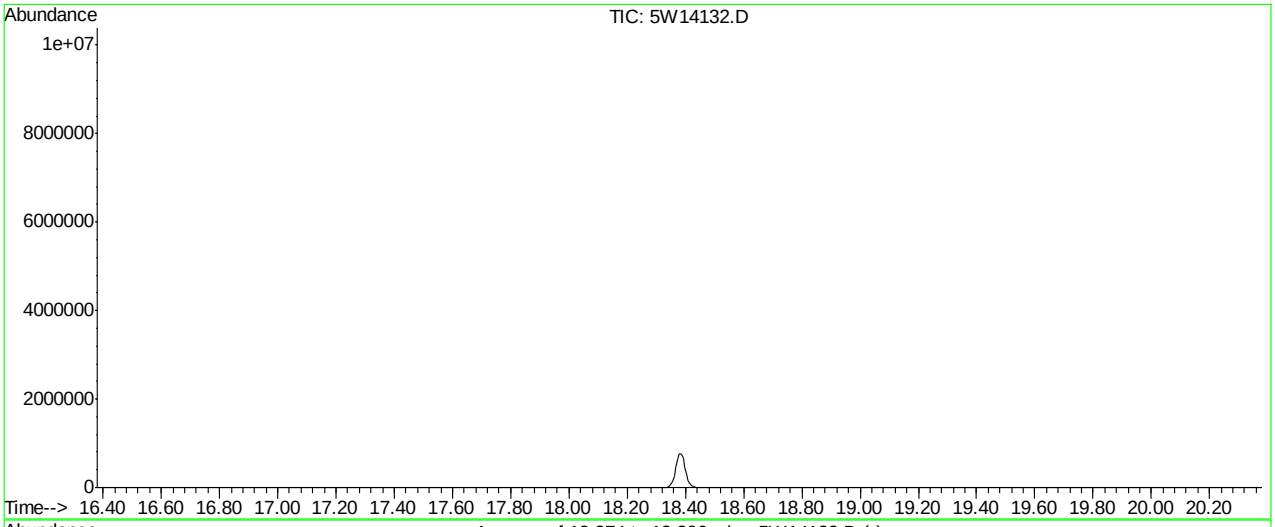
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.95	565	110.90	88	130.90	195	149.90	158
92.00	4269	112.90	113	134.90	264	152.95	117
93.00	6408	114.90	159	136.90	256	153.90	37
94.00	18130	115.90	530	139.90	33	154.90	371
95.00	170282	116.90	957	140.90	1302	156.90	241
96.05	11369	117.90	521	141.90	179	158.90	121
97.00	363	118.90	734	142.90	1395	160.90	154
103.90	676	123.90	34	144.95	88	173.10	353
104.90	229	127.90	549	145.90	195	174.00	120538
105.90	632	128.90	245	147.90	345	175.00	9204
106.90	187	129.90	542	148.90	35	176.00	116440

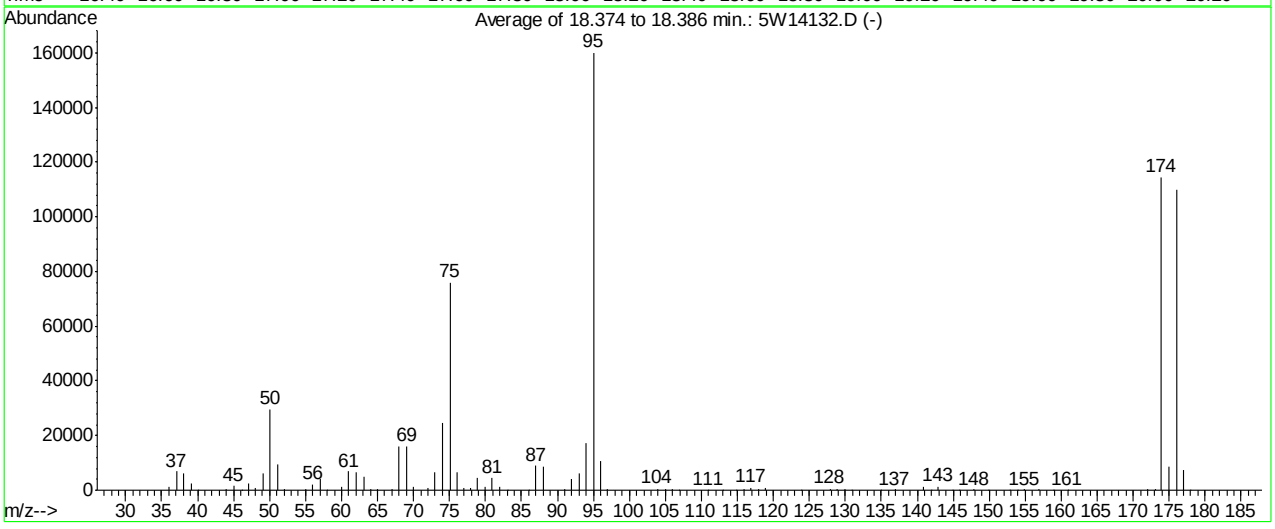
Average of 18.410 to 18.422 min.: 5W13508.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.90	7750						
177.90	211						

BFB

Data File : C:\MSDCHEM\1\DATA\OLDV3W\5W14132.D Vial: 1
Acq On : 2 Oct 2015 9:10 am Operator: YOUMINH
Sample : BFB Inst : GCMS5W
Misc : MS91996,v5w564,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Method : C:\MSDCHEM\1\METHODS\M3W1911.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 2368, 2369, 2370; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.5	29584	PASS
75	95	30	66	47.4	75890	PASS
95	95	100	100	100.0	160128	PASS
96	95	5	9	6.6	10635	PASS
173	174	0.00	2	0.4	437	PASS
174	95	50	120	71.5	114426	PASS
175	174	4	9	7.7	8830	PASS
176	174	93	101	96.1	109928	PASS
177	176	5	9	6.6	7266	PASS

5W14132.D M3W1911.M Wed Oct 07 10:49:43 2015 MS3W

Average of 18.374 to 18.386 min.: 5W14132.D
BFB
Modified:subtracted

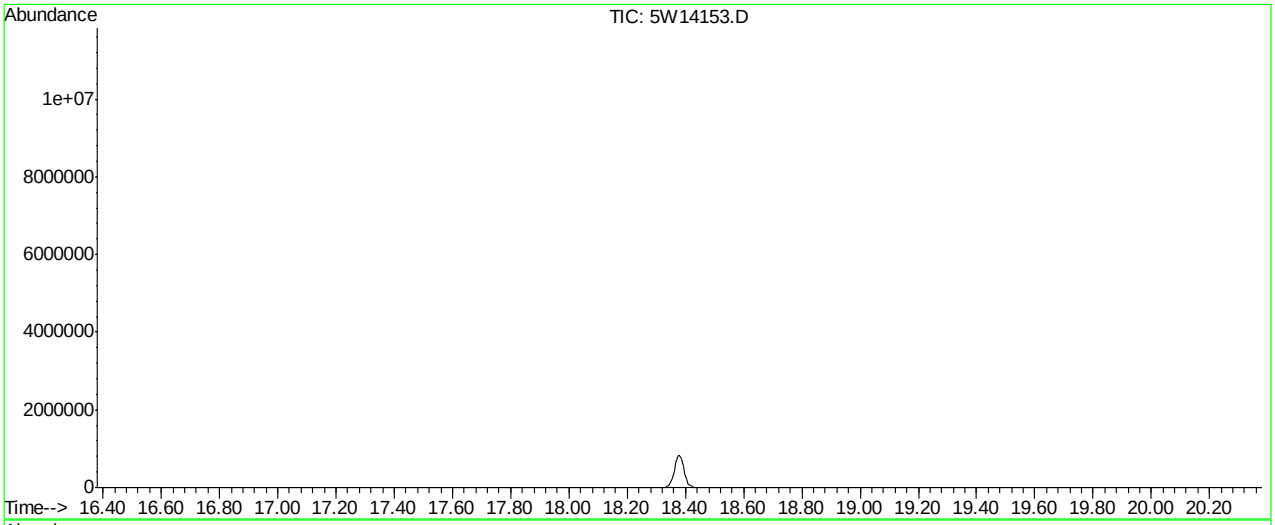
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1231	50.10	29584	64.05	475	77.00	1025
37.10	6948	51.10	9408	65.00	234	77.95	792
38.10	6282	52.00	397	67.00	403	78.90	4421
39.10	2676	55.00	432	68.00	16072	79.95	1305
40.00	104	56.00	2228	69.05	16106	80.95	4444
44.00	611	57.00	4052	70.00	1205	81.95	1050
45.05	1471	58.00	164	72.00	844	83.00	34
46.15	82	60.00	1396	73.00	6741	85.95	211
47.10	2510	61.00	6966	74.05	24666	87.00	8847
48.00	913	62.00	6680	75.10	75890	88.00	8442
49.05	6177	63.05	5038	76.05	6402	90.95	549

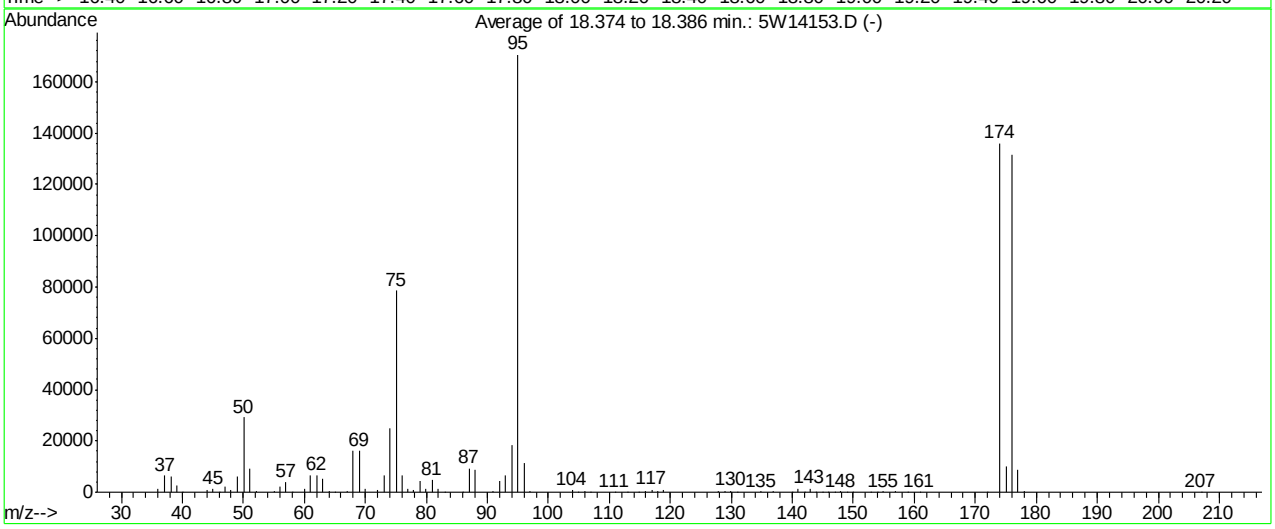
Average of 18.374 to 18.386 min.: 5W14132.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	4268	112.90	95	134.90	208	154.90	347
93.00	6173	114.90	146	136.90	230	156.90	256
94.00	17409	115.90	542	140.90	1238	158.90	138
95.00	160128	116.90	916	141.95	162	160.90	160
96.00	10635	117.90	509	142.90	1337	171.95	392
97.00	313	118.90	702	144.95	135	173.10	437
103.90	628	123.90	34	145.90	195	173.95	114426
104.95	226	127.90	481	147.90	344	175.00	8830
105.90	585	128.90	232	149.95	140	176.00	109928
106.95	156	129.90	480	152.90	33	176.95	7266
110.95	125	130.90	185	153.90	41	177.90	209

BFB

Data File : C:\MSDCHEM\1\DATA\OLDV3W\5W14153.D Vial: 1
Acq On : 5 Oct 2015 8:02 am Operator: YOUMINH
Sample : BFB Inst : GCMS5W
Misc : MS92139,v5w565,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Method : C:\MSDCHEM\1\METHODS\M3W1911.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 2368, 2369, 2370; Background Corrected with Scan 2357

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.1	29130	PASS
75	95	30	66	46.0	78557	PASS
95	95	100	100	100.0	170666	PASS
96	95	5	9	6.6	11331	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	79.7	136106	PASS
175	174	4	9	7.4	10115	PASS
176	174	93	101	96.7	131573	PASS
177	176	5	9	6.5	8612	PASS

5W14153.D M3W1911.M Wed Oct 07 10:49:50 2015 MS3W

Average of 18.374 to 18.386 min.: 5W14153.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1234	50.10	29130	64.05	487	77.00	1127
37.10	6552	51.10	9110	65.00	107	77.95	846
38.10	6021	52.05	380	67.00	403	78.90	4573
39.10	2477	55.00	400	68.00	16093	79.95	1408
40.00	138	56.00	2082	69.00	16161	80.95	4731
44.00	675	57.00	4035	70.00	1263	81.95	1118
45.05	1305	58.05	191	72.00	799	83.00	69
46.15	77	60.00	1360	73.05	6670	85.95	208
47.05	2419	61.05	6636	74.10	24824	87.00	9278
48.00	833	62.05	6726	75.10	78557	88.00	8832
49.10	6155	63.05	5085	76.10	6640	90.90	588

Average of 18.374 to 18.386 min.: 5W14153.D
BFB
Modified:subtracted

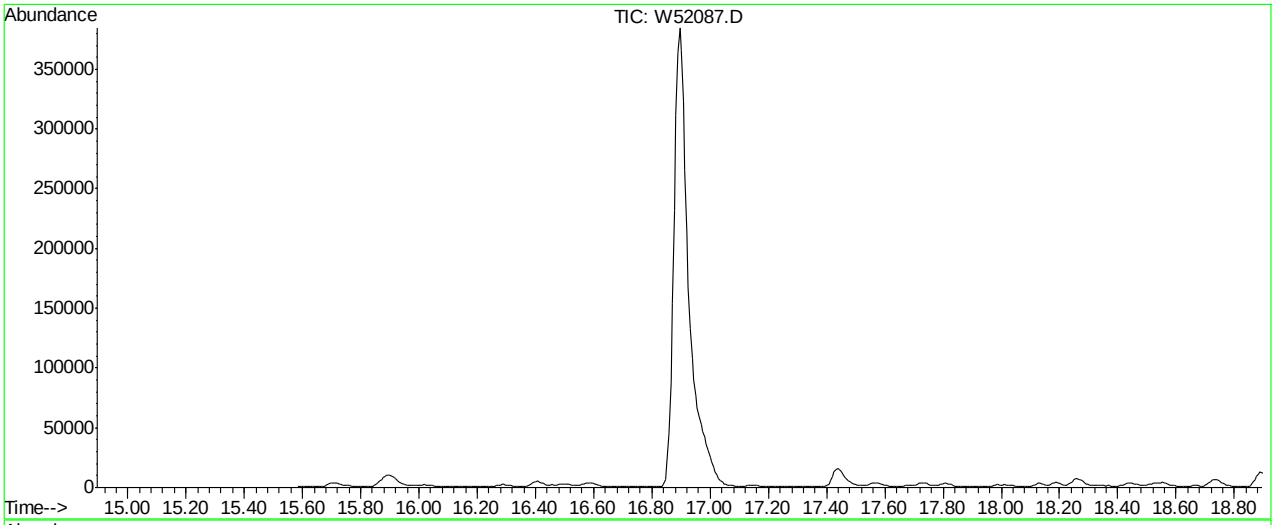
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	4199	112.90	113	136.90	248	149.85	164
93.00	6358	114.90	165	139.95	113	152.90	43
94.00	18261	115.90	570	140.90	1359	153.90	34
95.05	170666	116.95	908	141.95	158	154.95	382
96.00	11331	117.90	547	142.90	1412	156.90	287
97.00	324	118.90	821	143.90	34	158.85	195
103.95	674	127.90	517	144.90	158	160.90	171
104.90	209	128.90	259	145.90	211	171.95	237
105.95	658	129.90	588	146.95	71	174.00	136106
106.95	178	130.90	231	147.90	371	175.00	10115
110.90	104	134.90	260	149.00	40	176.00	131573

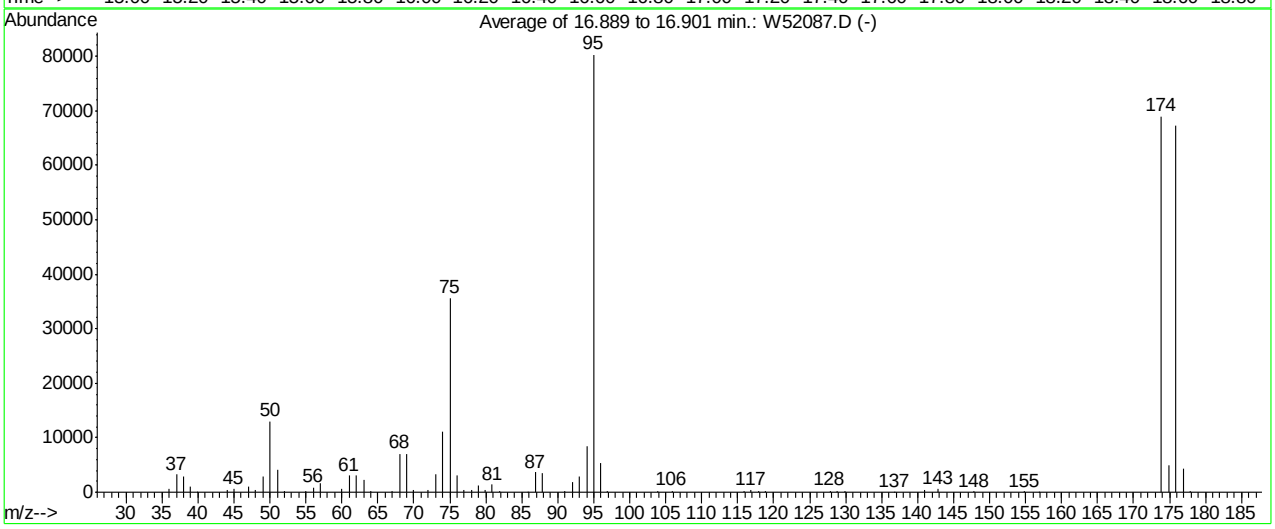
Average of 18.374 to 18.386 min.: 5W14153.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.95	8612						
177.95	253						
207.00	71						

BFB

Data File : C:\MSDCHEM\1\DATA\W52087.D Vial: 5
Acq On : 22 Oct 2015 10:14 am Operator: youminh
Sample : BFB Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um





AutoFind: Scans 215, 216, 217; Background Corrected with Scan 203

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.2	13008	PASS
75	95	30	66	44.4	35693	PASS
95	95	100	100	100.0	80341	PASS
96	95	5	9	6.7	5414	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	85.8	68952	PASS
175	174	4	9	7.1	4895	PASS
176	174	93	101	97.5	67224	PASS
177	176	5	9	6.6	4411	PASS

W52087.D MW2080.M Fri Oct 23 12:02:05 2015 MSW

Average of 16.889 to 16.901 min.: W52087.D
BFB
Modified:subtracted

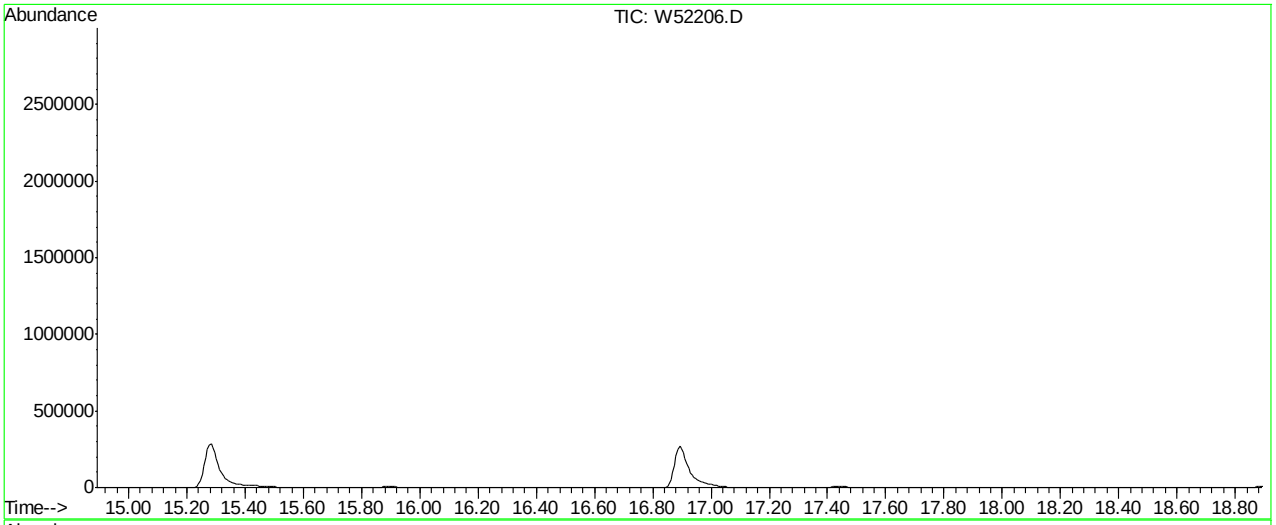
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	615	51.00	4134	68.00	7006	79.90	416
37.00	3261	52.00	176	69.00	7000	80.90	1346
38.00	2844	55.00	225	69.95	511	81.90	297
39.00	1098	56.00	932	71.95	398	85.85	71
39.90	39	57.00	1738	73.00	3208	86.90	3676
44.00	317	60.00	630	74.00	11180	87.90	3453
45.00	613	61.00	3025	75.00	35693	90.95	195
47.00	1108	62.00	3012	76.00	3138	92.00	1887
48.00	407	63.00	2195	76.95	431	93.00	2839
49.00	2830	64.00	201	77.95	327	94.00	8406
50.00	13008	67.00	198	78.90	1246	95.00	80341

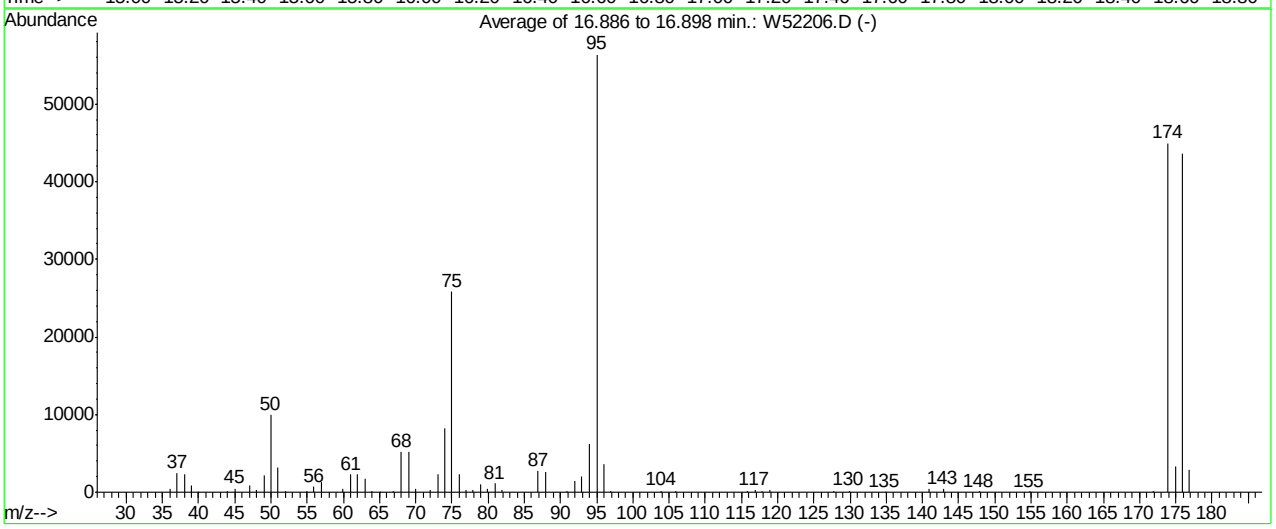
Average of 16.889 to 16.901 min.: W52087.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	5414	136.80	42				
96.95	200	140.90	497				
103.90	236	142.85	584				
105.85	257	147.85	160				
115.85	191	154.85	187				
116.85	330	156.80	83				
117.85	213	173.90	68952				
118.85	282	174.90	4895				
127.85	232	175.90	67224				
128.85	129	176.90	4411				
129.85	232	177.85	132				

BFB

Data File : C:\MSDCHEM\1\DATA\W52206.D Vial: 1
Acq On : 29 Oct 2015 9:08 am Operator: youminh
Sample : BFB Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um





AutoFind: Scans 1956, 1957, 1958; Background Corrected with Scan 1945

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.7	9961	PASS
75	95	30	66	45.8	25808	PASS
95	95	100	100	100.0	56378	PASS
96	95	5	9	6.5	3644	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	79.7	44957	PASS
175	174	4	9	7.2	3258	PASS
176	174	93	101	97.1	43640	PASS
177	176	5	9	6.8	2954	PASS

W52206.D MW2080.M Fri Oct 30 12:18:57 2015 MSW

Average of 16.886 to 16.898 min.: W52206.D
BFB
Modified:subtracted

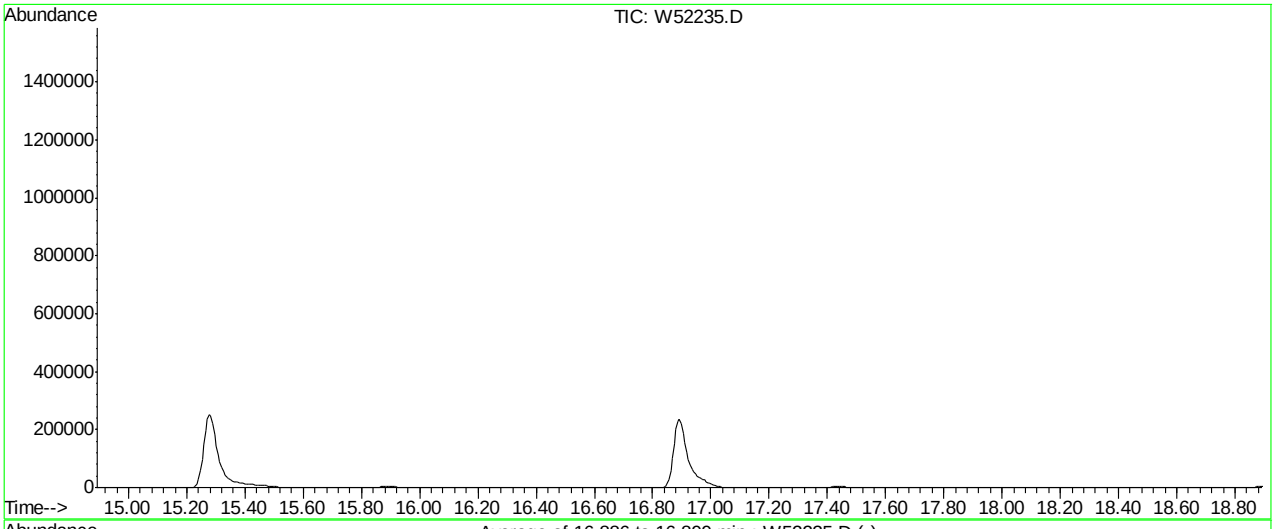
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	447	51.00	3180	66.95	136	78.90	1036
37.00	2474	52.00	122	68.00	5194	79.90	368
38.00	2250	55.00	198	69.00	5172	80.90	1117
39.00	878	55.95	706	70.00	390	81.90	291
39.90	46	57.00	1330	71.95	286	86.90	2689
44.00	221	59.95	476	73.00	2261	87.90	2554
45.00	449	61.00	2279	74.00	8230	90.85	126
47.00	854	62.00	2248	75.00	25808	91.95	1402
47.95	287	63.00	1723	76.00	2249	92.95	2047
49.00	2112	64.00	175	76.90	322	94.00	6209
50.00	9961	64.95	70	77.95	237	95.00	56378

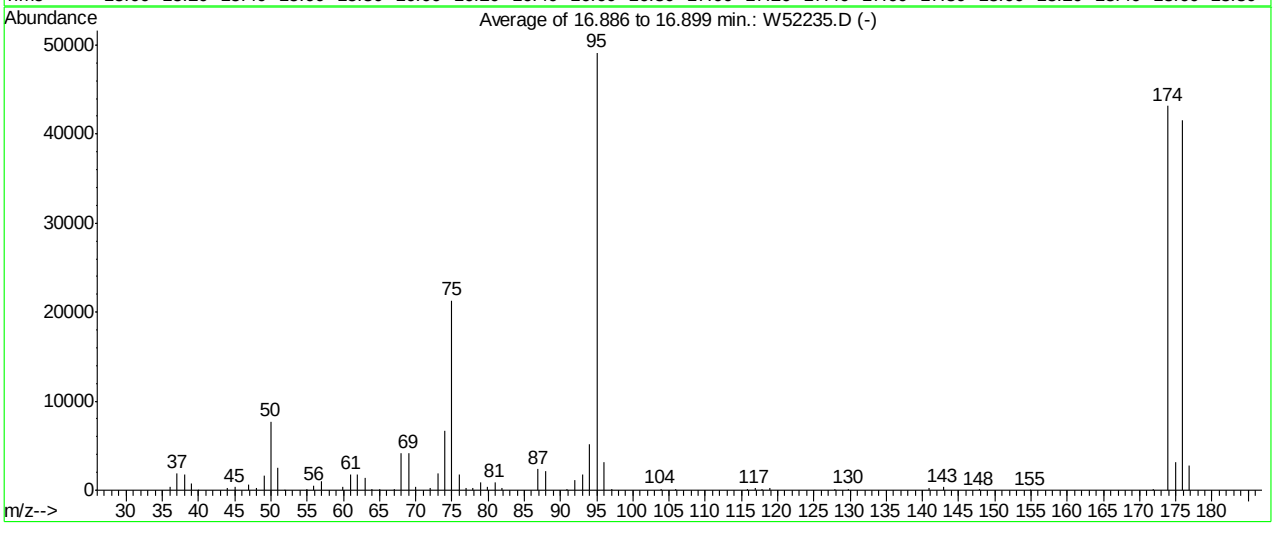
Average of 16.886 to 16.898 min.: W52206.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	3644	140.85	372				
96.95	142	142.85	415				
103.90	190	147.80	121				
105.85	173	154.80	82				
115.85	147	171.85	132				
116.85	262	173.90	44957				
117.85	161	174.90	3258				
118.85	234	175.90	43640				
127.80	169	176.90	2954				
129.85	170						
134.80	34						

BFB

Data File : C:\MSDCHEM\1\DATA\W52235.D Vial: 1
Acq On : 30 Oct 2015 8:42 am Operator: youminh
Sample : BFB Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um





AutoFind: Scans 1956, 1957, 1958; Background Corrected with Scan 1944

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.6	7692	PASS
75	95	30	66	43.4	21322	PASS
95	95	100	100	100.0	49168	PASS
96	95	5	9	6.4	3171	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	87.8	43170	PASS
175	174	4	9	7.4	3183	PASS
176	174	93	101	96.3	41554	PASS
177	176	5	9	6.6	2727	PASS

W52235.D MW2080.M Mon Nov 02 11:06:06 2015 MSW

Average of 16.886 to 16.899 min.: W52235.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	337	51.00	2525	67.00	138	78.90	912
37.00	1939	51.90	39	68.00	4167	79.90	345
38.00	1710	55.00	121	69.00	4199	80.90	915
39.00	720	55.95	571	70.00	329	81.85	257
39.90	18	57.00	1064	72.00	218	86.90	2384
43.95	230	59.95	378	73.00	1865	87.90	2187
45.00	370	61.00	1821	74.00	6676	90.90	135
46.95	684	62.00	1818	75.00	21322	91.95	1089
48.00	239	63.00	1362	76.00	1829	93.00	1749
49.00	1633	63.95	153	76.95	301	94.00	5123
50.00	7692	65.00	121	77.85	194	95.00	49168

Average of 16.886 to 16.899 min.: W52235.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	3171	142.85	360				
97.00	119	147.80	75				
103.85	167	154.90	49				
105.90	145	171.85	193				
115.85	129	173.90	43170				
116.85	241	174.90	3183				
117.85	138	175.90	41554				
118.85	202	176.90	2727				
127.85	136						
129.80	152						
140.90	303						

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50751.D Vial: 1
Acq On : 31 Oct 2015 12:48 am Operator: YOUMINH
Sample : ICC1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:32 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.14	128	128821	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.71	114	639935	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.83	82	315760	10.00	PPBV	0.00

System Monitoring Compounds

86) 4-BROMOFLUOROBENZENE	14.46	95	350295	10.00	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 100.00%

Target Compounds						Qvalue
4) FREON 152A	4.25	65	121104	10.00	PPBV	100
5) CHLORODIFLUOROMETHANE	4.27	67	43786	10.00	PPBV	100
6) DICHLORODIFLUOROMETHANE	4.33	85	426288	10.00	PPBV	100
7) PROPYLENE	4.29	41	160715	10.00	PPBV	100
9) FREON 114	4.46	85	489540	10.00	PPBV	100
10) CHLOROMETHANE	4.42	50	220479	10.00	PPBV	100
11) VINYL CHLORIDE	4.53	62	214663	10.00	PPBV	100
12) 1,3-BUTADIENE	4.60	54	158422	10.00	PPBV	100
13) n-BUTANE	4.61	43	316481	10.00	PPBV #	100
14) BROMOMETHANE	4.75	94	185466	10.00	PPBV	100
15) CHLOROETHANE	4.83	64	105578	10.00	PPBV	100
16) DICHLOROFLUOROMETHANE	4.88	67	413002	10.00	PPBV	100
17) ACETONITRILE	5.05	41	146856	10.00	PPBV	100
18) FREON 123	5.08	83	470048	10.00	PPBV	100
19) FREON 123A	5.11	117	241888	10.00	PPBV	100
20) TRICHLOROFLUOROMETHANE	5.23	101	415276	10.00	PPBV	100
22) ISOPROPYL ALCOHOL	5.31	45	386062	10.00	PPBV	100
23) ACETONE	5.16	58	91325	10.00	PPBV	100
24) PENTANE	5.40	42	210260	10.00	PPBV	100
25) TVHC as EQUIV PENTANE	5.40	TIC	1143801m	9.87	PPBV	
26) IODOMETHANE	5.56	142	489583	10.00	PPBV	100
27) 1,1-DICHLOROETHYLENE	5.60	96	182354	10.00	PPBV	100
28) CARBON DISULFIDE	5.86	76	551366	10.00	PPBV	100
29) ETHANOL	4.93	45	88823	10.00	PPBV	100
30) BROMOETHENE	5.02	106	185509	10.00	PPBV	100
31) ACRYLONITRILE	5.43	52	117122	10.00	PPBV	100
32) METHYLENE CHLORIDE	5.68	84	163595	10.00	PPBV	100
33) 3-CHLOROPROPENE	5.74	76	87797	10.00	PPBV	100
34) FREON 113	5.81	151	295433	10.00	PPBV	100
35) TRANS-1,2-DICHLOROETHYLENE	6.24	96	168847	10.00	PPBV	100
36) TERTIARY BUTYL ALCOHOL	5.65	59	456388	10.00	PPBV	100
37) METHYL TERTIARY BUTYL ETHE	6.41	73	507341	10.00	PPBV	100
38) TETRAHYDROFURAN	7.54	72	94304	10.00	PPBV	100
39) HEXANE	7.07	57	307801	10.00	PPBV	100
40) VINYL ACETATE	6.50	86	38098	10.00	PPBV	100
41) 1,1-DICHLOROETHANE	6.40	63	368118	10.00	PPBV	100
42) METHYL ETHYL KETONE	6.67	72	90502	10.00	PPBV	100
43) cis-1,2-DICHLOROETHYLENE	7.03	96	184916	10.00	PPBV	100
44) DIISOPROPYL ETHER	7.09	59	73430	10.00	PPBV	100
45) ETHYL ACETATE	7.16	61	66701	10.00	PPBV	100
46) METHYL ACRYLATE	7.17	55	319547	10.00	PPBV #	100
47) CHLOROFORM	7.22	83	369202	10.00	PPBV	100
48) 2,4-DIMETHYLPENTANE	7.75	57	381068	10.00	PPBV	100
49) 1,1,1-TRICHLOROETHANE	7.99	97	365945	10.00	PPBV	100
50) CARBON TETRACHLORIDE	8.51	117	367864	10.00	PPBV	100
51) 1,2-DICHLOROETHANE	7.79	62	210391	10.00	PPBV	100
53) BENZENE	8.39	78	585036	10.00	PPBV	100
54) CYCLOHEXANE	8.55	84	303999	10.00	PPBV	100
55) 2,3-DIMETHYLPENTANE	8.73	71	137413	10.00	PPBV	100

(#) = qualifier out of range (m) = manual integration
3W50751.D M3W1928.M Tue Nov 03 17:16:09 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50751.D Vial: 1
Acq On : 31 Oct 2015 12:48 am Operator: YOUMINH
Sample : ICC1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:32 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	TRICHLOROETHYLENE	9.30	95	230423	10.00	PPBV	100
57)	1,2-DICHLOROPROPANE	9.07	63	233005	10.00	PPBV	100
58)	DIBROMOMETHANE	9.09	174	208818	10.00	PPBV	100
59)	ETHYL ACRYLATE	9.12	55	395959	10.00	PPBV	100
60)	BROMODICHLOROMETHANE	9.28	83	392774	10.00	PPBV	100
61)	2,2,4-TRIMETHYLPENTANE	9.24	57	990753	10.00	PPBV	100
62)	1,4-DIOXANE	9.37	88	128654	10.00	PPBV	100
63)	HEPTANE	9.49	43	365711	10.00	PPBV	100
64)	TVHC as EQUIV HEPTANE	9.49	TIC	2348933m	9.94	PPBV	
65)	METHYL METHACRYLATE	9.52	69	202879	10.00	PPBV	100
66)	METHYL ISOBUTYL KETONE	10.13	58	175203	10.00	PPBV	100
67)	cis-1,3-DICHLOROPROPENE	10.12	75	327864	10.00	PPBV	100
68)	TOLUENE	11.03	92	390862	10.00	PPBV	100
69)	trans-1,3-DICHLOROPROPENE	10.62	75	250411	10.00	PPBV	100
70)	1,1,2-TRICHLOROETHANE	10.78	83	201260	10.00	PPBV	100
72)	2-HEXANONE	11.31	58	229202	10.00	PPBV	100
73)	ETHYL METHACRYLATE	11.34	69	326631	10.00	PPBV	100
74)	TETRACHLOROETHYLENE	12.15	164	250682	10.00	PPBV	100
75)	DIBROMOCHLOROMETHANE	11.47	129	380325	10.00	PPBV	100
76)	1,2-DIBROMOETHANE	11.67	107	308405	10.00	PPBV	100
77)	OCTANE	11.96	43	476508	10.00	PPBV	100
78)	1,1,1,2-TETRACHLOROETHANE	12.86	131	285504	10.00	PPBV	100
79)	CHLOROBENZENE	12.88	112	486964	10.00	PPBV	100
80)	ETHYLBENZENE	13.25	91	815001	10.00	PPBV	100
81)	m,p-XYLENE	13.44	106	619537	20.00	PPBV	100
82)	o-XYLENE	13.95	106	299378	10.00	PPBV	100
83)	STYRENE	13.85	104	435361	10.00	PPBV	100
84)	NONANE	14.16	43	467519	10.00	PPBV	100
85)	BROMOFORM	13.53	173	384089	10.00	PPBV	100
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	480932	10.00	PPBV	100
88)	1,2,3-TRICHLOROPROPANE	14.09	75	357755	10.00	PPBV	100
89)	ISOPROPYLBENZENE	14.60	105	877732	10.00	PPBV	100
90)	BROMOBENZENE	14.70	77	403618	10.00	PPBV	100
91)	2-CHLOROTOLUENE	15.14	126	213101	10.00	PPBV	100
92)	n-PROPYLBENZENE	15.19	120	222821	10.00	PPBV	100
93)	4-ETHYLTOLUENE	15.36	105	761633	10.00	PPBV	100
94)	1,3,5-TRIMETHYLBENZENE	15.46	105	672096	10.00	PPBV	100
95)	ALPHA-METHYLSTYRENE	15.67	118	322571	10.00	PPBV	100
96)	tert-BUTYLBENZENE	15.95	134	154815	10.00	PPBV	100
97)	1,2,4-TRIMETHYLBENZENE	15.95	105	640430	10.00	PPBV	100
98)	m-DICHLOROBENZENE	16.15	146	371566	10.00	PPBV	100
99)	BENZYL CHLORIDE	16.15	91	460052	10.00	PPBV	100
100)	p-DICHLOROBENZENE	16.24	146	369576	10.00	PPBV	100
101)	sec-BUTYLBENZENE	16.29	134	181869	10.00	PPBV	100
102)	p-ISOPROPYLTOLUENE	16.50	134	194168	10.00	PPBV	100
103)	o-DICHLOROBENZENE	16.67	146	359582	10.00	PPBV	100
104)	n-BUTYLBENZENE	17.02	134	149703	10.00	PPBV	100
105)	HEXACHLOROETHANE	17.50	117	292894	10.00	PPBV	100
106)	HEXACHLOROBUTADIENE	19.35	225	196371	10.00	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.78	180	109572	10.00	PPBV	100
108)	NAPHTHALENE	18.92	128	221732	10.00	PPBV	100

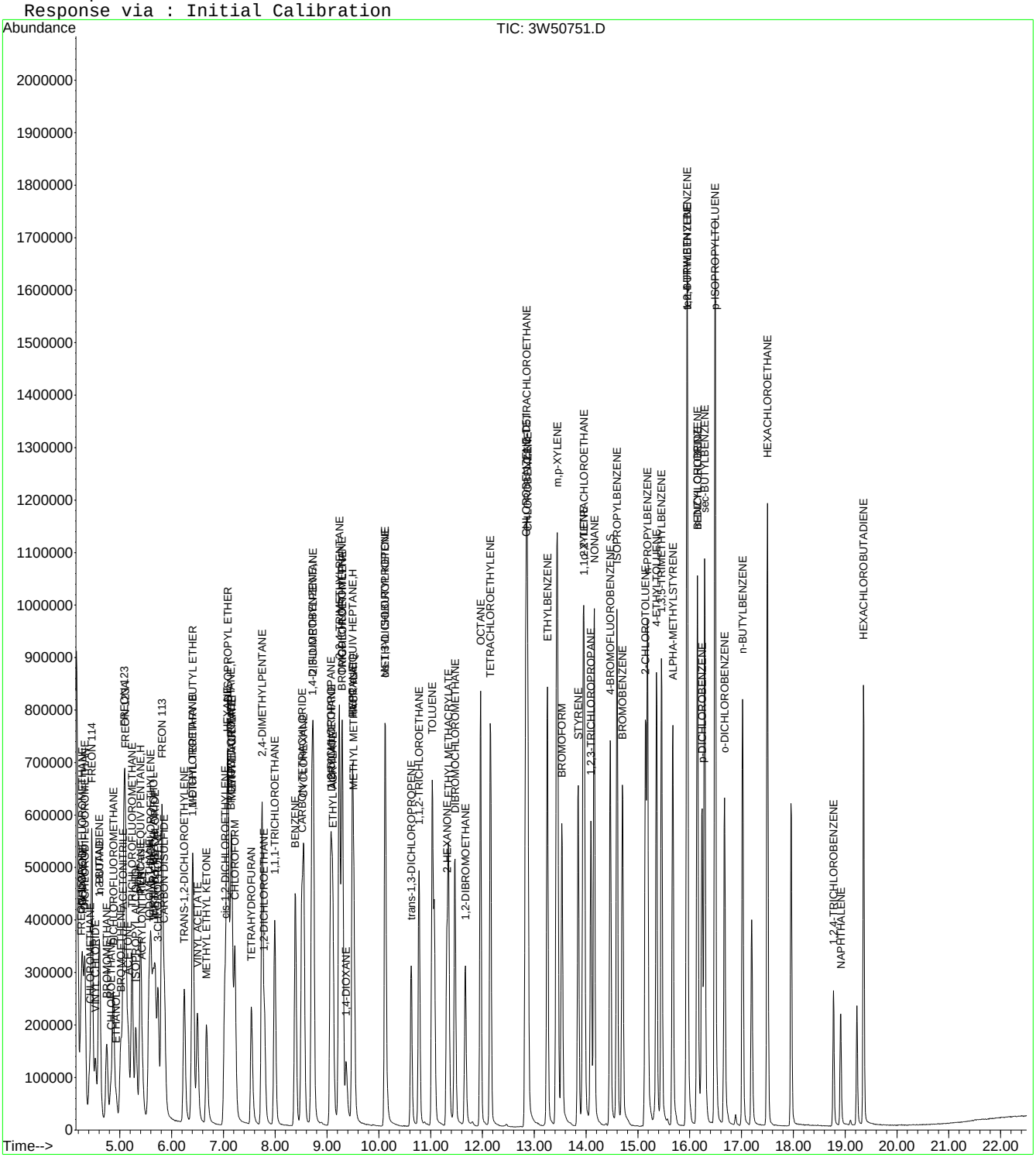
(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50751.D M3W1928.M Tue Nov 03 17:16:09 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50751.D
Acq On : 31 Oct 2015 12:48 am
Sample : ICC1928-10
Misc : MS93360,V3W1928,,,,,1
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:35 2015

Vial: 1
Operator: YOUMINH
Inst : MS3W
Multiplr: 1.00
Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

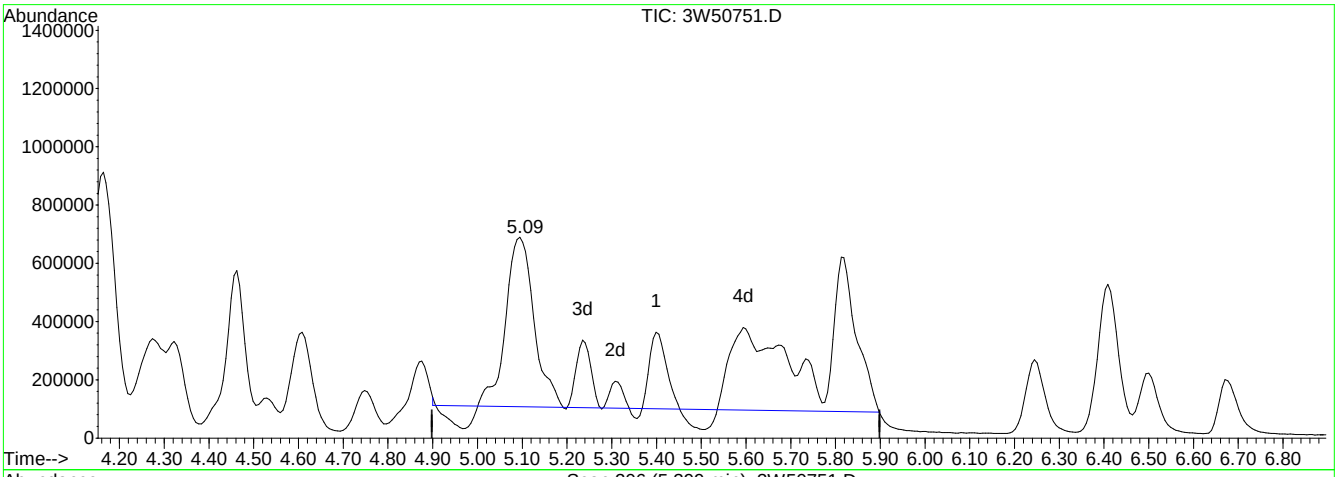


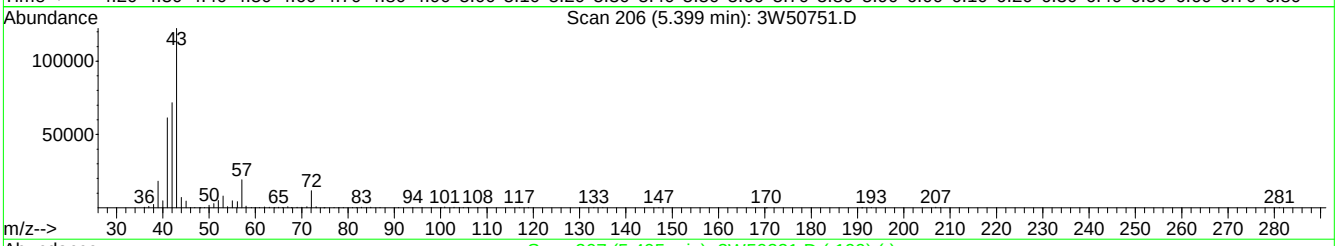
ACCUTEST LABORATORIES JC7272

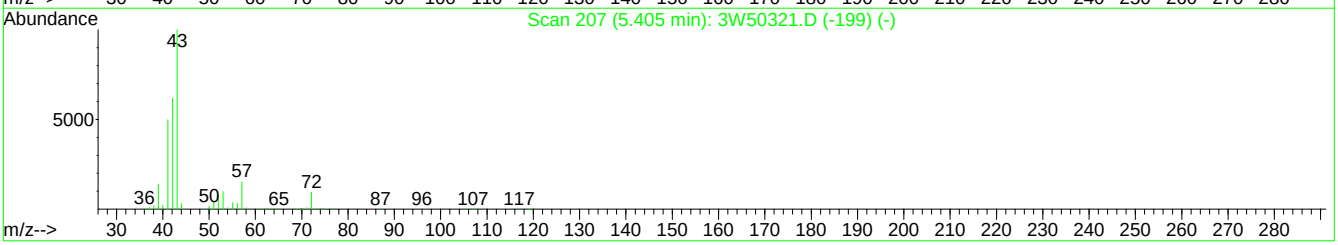
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50751.D Vial: 1
Acq On : 31 Oct 2015 12:48 am Operator: YOUMINH
Sample : ICC1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:33 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50751.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 91.86PPBV m

response 10645415

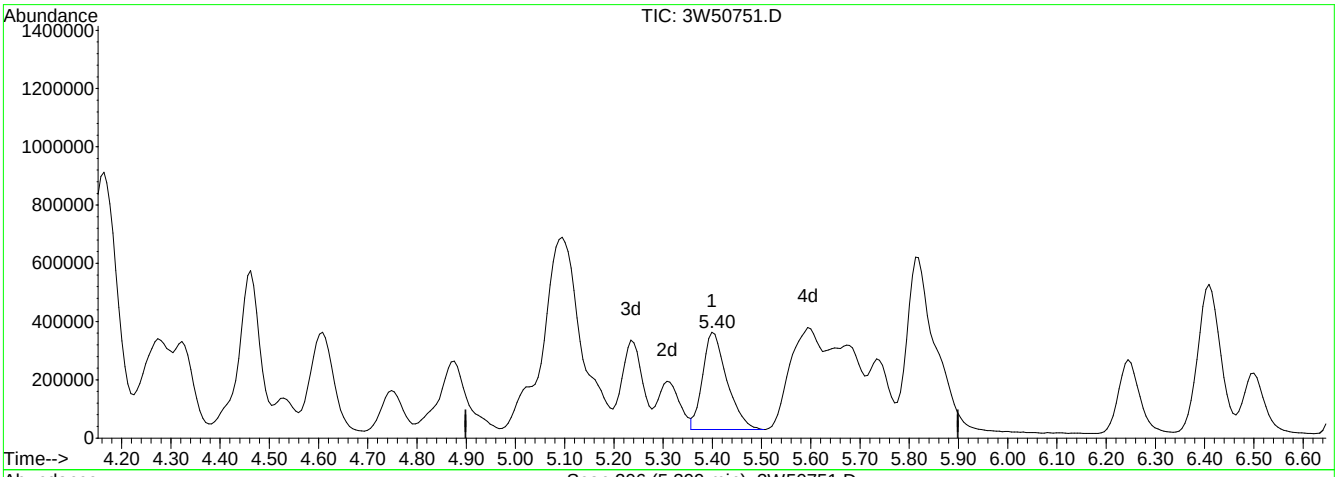
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.25#
0.00	2.00	0.22#
0.00	0.00	0.00

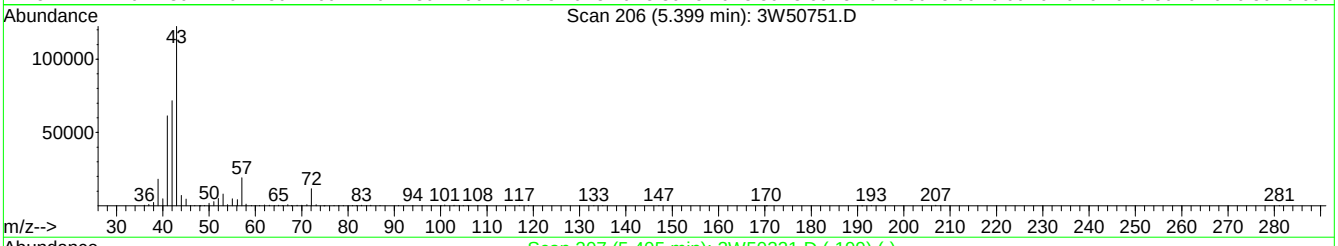
3W50751.D M3W1928.M Mon Nov 02 09:33:49 2015 MS3W

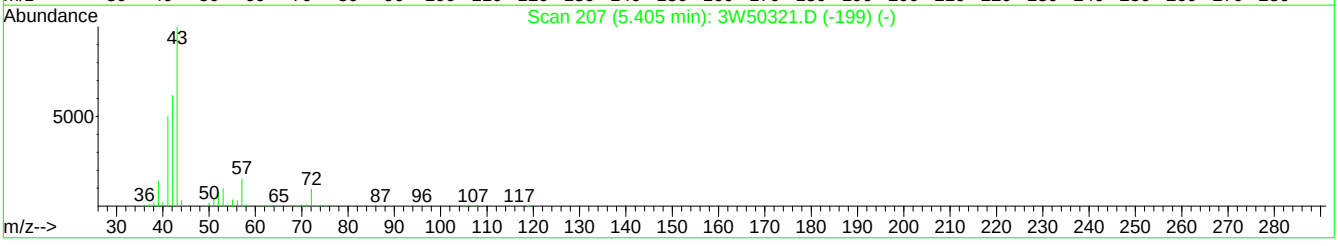
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50751.D Vial: 1
Acq On : 31 Oct 2015 12:48 am Operator: YOUMINH
Sample : ICC1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:33 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50751.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 9.87PPBV m

response 1143801

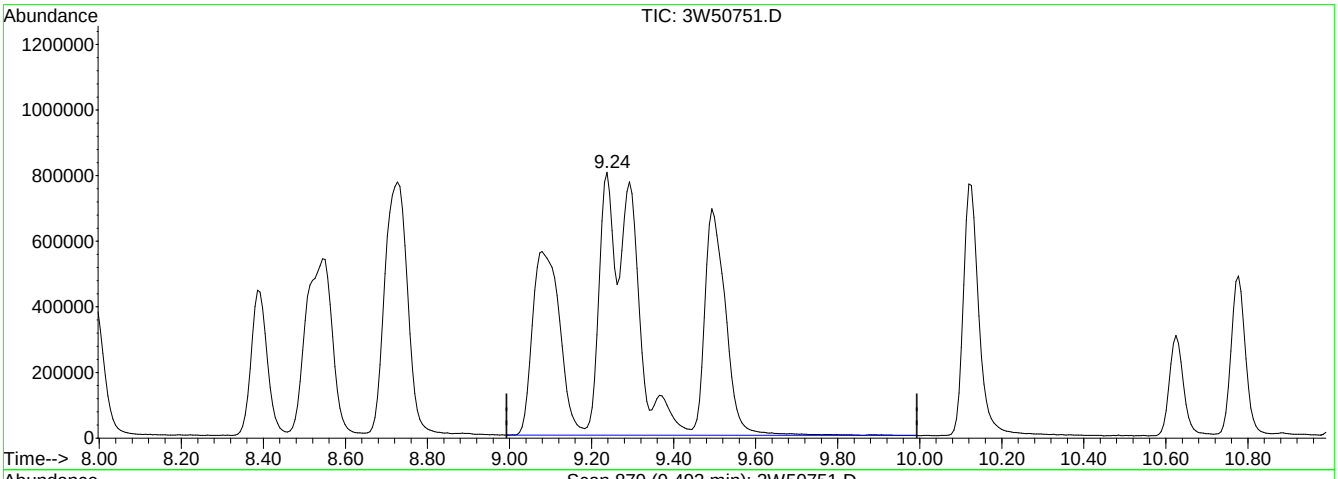
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	2.33#
0.00	2.00	2.04#
0.00	0.00	0.00

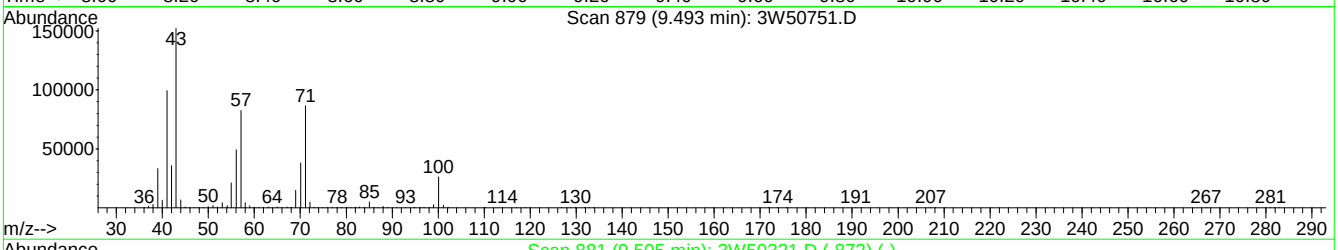
3W50751.D M3W1928.M Mon Nov 02 09:34:47 2015 MS3W

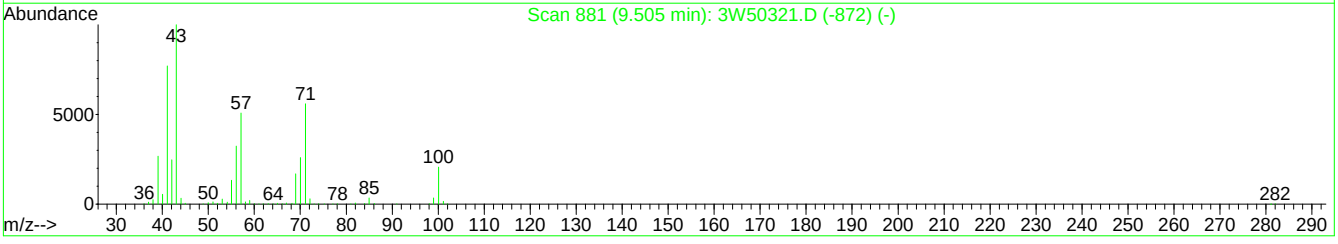
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50751.D Vial: 1
Acq On : 31 Oct 2015 12:48 am Operator: YOUMINH
Sample : ICC1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:33 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50751.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 30.42PPBV m

response 7189948

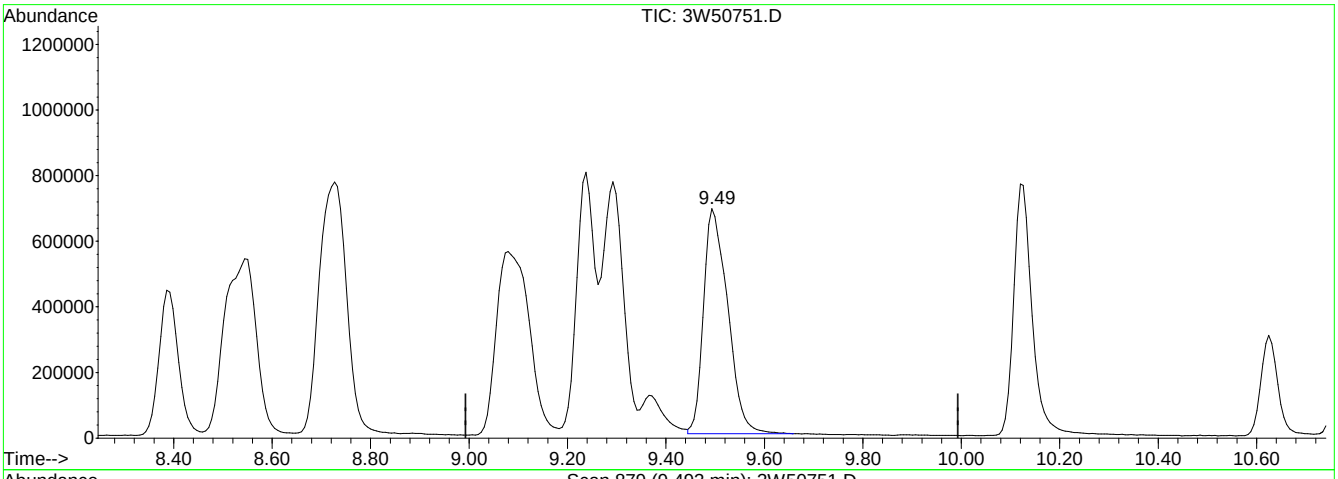
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.37#
0.00	1.00	0.32#
0.00	0.00	0.00

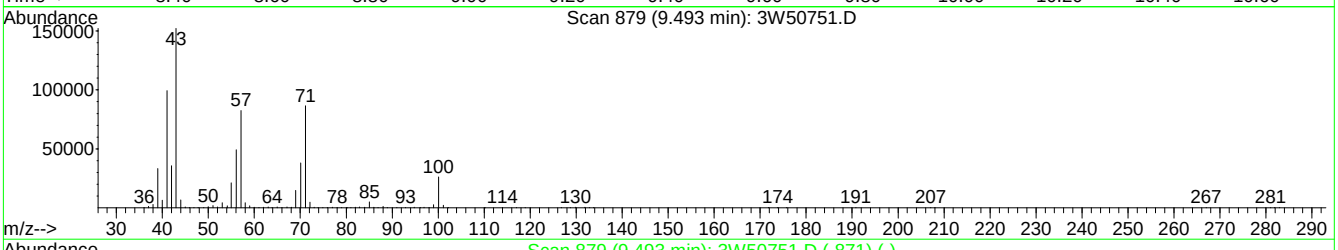
3W50751.D M3W1928.M Mon Nov 02 09:35:19 2015 MS3W

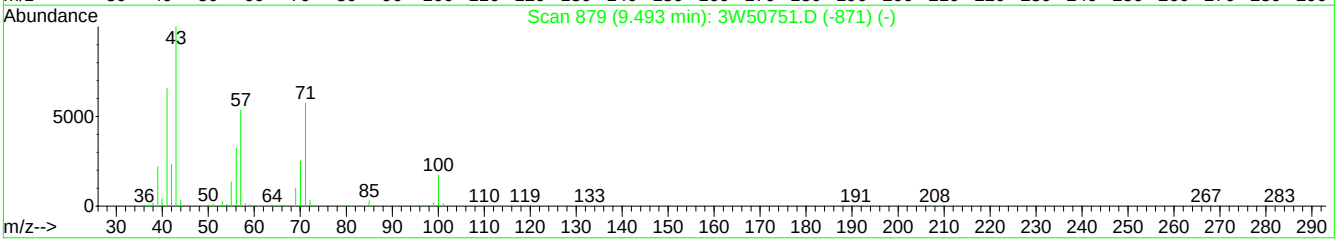
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50751.D Vial: 1
Acq On : 31 Oct 2015 12:48 am Operator: YOUMINH
Sample : ICC1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:35 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50751.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 9.94PPBV m

response 2348933

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.13#
0.00	1.00	0.99#
0.00	0.00	0.00

3W50751.D M3W1928.M Mon Nov 02 15:55:11 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50752.D Vial: 1
Acq On : 31 Oct 2015 1:29 am Operator: YOUMINH
Sample : IC1928-5 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:35 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	136612	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	656877	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.83	82	308381	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.46	95	344834	10.08	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery =	100.80%		
Target Compounds						Qvalue
4) FREON 152A	4.25	65	68218	5.31	PPBV	100
5) CHLORODIFLUOROMETHANE	4.27	67	24381	5.25	PPBV	99
6) DICHLORODIFLUOROMETHANE	4.33	85	242291	5.36	PPBV	97
7) PROPYLENE	4.29	41	88720	5.21	PPBV	98
9) FREON 114	4.46	85	273067	5.26	PPBV	99
10) CHLOROMETHANE	4.42	50	120046	5.13	PPBV	100
11) VINYL CHLORIDE	4.53	62	120075	5.27	PPBV	100
12) 1,3-BUTADIENE	4.60	54	86996	5.18	PPBV	99
13) n-BUTANE	4.61	43	175550	5.23	PPBV	100
14) BROMOMETHANE	4.75	94	103724	5.27	PPBV	97
15) CHLOROETHANE	4.83	64	59797	5.34	PPBV	99
16) DICHLOROFLUOROMETHANE	4.88	67	236065	5.39	PPBV	99
17) ACETONITRILE	5.05	41	80892	5.19	PPBV	100
18) FREON 123	5.08	83	266320	5.34	PPBV	100
19) FREON 123A	5.11	117	137134	5.35	PPBV	99
20) TRICHLOROFLUOROMETHANE	5.23	101	236065	5.36	PPBV	98
22) ISOPROPYL ALCOHOL	5.31	45	208511	5.09	PPBV	99
23) ACETONE	5.17	58	49496	5.11	PPBV	100
24) PENTANE	5.40	42	117964	5.29	PPBV	99
25) TVHC as EQUIV PENTANE	5.40	TIC	620555m	5.05	PPBV	
26) IODOMETHANE	5.56	142	277302	5.34	PPBV	100
27) 1,1-DICHLOROETHYLENE	5.61	96	103099	5.33	PPBV	99
28) CARBON DISULFIDE	5.86	76	310458	5.31	PPBV	98
29) ETHANOL	4.93	45	50118	5.32	PPBV	100
30) BROMOETHENE	5.02	106	104156	5.29	PPBV	99
31) ACRYLONITRILE	5.44	52	62080	5.00	PPBV	95
32) METHYLENE CHLORIDE	5.68	84	91971	5.30	PPBV	88
33) 3-CHLOROPROPENE	5.74	76	48668	5.23	PPBV	99
34) FREON 113	5.81	151	167031	5.33	PPBV	100
35) TRANS-1,2-DICHLOROETHYLENE	6.25	96	93819	5.24	PPBV	99
36) TERTIARY BUTYL ALCOHOL	5.65	59	249039	5.15	PPBV	99
37) METHYL TERTIARY BUTYL ETHE	6.42	73	278203	5.17	PPBV	99
38) TETRAHYDROFURAN	7.55	72	50957	5.10	PPBV	99
39) HEXANE	7.07	57	167925	5.14	PPBV	99
40) VINYL ACETATE	6.49	86	20738	5.13	PPBV #	92
41) 1,1-DICHLOROETHANE	6.39	63	207210	5.31	PPBV	99
42) METHYL ETHYL KETONE	6.68	72	47023	4.90	PPBV #	92
43) cis-1,2-DICHLOROETHYLENE	7.02	96	99524	5.08	PPBV	99
44) DIISOPROPYL ETHER	7.09	59	37054	4.76	PPBV #	83
45) ETHYL ACETATE	7.16	61	37570	5.31	PPBV #	92
46) METHYL ACRYLATE	7.17	55	168086	4.96	PPBV #	100
47) CHLOROFORM	7.22	83	203157	5.19	PPBV	100
48) 2,4-DIMETHYLPENTANE	7.75	57	212688	5.26	PPBV	98
49) 1,1,1-TRICHLOROETHANE	7.99	97	202359	5.21	PPBV	99
50) CARBON TETRACHLORIDE	8.51	117	206036	5.28	PPBV	100
51) 1,2-DICHLOROETHANE	7.79	62	114627	5.14	PPBV	100
53) BENZENE	8.39	78	322579	5.37	PPBV	100
54) CYCLOHEXANE	8.55	84	169286	5.43	PPBV	100
55) 2,3-DIMETHYLPENTANE	8.73	71	75710	5.37	PPBV	97

(#) = qualifier out of range (m) = manual integration
3W50752.D M3W1928.M Tue Nov 03 17:17:03 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50752.D Vial: 1
Acq On : 31 Oct 2015 1:29 am Operator: YOUMINH
Sample : IC1928-5 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:35 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	TRICHLOROETHYLENE	9.30	95	121720	5.15	PPBV	99
57)	1,2-DICHLOROPROPANE	9.07	63	127366	5.33	PPBV	99
58)	DIBROMOMETHANE	9.09	174	114202	5.33	PPBV	98
59)	ETHYL ACRYLATE	9.12	55	204067	5.02	PPBV	100
60)	BROMODICHLOROMETHANE	9.28	83	213992	5.31	PPBV	99
61)	2,2,4-TRIMETHYLPENTANE	9.23	57	540818	5.32	PPBV	100
62)	1,4-DIOXANE	9.38	88	67705	5.13	PPBV	98
63)	HEPTANE	9.49	43	195010	5.19	PPBV	99
64)	TVHC as EQUIV HEPTANE	9.49	TIC	1255347m	5.17	PPBV	
65)	METHYL METHACRYLATE	9.52	69	108660	5.22	PPBV	97
66)	METHYL ISOBUTYL KETONE	10.13	58	90350	5.02	PPBV	96
67)	cis-1,3-DICHLOROPROPENE	10.12	75	174860	5.20	PPBV	99
68)	TOLUENE	11.03	92	208927	5.21	PPBV	99
69)	trans-1,3-DICHLOROPROPENE	10.62	75	126200	4.91	PPBV	99
70)	1,1,2-TRICHLOROETHANE	10.77	83	108548	5.25	PPBV	98
72)	2-HEXANONE	11.31	58	116071	5.19	PPBV	99
73)	ETHYL METHACRYLATE	11.35	69	166340	5.21	PPBV	98
74)	TETRACHLOROETHYLENE	12.15	164	133871	5.47	PPBV	100
75)	DIBROMOCHLOROMETHANE	11.46	129	202118	5.44	PPBV	99
76)	1,2-DIBROMOETHANE	11.66	107	161015	5.35	PPBV	98
77)	OCTANE	11.96	43	249363	5.36	PPBV	99
78)	1,1,1,2-TETRACHLOROETHANE	12.85	131	151120	5.42	PPBV	99
79)	CHLOROBENZENE	12.88	112	253158	5.32	PPBV	99
80)	ETHYLBENZENE	13.25	91	427816	5.37	PPBV	99
81)	m,p-XYLENE	13.44	106	321494	10.63	PPBV	97
82)	o-XYLENE	13.94	106	156776	5.36	PPBV	99
83)	STYRENE	13.85	104	221580	5.21	PPBV	100
84)	NONANE	14.15	43	239388	5.24	PPBV	100
85)	BROMOFORM	13.53	173	199830	5.33	PPBV	100
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	252472	5.38	PPBV	100
88)	1,2,3-TRICHLOROPROPANE	14.09	75	185991	5.32	PPBV	100
89)	ISOPROPYLBENZENE	14.59	105	464607	5.42	PPBV	99
90)	BROMOBENZENE	14.70	77	207455	5.26	PPBV	99
91)	2-CHLOROTOLUENE	15.14	126	111096	5.34	PPBV	98
92)	n-PROPYLBENZENE	15.18	120	114367	5.26	PPBV	99
93)	4-ETHYLTOLUENE	15.36	105	387988	5.22	PPBV	99
94)	1,3,5-TRIMETHYLBENZENE	15.46	105	352162	5.37	PPBV	99
95)	ALPHA-METHYLSTYRENE	15.67	118	161366	5.12	PPBV	100
96)	tert-BUTYLBENZENE	15.94	134	78725	5.21	PPBV	97
97)	1,2,4-TRIMETHYLBENZENE	15.95	105	323942	5.18	PPBV	98
98)	m-DICHLOROBENZENE	16.14	146	177815	4.90	PPBV	99
99)	BENZYL CHLORIDE	16.15	91	210738	4.69	PPBV	99
100)	p-DICHLOROBENZENE	16.23	146	182331	5.05	PPBV	99
101)	sec-BUTYLBENZENE	16.29	134	91563	5.16	PPBV	97
102)	p-ISOPROPYLTOLUENE	16.49	134	96230	5.07	PPBV	99
103)	o-DICHLOROBENZENE	16.67	146	181772	5.18	PPBV	99
104)	n-BUTYLBENZENE	17.02	134	70497	4.82	PPBV	98
105)	HEXACHLOROETHANE	17.50	117	155060	5.42	PPBV	99
106)	HEXACHLOROBUTADIENE	19.35	225	90623	4.73	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.78	180	49237	4.60	PPBV	97
108)	NAPHTHALENE	18.92	128	99856	4.61	PPBV	99

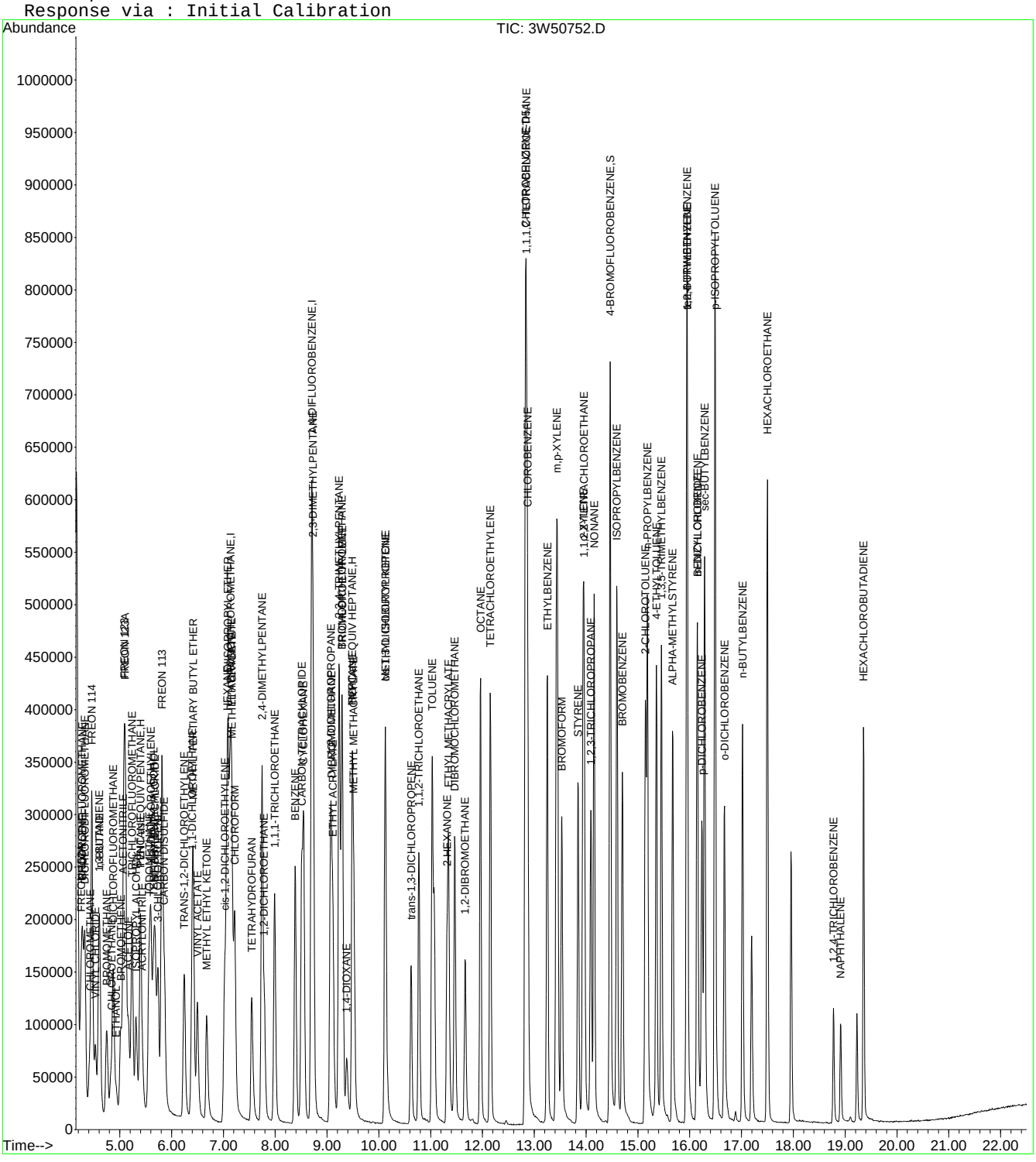
(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50752.D M3W1928.M Tue Nov 03 17:17:04 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50752.D
Acq On : 31 Oct 2015 1:29 am
Sample : IC1928-5
Misc : MS93360,V3W1928,,,,,1
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:03 2015

Vial: 1
Operator: YOUMINH
Inst : MS3W
Multiplr: 1.00
Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

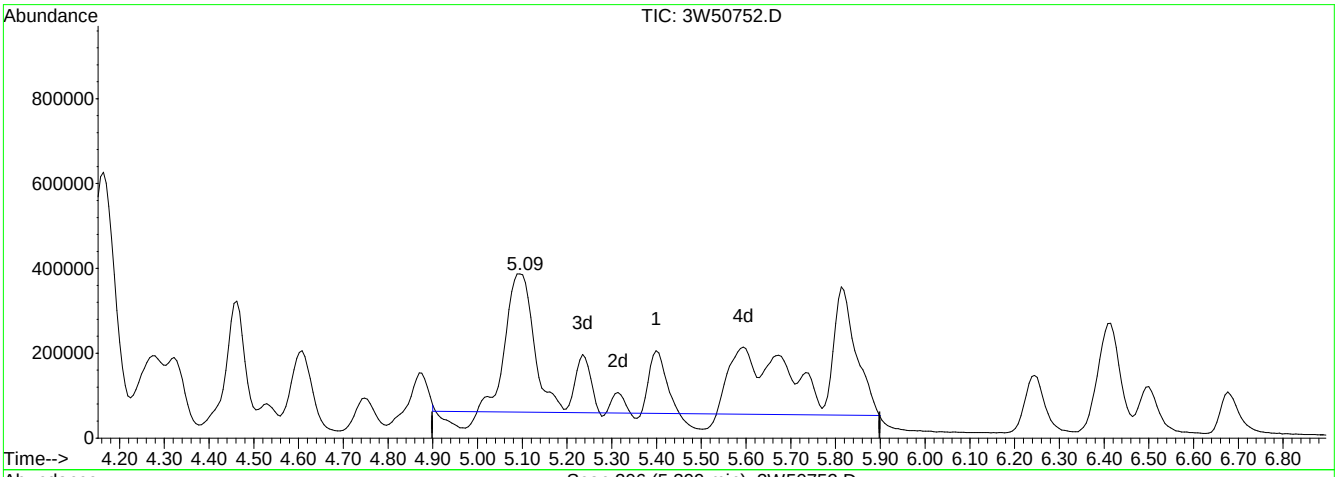


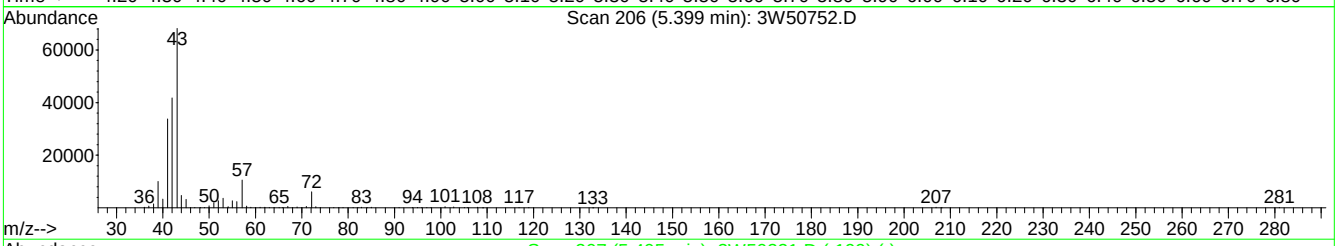
ACCUTEST LABORATORIES JC7272

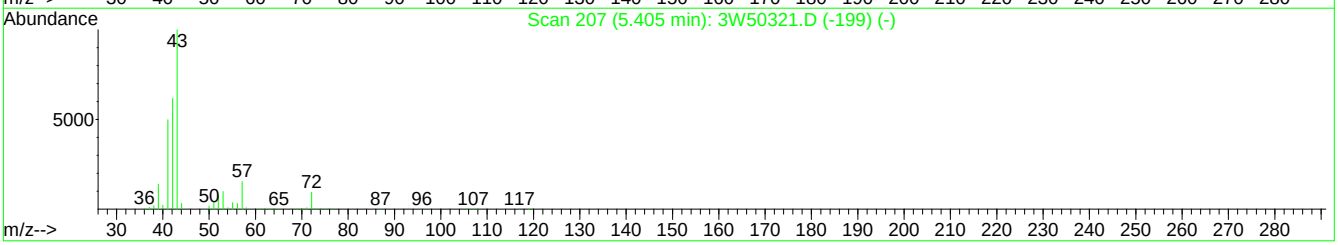
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50752.D Vial: 1
Acq On : 31 Oct 2015 1:29 am Operator: YOUMINH
Sample : IC1928-5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:32 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50752.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 48.02PPBV m

response 5901892

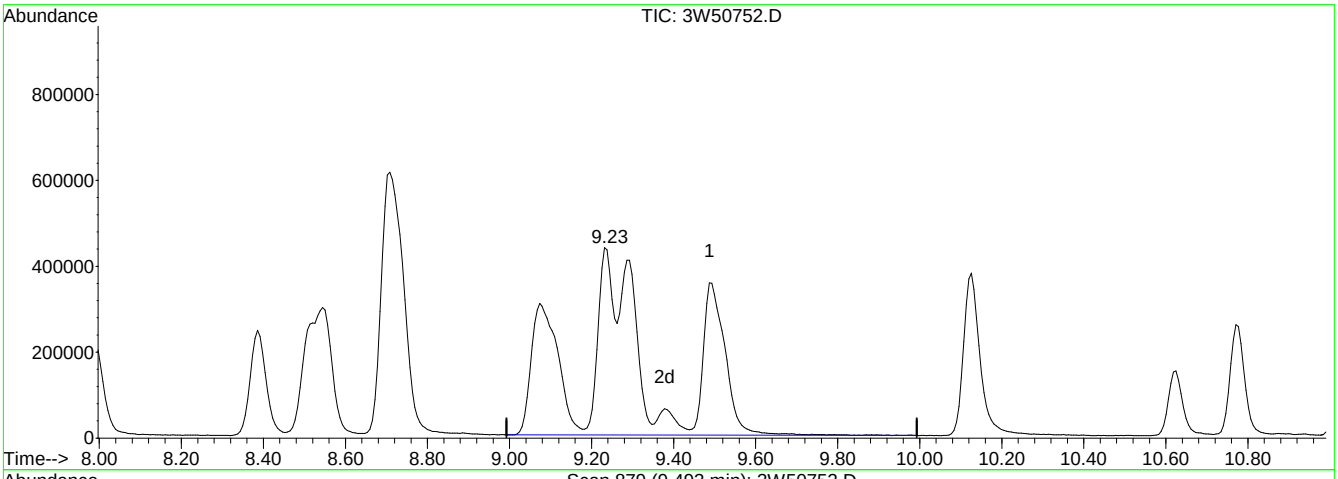
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.20#
0.00	2.00	0.17#
0.00	0.00	0.00

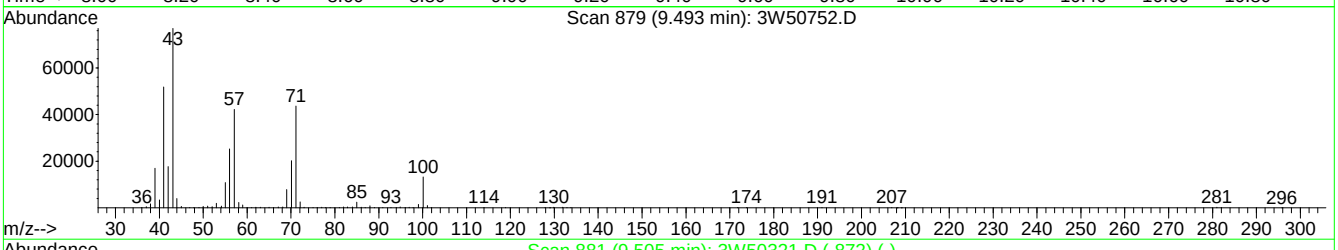
3W50752.D M3W1928.M Mon Nov 02 09:36:54 2015 MS3W

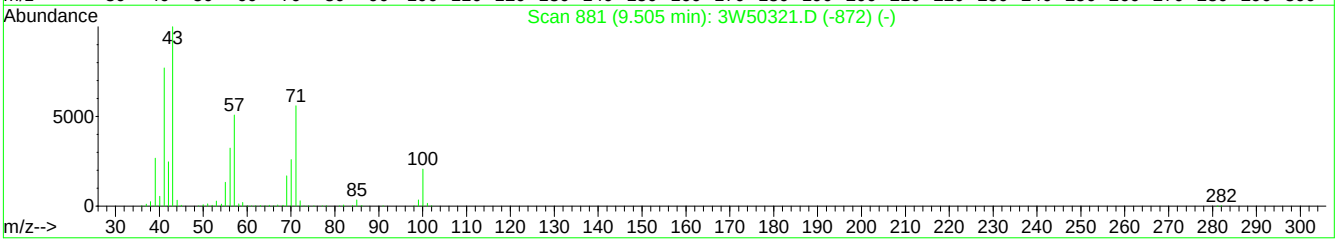
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50752.D Vial: 1
Acq On : 31 Oct 2015 1:29 am Operator: YOUMINH
Sample : IC1928-5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:38 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50752.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 21.65PPBV m

response 5253072

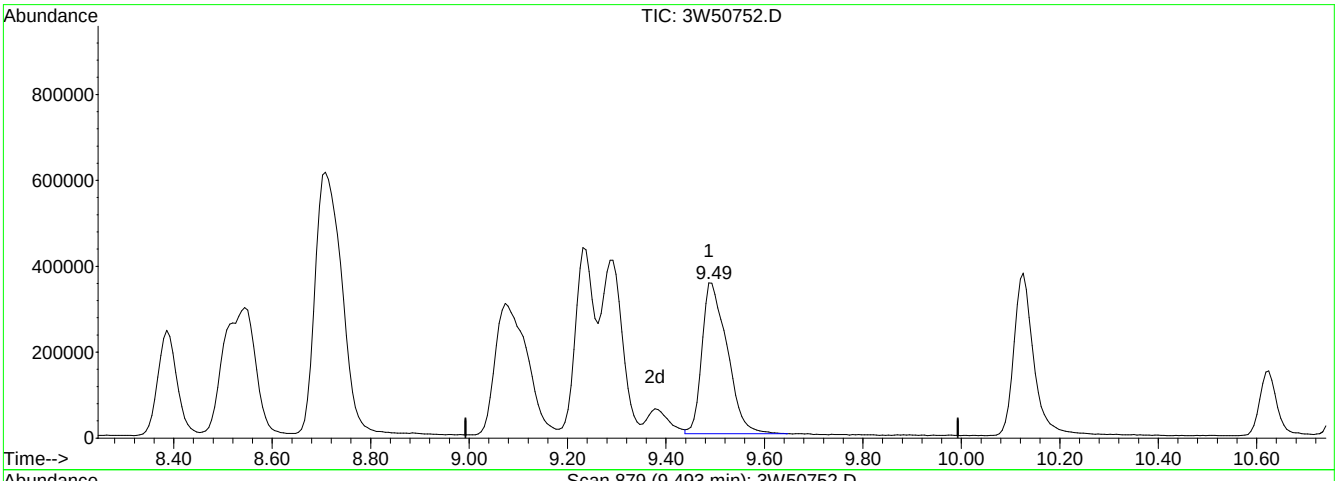
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.23#
0.00	1.00	0.19#
0.00	0.00	0.00

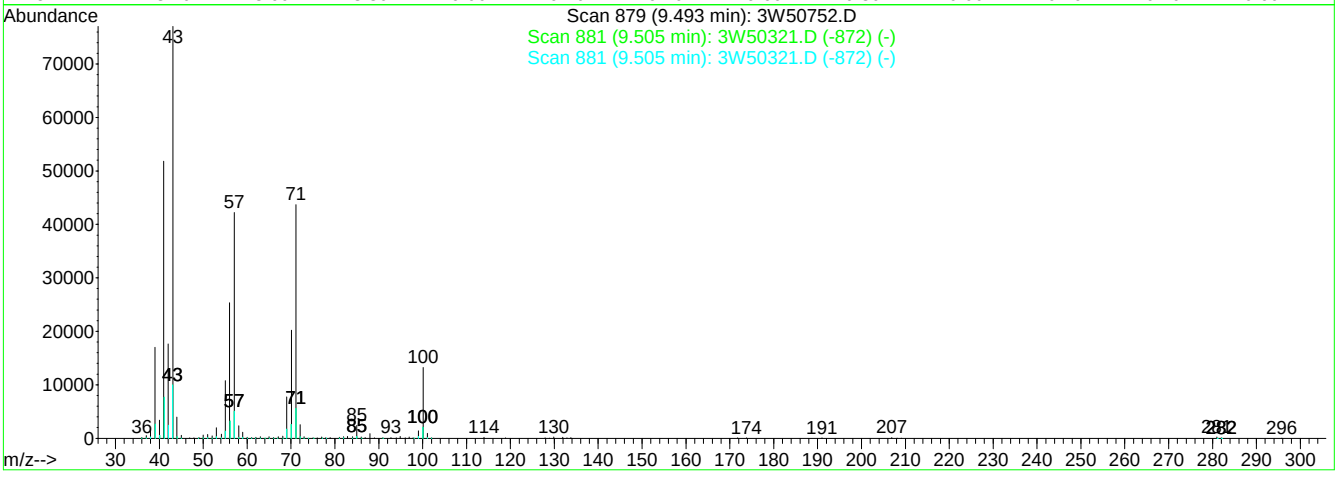
3W50752.D M3W1928.M Mon Nov 02 09:38:36 2015 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50752.D Vial: 1
Acq On : 31 Oct 2015 1:29 am Operator: YOUMINH
Sample : IC1928-5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:39 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration





TIC: 3W50752.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 5.17PPBV m

response 1255347

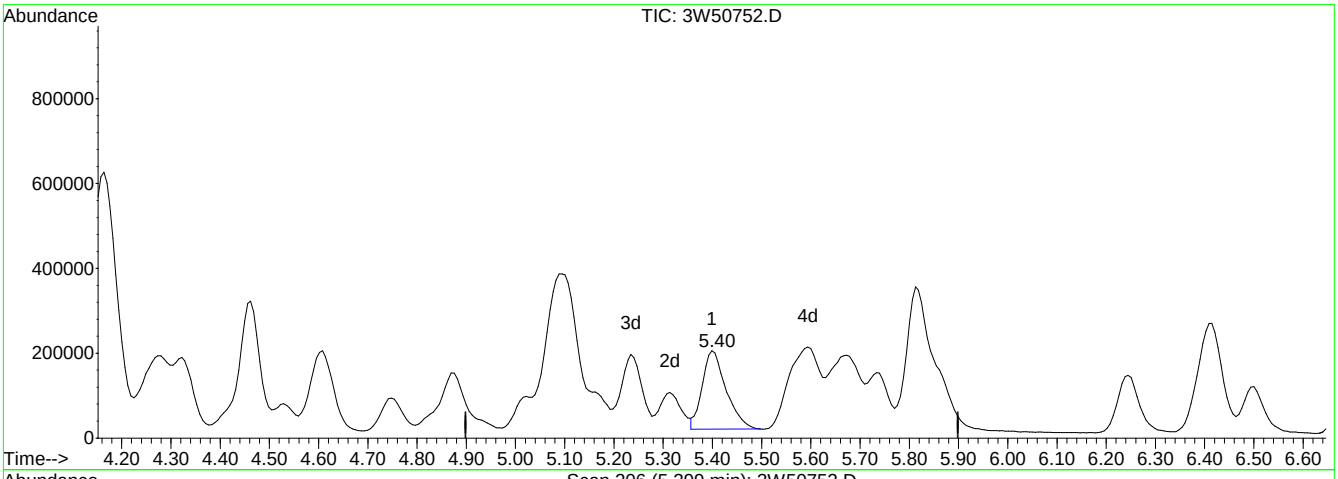
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.95#
0.00	1.00	0.79#
0.00	0.00	0.00

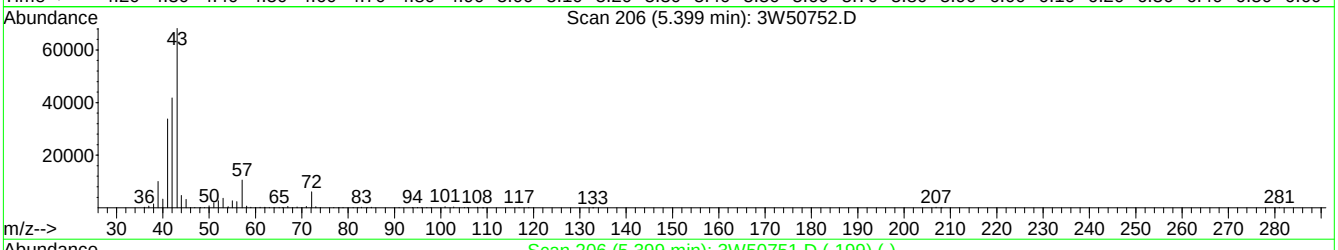
3W50752.D M3W1928.M Mon Nov 02 09:39:35 2015 MS3W

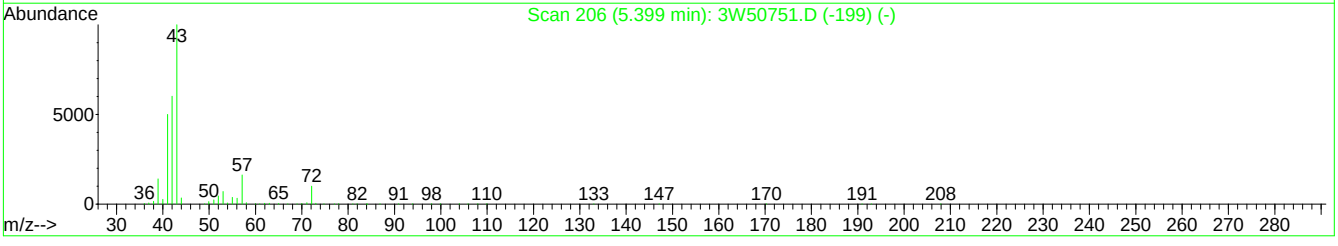
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50752.D Vial: 1
Acq On : 31 Oct 2015 1:29 am Operator: YOUMINH
Sample : IC1928-5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:03 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50752.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 5.05PPBV m

response 620555

Signal	Exp%	Act%
TIC	100	100
0.00	2.30	1.92#
0.00	2.00	1.60#
0.00	0.00	0.00

3W50752.D M3W1928.M Tue Nov 03 17:15:00 2015 MS3W

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/03/15 18:02

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:37 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	129850	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	618805	10.00	PPBV	-0.01
71) CHLOROBENZENE-D5	12.83	82	256141	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.46	95	241553	8.50	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 85.00%			
Target Compounds						Qvalue
4) FREON 152A	4.24	65	6005	0.49	PPBV #	49
5) CHLORODIFLUOROMETHANE	4.27	67	2245	0.51	PPBV	66
6) DICHLORODIFLUOROMETHANE	4.33	85	21294	0.50	PPBV	96
7) PROPYLENE	4.28	41	7931	0.49	PPBV	97
9) FREON 114	4.46	85	22507	0.46	PPBV	96
10) CHLOROMETHANE	4.42	50	11270	0.51	PPBV	99
11) VINYL CHLORIDE	4.53	62	10374	0.48	PPBV	96
12) 1,3-BUTADIENE	4.60	54	7916	0.50	PPBV	97
13) n-BUTANE	4.61	43	15193	0.48	PPBV #	97
14) BROMOMETHANE	4.75	94	8821	0.47	PPBV	95
15) CHLOROETHANE	4.83	64	4995	0.47	PPBV	92
16) DICHLOROFLUOROMETHANE	4.87	67	20675	0.50	PPBV	99
17) ACETONITRILE	5.07	41	7893	0.53	PPBV #	70
18) FREON 123	5.08	83	22958	0.48	PPBV	97
19) FREON 123A	5.11	117	11574	0.47	PPBV	94
20) TRICHLOROFLUOROMETHANE	5.23	101	20327	0.49	PPBV	98
22) ISOPROPYL ALCOHOL	5.36	45	17851	0.46	PPBV	77
23) ACETONE	5.20	58	4582	0.50	PPBV #	90
24) PENTANE	5.40	42	10582	0.50	PPBV	96
25) TVHC as EQUIV PENTANE	5.40	TIC	66348m	0.57	PPBV	
26) IODOMETHANE	5.56	142	22484	0.46	PPBV	98
27) 1,1-DICHLOROETHYLENE	5.61	96	9800	0.53	PPBV #	87
28) CARBON DISULFIDE	5.86	76	26533	0.48	PPBV	89
29) ETHANOL	4.97	45	6627	0.74	PPBV	99
30) BROMOETHENE	5.02	106	8380	0.45	PPBV	96
31) ACRYLONITRILE	5.46	52	4480	0.38	PPBV #	92
32) METHYLENE CHLORIDE	5.68	84	9014	0.55	PPBV	89
33) 3-CHLOROPROPENE	5.73	76	4047	0.46	PPBV #	74
34) FREON 113	5.81	151	13847	0.46	PPBV	97
35) TRANS-1,2-DICHLOROETHYLENE	6.25	96	7869	0.46	PPBV	95
36) TERTIARY BUTYL ALCOHOL	5.71	59	21158m	0.46	PPBV	
37) METHYL TERTIARY BUTYL ETHE	6.45	73	21240	0.42	PPBV	99
38) TETRAHYDROFURAN	7.61	72	3800	0.40	PPBV	99
39) HEXANE	7.07	57	14635	0.47	PPBV	96
40) VINYL ACETATE	6.51	86	1354	0.35	PPBV #	83
41) 1,1-DICHLOROETHANE	6.39	63	17253	0.46	PPBV	96
42) METHYL ETHYL KETONE	6.72	72	3488	0.38	PPBV #	68
43) cis-1,2-DICHLOROETHYLENE	7.02	96	9120	0.49	PPBV	92
44) DIISOPROPYL ETHER	7.11	59	3333	0.45	PPBV #	79
45) ETHYL ACETATE	7.19	61	3168	0.47	PPBV #	65
46) METHYL ACRYLATE	7.19	55	11351	0.35	PPBV #	99
47) CHLOROFORM	7.21	83	16413	0.44	PPBV	95
48) 2,4-DIMETHYLPENTANE	7.75	57	17728	0.46	PPBV	98
49) 1,1,1-TRICHLOROETHANE	7.99	97	16685	0.45	PPBV	99
50) CARBON TETRACHLORIDE	8.51	117	17207	0.46	PPBV	98
51) 1,2-DICHLOROETHANE	7.79	62	8690	0.41	PPBV	98
53) BENZENE	8.39	78	25043	0.44	PPBV	98
54) CYCLOHEXANE	8.55	84	13571	0.46	PPBV	93
55) 2,3-DIMETHYLPENTANE	8.73	71	6969	0.52	PPBV #	35

(#) = qualifier out of range (m) = manual integration
3W50753.D M3W1928.M Tue Nov 03 17:17:06 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:37 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

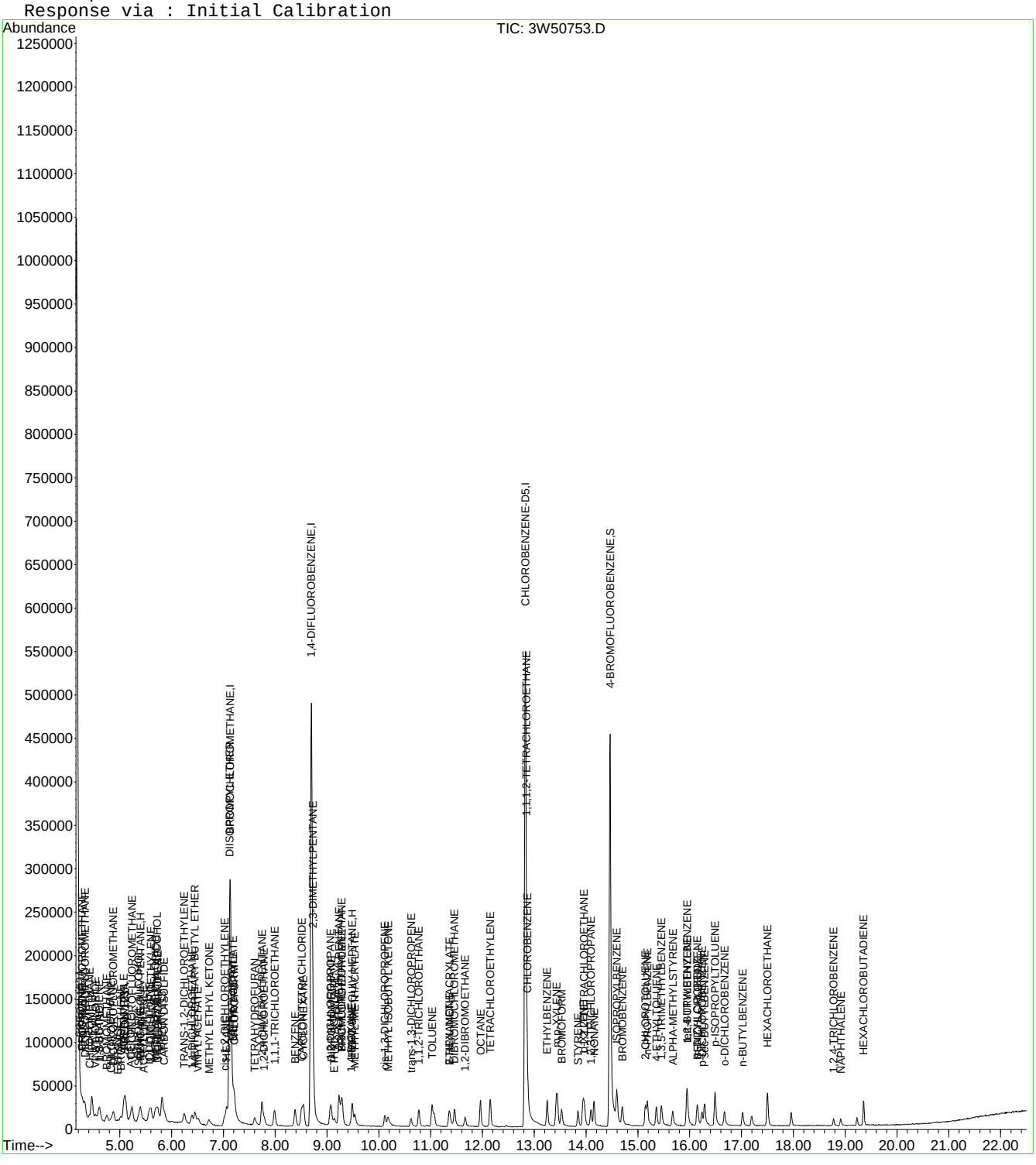
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
56)	TRICHLOROETHYLENE	9.29	95	9617	0.43 PPBV	95
57)	1,2-DICHLOROPROPANE	9.06	63	9933	0.44 PPBV	97
58)	DIBROMOMETHANE	9.09	174	8219	0.41 PPBV	95
59)	ETHYL ACRYLATE	9.15	55	12142m	0.32 PPBV	
60)	BROMODICHLOROMETHANE	9.27	83	17217	0.45 PPBV	99
61)	2,2,4-TRIMETHYLPENTANE	9.23	57	42747	0.45 PPBV	99
62)	1,4-DIOXANE	9.46	88	5013	0.40 PPBV #	41
63)	HEPTANE	9.49	43	16456	0.47 PPBV	97
64)	TVHC as EQUIV HEPTANE	9.49	TIC	70378m	0.31 PPBV	
65)	METHYL METHACRYLATE	9.54	69	8301	0.42 PPBV #	23
66)	METHYL ISOBUTYL KETONE	10.17	58	6109	0.36 PPBV #	83
67)	cis-1,3-DICHLOROPROPENE	10.12	75	11356	0.36 PPBV	95
68)	TOLUENE	11.03	92	14975	0.40 PPBV	95
69)	trans-1,3-DICHLOROPROPENE	10.62	75	7738	0.32 PPBV	96
70)	1,1,2-TRICHLOROETHANE	10.77	83	8049	0.41 PPBV	96
72)	2-HEXANONE	11.36	58	6699	0.36 PPBV #	73
73)	ETHYL METHACRYLATE	11.37	69	11511	0.43 PPBV	96
74)	TETRACHLOROETHYLENE	12.15	164	10424	0.51 PPBV	98
75)	DIBROMOCHLOROMETHANE	11.46	129	15030	0.49 PPBV	94
76)	1,2-DIBROMOETHANE	11.66	107	11149	0.45 PPBV	99
77)	OCTANE	11.96	43	18479	0.48 PPBV	99
78)	1,1,1,2-TETRACHLOROETHANE	12.85	131	10749	0.46 PPBV	99
79)	CHLOROBENZENE	12.87	112	18344	0.46 PPBV	95
80)	ETHYLBENZENE	13.25	91	30186	0.46 PPBV	99
81)	m,p-XYLENE	13.43	106	23044	0.92 PPBV	98
82)	o-XYLENE	13.94	106	11344	0.47 PPBV	89
83)	STYRENE	13.84	104	14854	0.42 PPBV	93
84)	NONANE	14.15	43	16099	0.42 PPBV	95
85)	BROMOFORM	13.53	173	13544	0.43 PPBV	99
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	18307	0.47 PPBV	95
88)	1,2,3-TRICHLOROPROPANE	14.10	75	13450	0.46 PPBV	97
89)	ISOPROPYLBENZENE	14.59	105	31714	0.45 PPBV	99
90)	BROMOBENZENE	14.69	77	14817	0.45 PPBV	95
91)	2-CHLOROTOLUENE	15.14	126	6870	0.40 PPBV	99
92)	n-PROPYLBENZENE	15.18	120	6788	0.38 PPBV	86
93)	4-ETHYLTOLUENE	15.36	105	21950	0.36 PPBV	95
94)	1,3,5-TRIMETHYLBENZENE	15.45	105	22699	0.42 PPBV	95
95)	ALPHA-METHYLSTYRENE	15.67	118	8238	0.31 PPBV	98
96)	tert-BUTYLBENZENE	15.95	134	4901	0.39 PPBV #	91
97)	1,2,4-TRIMETHYLBENZENE	15.95	105	19560	0.38 PPBV	93
98)	m-DICHLOROBENZENE	16.14	146	10231	0.34 PPBV	99
99)	BENZYL CHLORIDE	16.15	91	11366	0.30 PPBV	98
100)	p-DICHLOROBENZENE	16.23	146	10683	0.36 PPBV	97
101)	sec-BUTYLBENZENE	16.29	134	4998	0.34 PPBV	97
102)	p-ISOPROPYLTOLUENE	16.50	134	4758	0.30 PPBV	99
103)	o-DICHLOROBENZENE	16.67	146	11045	0.38 PPBV	98
104)	n-BUTYLBENZENE	17.02	134	3582	0.29 PPBV	92
105)	HEXACHLOROETHANE	17.50	117	10310	0.43 PPBV	97
106)	HEXACHLOROBUTADIENE	19.35	225	7000	0.44 PPBV	96
107)	1,2,4-TRICHLOROBENZENE	18.78	180	3579	0.40 PPBV	96
108)	NAPHTHALENE	18.92	128	8263	0.46 PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50753.D M3W1928.M Tue Nov 03 17:17:06 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:42 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

Manual Integration Approval Summary

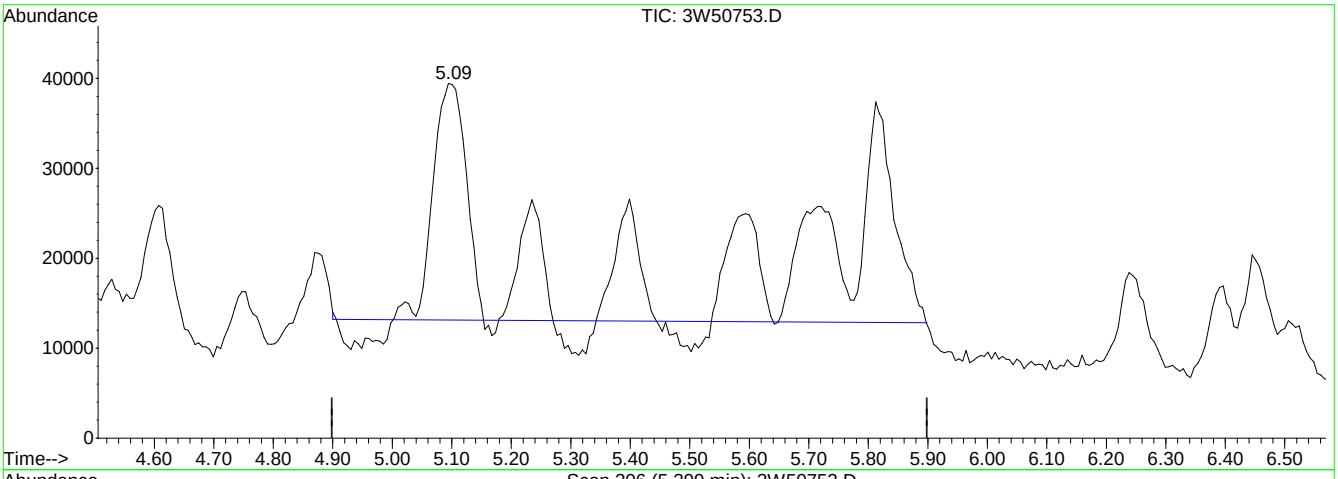
Sample Number:	V3W1928-IC1928	**Method:**	TO-15
Lab FileID:	3W50753.D	**Analyst approved:**	11/02/15 16:06 Youmin Hu
Injection Time:	10/31/15 02:10	**Supervisor approved:**	11/03/15 18:02 Jessica Reitan-Chu

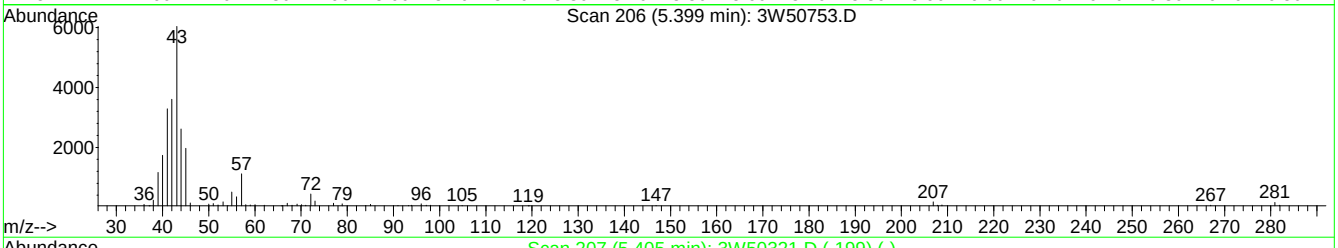
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tertiary Butyl Alcohol	75-65-0		5.71	Missed peak

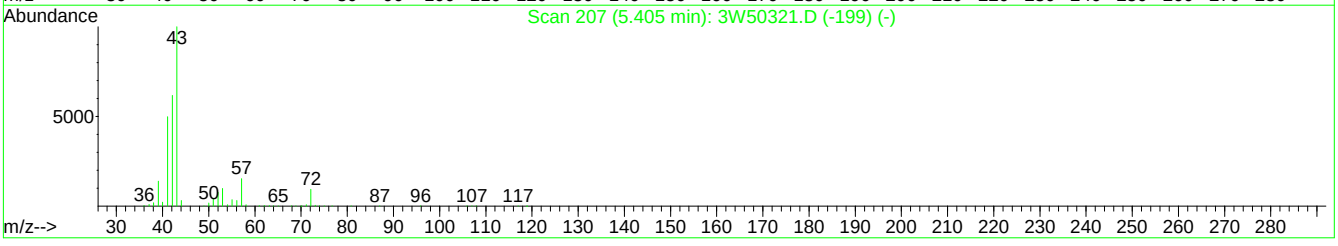
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:40 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50753.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 3.88PPBV m

response 453749

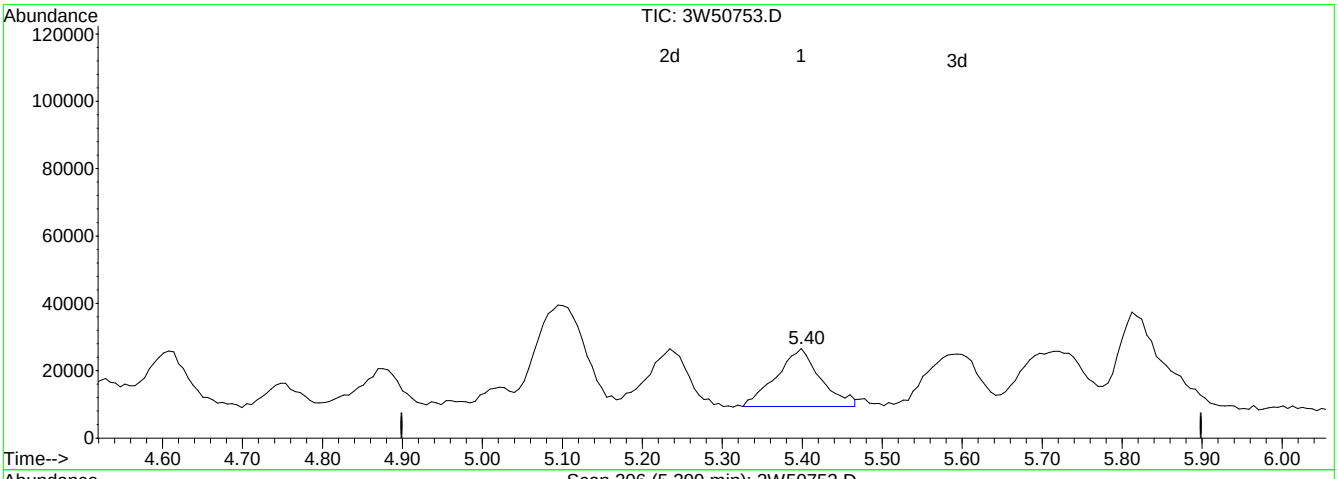
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.22#
0.00	2.00	0.19#
0.00	0.00	0.00

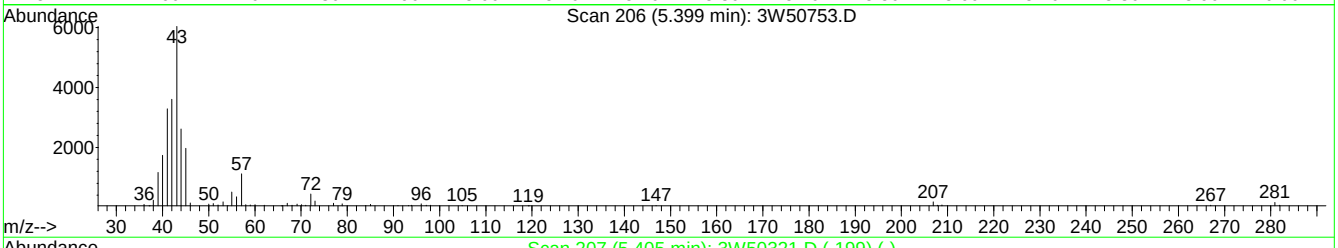
3W50753.D M3W1928.M Mon Nov 02 09:40:17 2015 MS3W

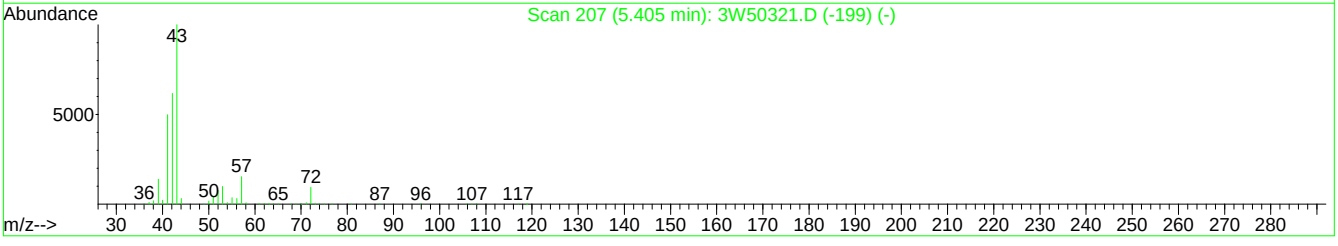
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:40 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50753.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 0.57PPBV m

response 66348

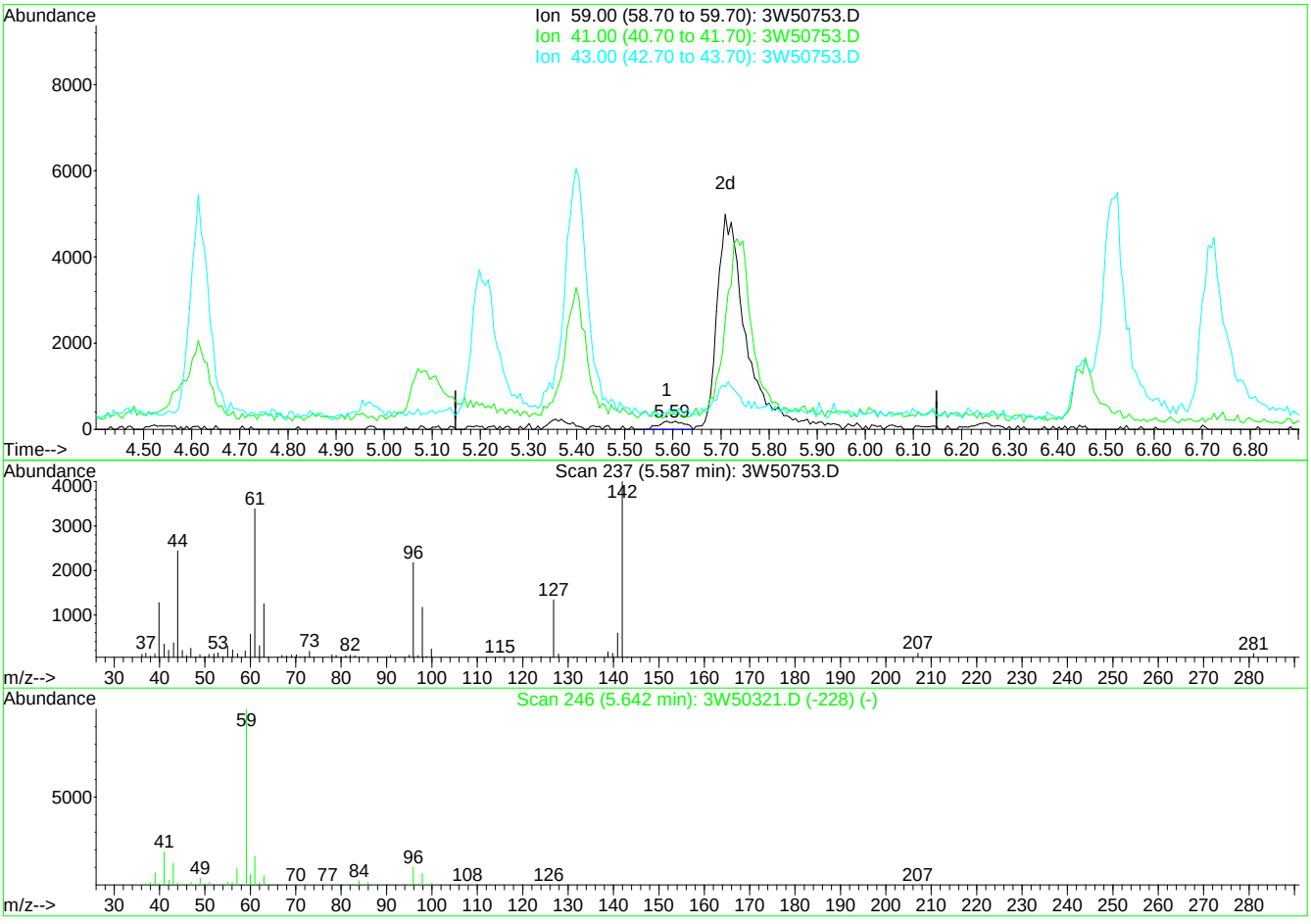
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	1.50#
0.00	2.00	1.27#
0.00	0.00	0.00

3W50753.D M3W1928.M Mon Nov 02 09:40:55 2015 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:40 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration



TIC: 3W50753.D

(36) TERTIARY BUTYL ALCOHOL

5.59min 0.01PPBV

response 662

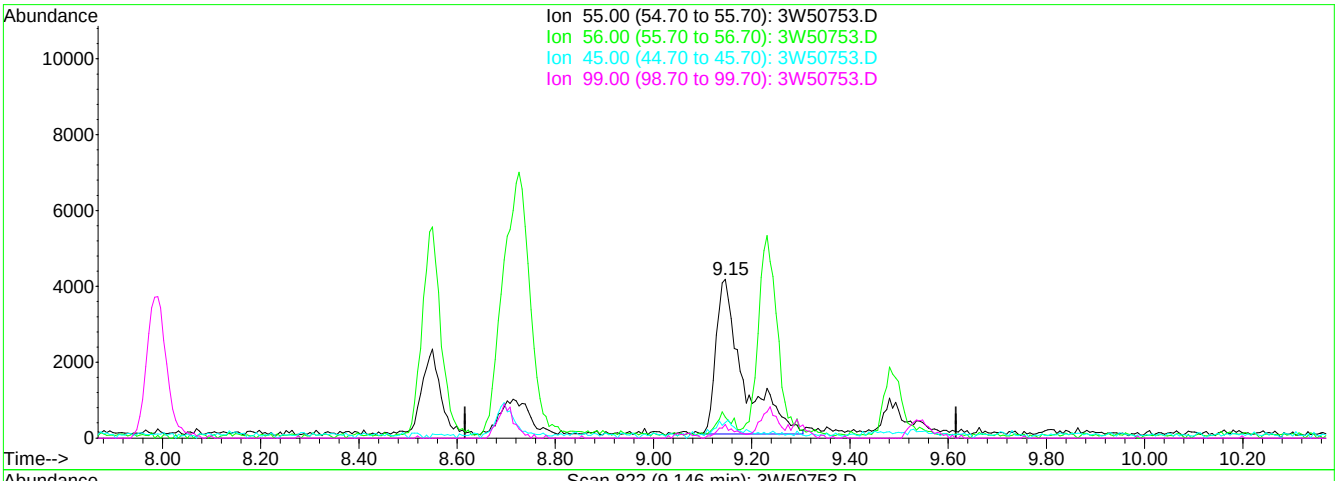
Ion	Exp%	Act%
59.00	100	100
41.00	17.60	39.27#
43.00	11.90	0.00
0.00	0.00	0.00

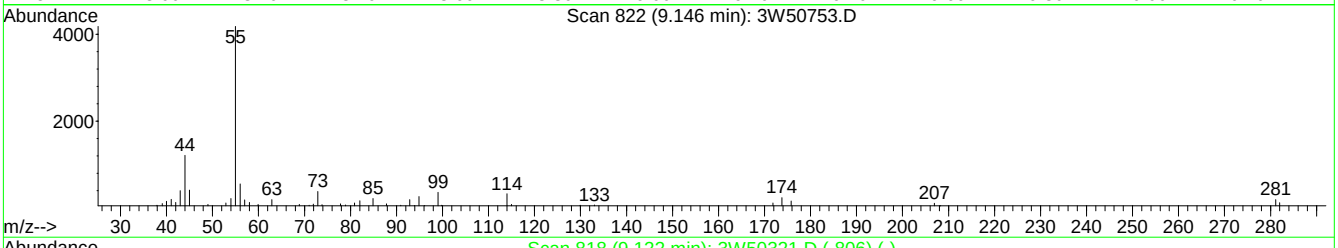
3W50753.D M3W1928.M Mon Nov 02 09:41:26 2015 MS3W

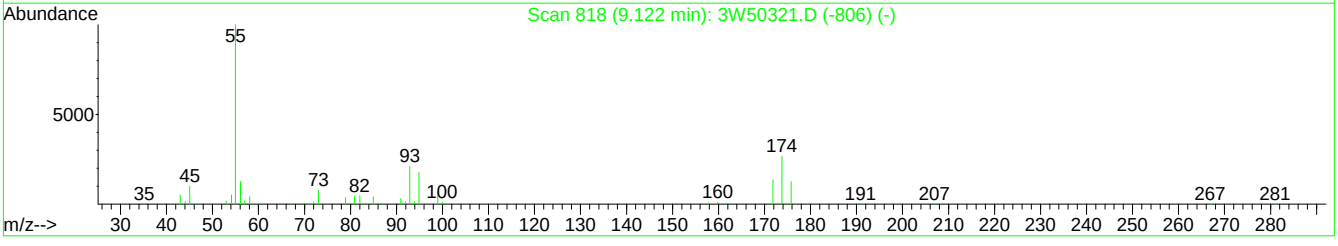
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:41 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50753.D

(59) ETHYL ACRYLATE

9.15min 0.41PPBV

response 15727

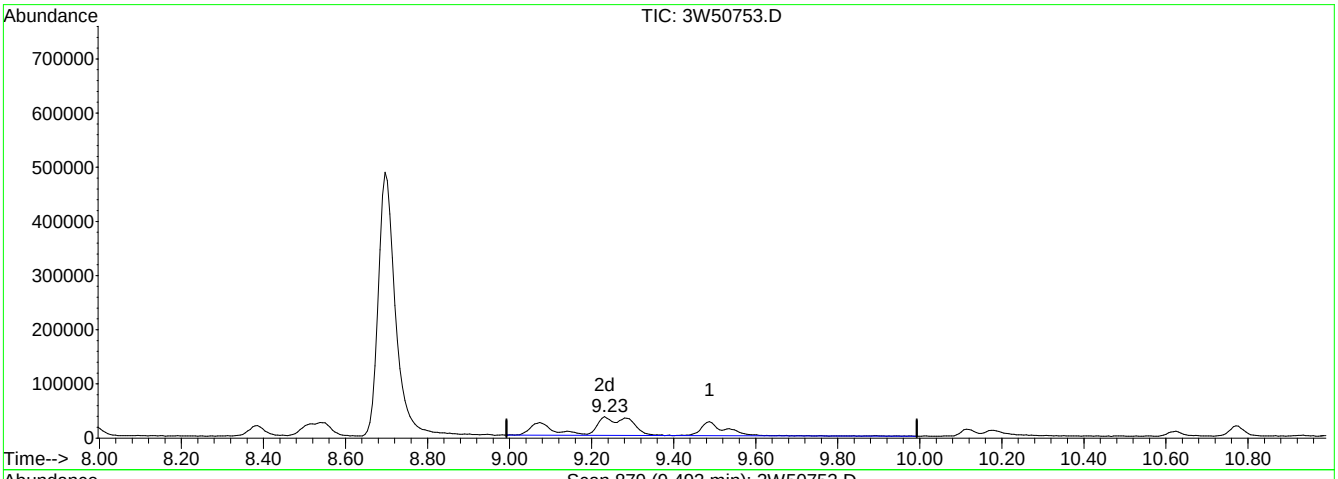
Ion	Exp%	Act%
55.00	100	100
56.00	12.00	7.69#
45.00	9.80	9.51
99.00	7.00	5.55#

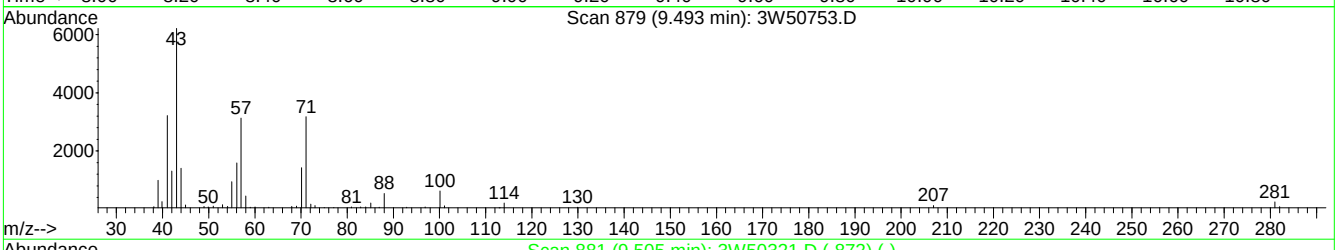
3W50753.D M3W1928.M Mon Nov 02 09:41:51 2015 MS3W

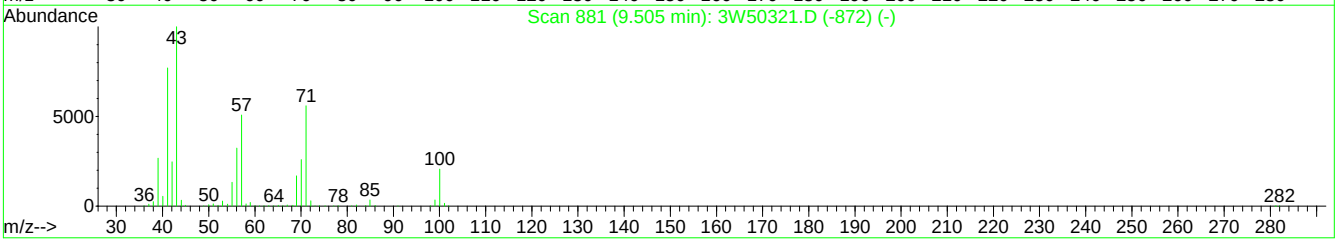
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:42 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50753.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 1.74PPBV m

response 397811

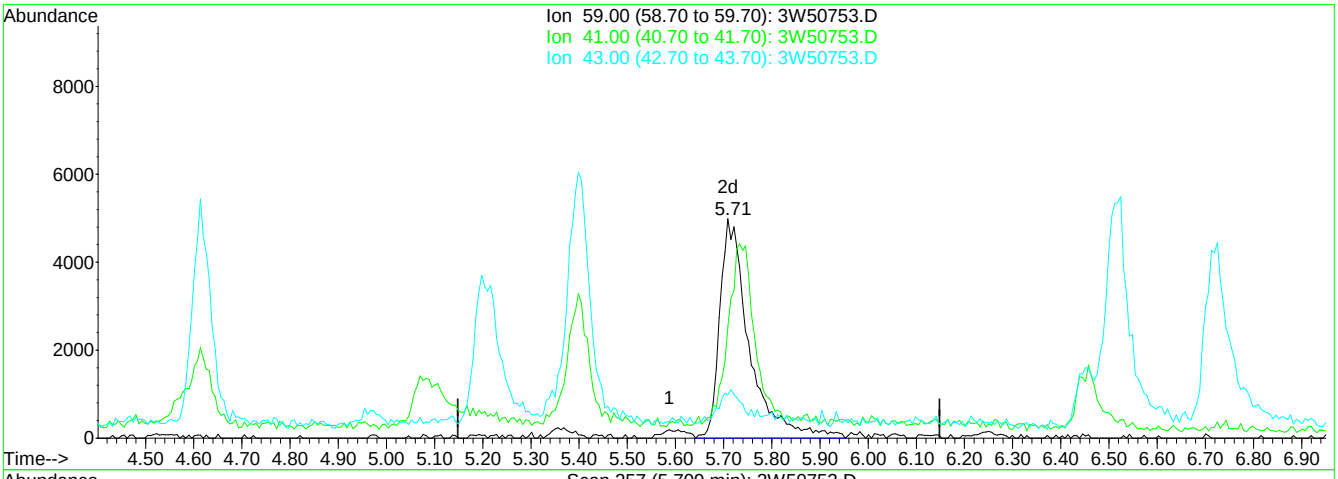
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.25#
0.00	1.00	0.21#
0.00	0.00	0.00

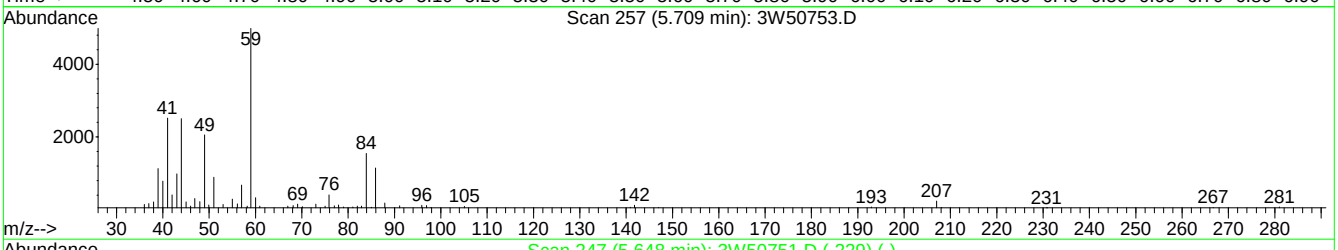
3W50753.D M3W1928.M Mon Nov 02 09:42:19 2015 MS3W

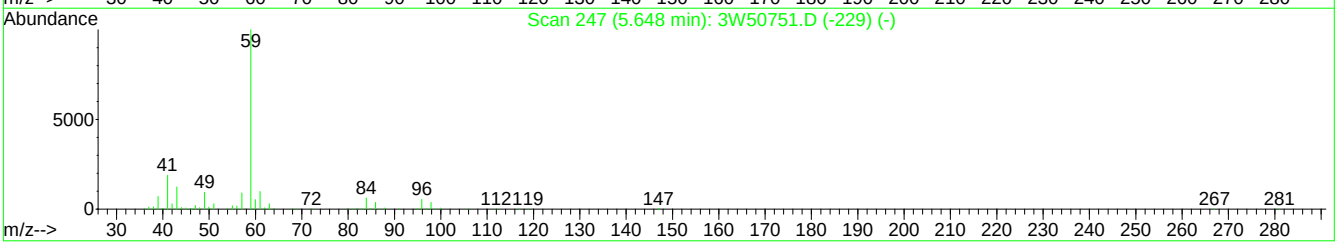
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:42 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50753.D

(36) TERTIARY BUTYL ALCOHOL

5.71min 0.46PPBV m

response 21158

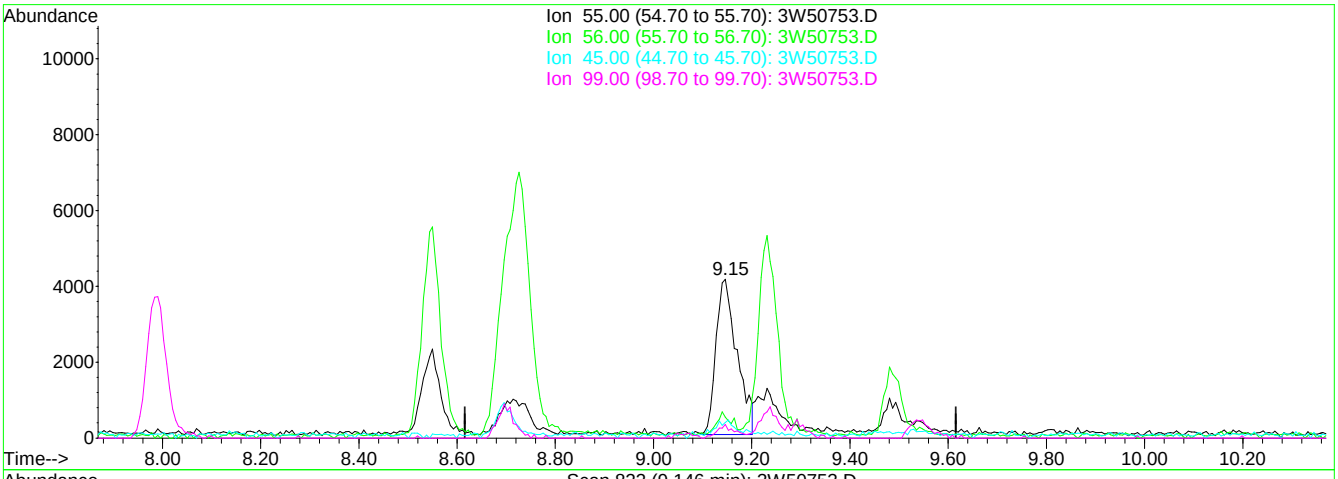
Ion	Exp%	Act%
59.00	100	100
41.00	17.60	1.23
43.00	11.90	0.00
0.00	0.00	0.00

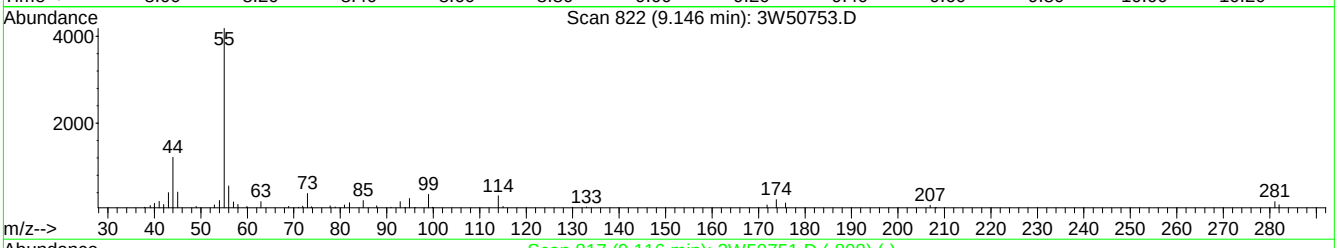
3W50753.D M3W1928.M Mon Nov 02 15:55:34 2015 MS3W

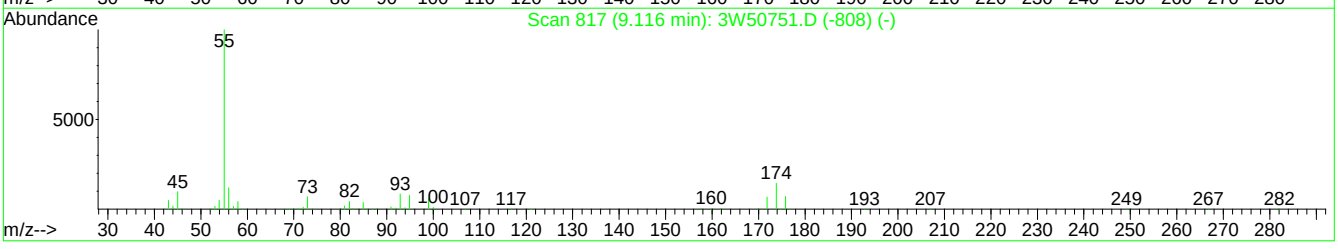
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:42 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50753.D

(59) ETHYL ACRYLATE

9.15min 0.32PPBV m

response 12142

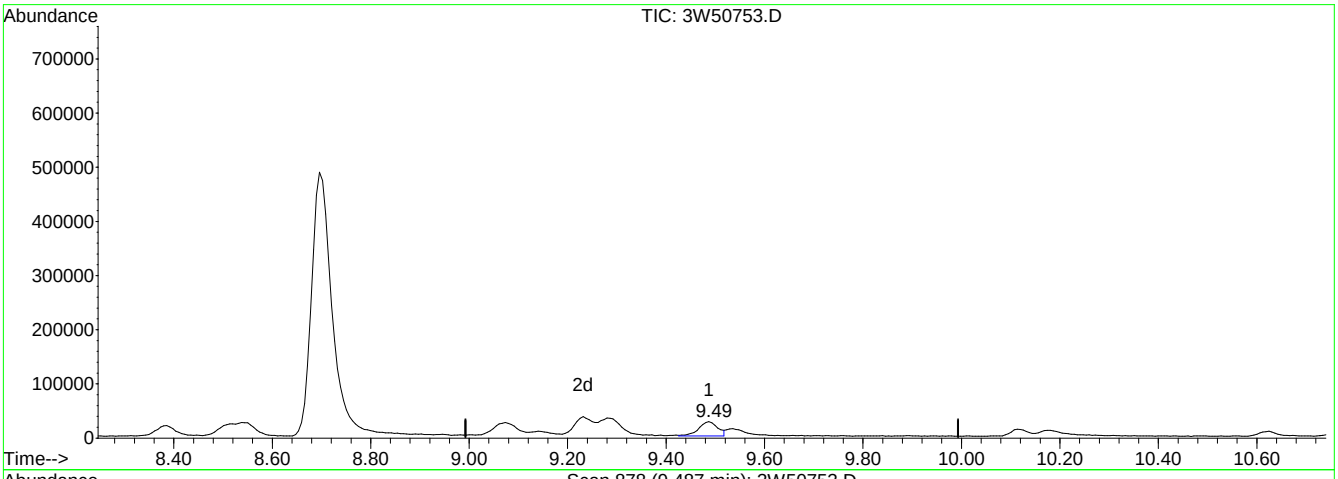
Ion	Exp%	Act%
55.00	100	100
56.00	12.00	9.97
45.00	9.80	12.31#
99.00	7.00	7.19

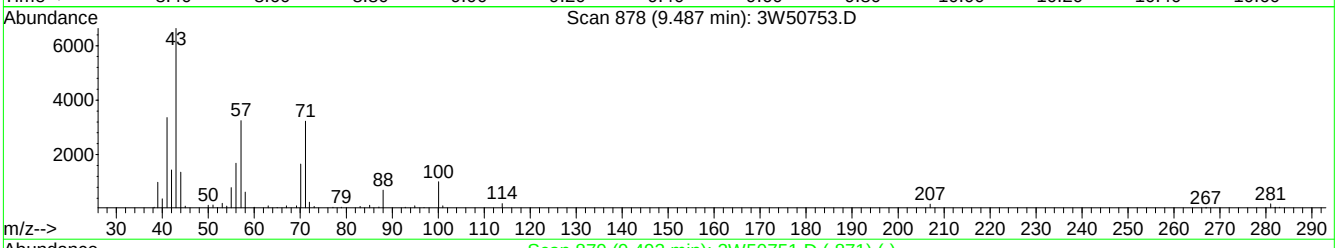
3W50753.D M3W1928.M Mon Nov 02 15:56:23 2015 MS3W

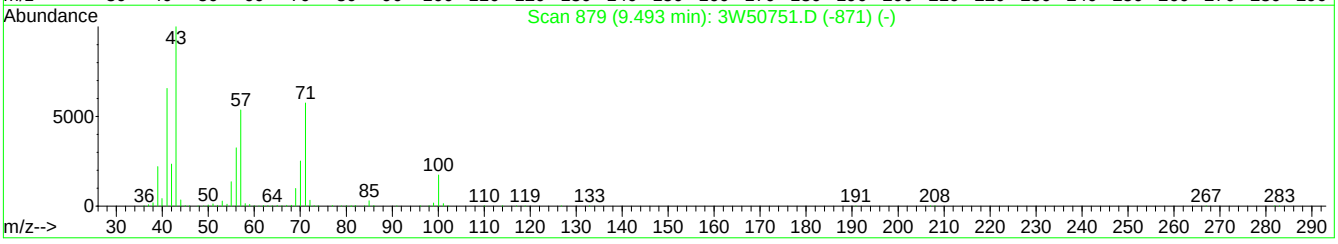
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50753.D Vial: 2
Acq On : 31 Oct 2015 2:10 am Operator: YOUMINH
Sample : IC1928-0.5 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:42 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50753.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 0.31PPBV m

response 70378

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.42#
0.00	1.00	1.20#
0.00	0.00	0.00

3W50753.D M3W1928.M Mon Nov 02 15:56:53 2015 MS3W

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/03/15 18:02

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:40 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	124446	10.00	PPBV	-0.01
52) 1,4-DIFLUOROBENZENE	8.70	114	586669	10.00	PPBV	-0.01
71) CHLOROBENZENE-D5	12.83	82	240775	10.00	PPBV	0.00

System Monitoring Compounds

86) 4-BROMOFLUOROBENZENE	14.46	95	213473	7.99	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 79.90%

Target Compounds						Qvalue
4) FREON 152A	4.24	65	2761	0.24	PPBV #	49
5) CHLORODIFLUOROMETHANE	4.27	67	879	0.21	PPBV	69
6) DICHLORODIFLUOROMETHANE	4.32	85	9271	0.23	PPBV	98
7) PROPYLENE	4.29	41	3688	0.24	PPBV	93
9) FREON 114	4.46	85	10271	0.22	PPBV	97
10) CHLOROMETHANE	4.42	50	5015	0.24	PPBV	91
11) VINYL CHLORIDE	4.54	62	4322	0.21	PPBV	97
12) 1,3-BUTADIENE	4.60	54	3024	0.20	PPBV #	69
13) n-BUTANE	4.61	43	6590	0.22	PPBV #	96
14) BROMOMETHANE	4.74	94	3935	0.22	PPBV	91
15) CHLOROETHANE	4.82	64	2368	0.23	PPBV #	81
16) DICHLOROFLUOROMETHANE	4.88	67	8559	0.21	PPBV	95
17) ACETONITRILE	5.09	41	1994m	0.14	PPBV	
18) FREON 123	5.08	83	9516	0.21	PPBV	99
19) FREON 123A	5.11	117	5010	0.21	PPBV	90
20) TRICHLOROFLUOROMETHANE	5.24	101	8523	0.21	PPBV	96
22) ISOPROPYL ALCOHOL	5.37	45	7213	0.19	PPBV #	1
23) ACETONE	5.22	58	2033	0.23	PPBV #	85
24) PENTANE	5.39	42	5402	0.27	PPBV	93
25) TVHC as EQUIV PENTANE	5.40	TIC	28564m	0.26	PPBV	
26) IODOMETHANE	5.56	142	9660	0.20	PPBV	98
27) 1,1-DICHLOROETHYLENE	5.59	96	4106	0.23	PPBV #	86
28) CARBON DISULFIDE	5.86	76	11887	0.22	PPBV #	80
29) ETHANOL	4.97	45	2240	0.26	PPBV #	57
30) BROMOETHENE	5.03	106	3496	0.20	PPBV	97
31) ACRYLONITRILE	5.47	52	2028	0.18	PPBV #	2
32) METHYLENE CHLORIDE	5.68	84	4464	0.28	PPBV	80
33) 3-CHLOROPROPENE	5.73	76	1669	0.20	PPBV #	48
34) FREON 113	5.81	151	5586	0.20	PPBV	97
35) TRANS-1,2-DICHLOROETHYLENE	6.24	96	3701	0.23	PPBV #	85
36) TERTIARY BUTYL ALCOHOL	5.73	59	8805m	0.20	PPBV	
37) METHYL TERTIARY BUTYL ETHE	6.46	73	9011	0.18	PPBV	92
38) TETRAHYDROFURAN	7.61	72	1534	0.17	PPBV #	72
39) HEXANE	7.06	57	6810	0.23	PPBV #	72
40) VINYL ACETATE	6.52	86	492	0.13	PPBV #	90
41) 1,1-DICHLOROETHANE	6.39	63	7426	0.21	PPBV	95
42) METHYL ETHYL KETONE	6.73	72	1263	0.14	PPBV #	35
43) cis-1,2-DICHLOROETHYLENE	7.02	96	3270	0.18	PPBV	89
44) DIISOPROPYL ETHER	7.11	59	1429	0.20	PPBV #	65
45) ETHYL ACETATE	7.22	61	1162	0.18	PPBV #	81
46) METHYL ACRYLATE	7.19	55	4117	0.13	PPBV #	87
47) CHLOROFORM	7.21	83	7215	0.20	PPBV #	88
48) 2,4-DIMETHYLPENTANE	7.75	57	8064	0.22	PPBV	99
49) 1,1,1-TRICHLOROETHANE	7.98	97	7169	0.20	PPBV	99
50) CARBON TETRACHLORIDE	8.50	117	7111	0.20	PPBV	99
51) 1,2-DICHLOROETHANE	7.79	62	3553	0.17	PPBV	97
53) BENZENE	8.39	78	10566	0.20	PPBV	96
54) CYCLOHEXANE	8.54	84	6053	0.22	PPBV	92
55) 2,3-DIMETHYLPENTANE	8.73	71	3338	0.26	PPBV #	1

(#) = qualifier out of range (m) = manual integration
3W50754.D M3W1928.M Tue Nov 03 17:17:08 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:40 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

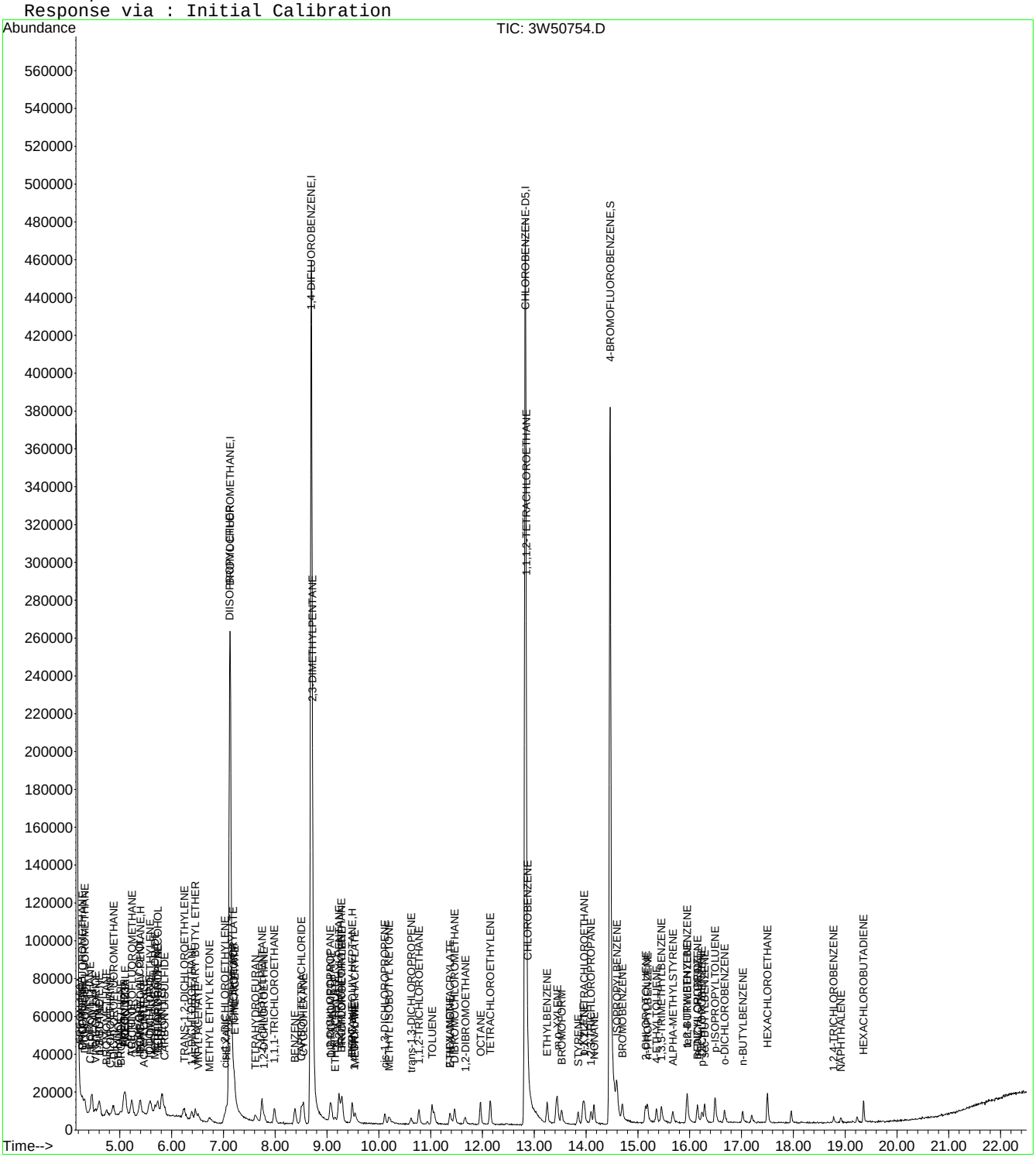
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
56)	TRICHLOROETHYLENE	9.29	95	4467	0.21 PPBV	95
57)	1,2-DICHLOROPROPANE	9.06	63	5805	0.27 PPBV	83
58)	DIBROMOMETHANE	9.09	174	3390	0.18 PPBV #	86
59)	ETHYL ACRYLATE	9.15	55	4159m	0.11 PPBV	
60)	BROMODICHLOROMETHANE	9.27	83	6873	0.19 PPBV	97
61)	2,2,4-TRIMETHYLPENTANE	9.23	57	17865	0.20 PPBV	89
62)	1,4-DIOXANE	9.52	88	2491m	0.21 PPBV	
63)	HEPTANE	9.48	43	7157	0.21 PPBV	92
64)	TVHC as EQUIV HEPTANE	9.49	TIC	26960m	0.12 PPBV	
65)	METHYL METHACRYLATE	9.54	69	2598	0.14 PPBV #	64
66)	METHYL ISOBUTYL KETONE	10.20	58	2353	0.15 PPBV #	66
67)	cis-1,3-DICHLOROPROPENE	10.12	75	4999	0.17 PPBV	87
68)	TOLUENE	11.03	92	6400	0.18 PPBV	98
69)	trans-1,3-DICHLOROPROPENE	10.62	75	3364	0.15 PPBV	94
70)	1,1,2-TRICHLOROETHANE	10.77	83	3391	0.18 PPBV	96
72)	2-HEXANONE	11.37	58	2302	0.13 PPBV #	71
73)	ETHYL METHACRYLATE	11.38	69	4361	0.18 PPBV #	90
74)	TETRACHLOROETHYLENE	12.15	164	4434	0.23 PPBV	95
75)	DIBROMOCHLOROMETHANE	11.46	129	5966	0.21 PPBV	96
76)	1,2-DIBROMOETHANE	11.67	107	4374	0.19 PPBV #	93
77)	OCTANE	11.96	43	7209	0.20 PPBV	96
78)	1,1,1,2-TETRACHLOROETHANE	12.85	131	4239	0.19 PPBV	89
79)	CHLOROBENZENE	12.88	112	6779	0.18 PPBV #	43
80)	ETHYLBENZENE	13.25	91	12159	0.20 PPBV	95
81)	m,p-XYLENE	13.44	106	8606	0.36 PPBV	93
82)	o-XYLENE	13.94	106	4180	0.18 PPBV #	86
83)	STYRENE	13.84	104	5505	0.17 PPBV	97
84)	NONANE	14.15	43	5613	0.16 PPBV	98
85)	BROMOFORM	13.53	173	5157	0.18 PPBV	97
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	6506	0.18 PPBV	89
88)	1,2,3-TRICHLOROPROPANE	14.10	75	5099	0.19 PPBV	89
89)	ISOPROPYLBENZENE	14.60	105	12089	0.18 PPBV	96
90)	BROMOBENZENE	14.69	77	5172	0.17 PPBV	96
91)	2-CHLOROTOLUENE	15.14	126	2436	0.15 PPBV	93
92)	n-PROPYLBENZENE	15.19	120	2385	0.14 PPBV	97
93)	4-ETHYLTOLUENE	15.35	105	7828	0.13 PPBV #	90
94)	1,3,5-TRIMETHYLBENZENE	15.46	105	7787	0.15 PPBV	93
95)	ALPHA-METHYLSTYRENE	15.67	118	2963	0.12 PPBV	96
96)	tert-BUTYLBENZENE	15.95	134	1711	0.14 PPBV #	76
97)	1,2,4-TRIMETHYLBENZENE	15.95	105	7124	0.15 PPBV	89
98)	m-DICHLOROBENZENE	16.15	146	3788	0.13 PPBV	99
99)	BENZYL CHLORIDE	16.15	91	4920	0.14 PPBV	94
100)	p-DICHLOROBENZENE	16.24	146	4083	0.14 PPBV	97
101)	sec-BUTYLBENZENE	16.29	134	1858	0.13 PPBV #	83
102)	p-ISOPROPYLTOLUENE	16.50	134	1721	0.12 PPBV #	76
103)	o-DICHLOROBENZENE	16.67	146	4144	0.15 PPBV	99
104)	n-BUTYLBENZENE	17.02	134	1201	0.11 PPBV	96
105)	HEXACHLOROETHANE	17.50	117	4293	0.19 PPBV	94
106)	HEXACHLOROBUTADIENE	19.36	225	2685	0.18 PPBV	96
107)	1,2,4-TRICHLOROBENZENE	18.78	180	1228	0.15 PPBV	98
108)	NAPHTHALENE	18.92	128	2713	0.16 PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50754.D M3W1928.M Tue Nov 03 17:17:09 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:47 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration



Manual Integration Approval Summary

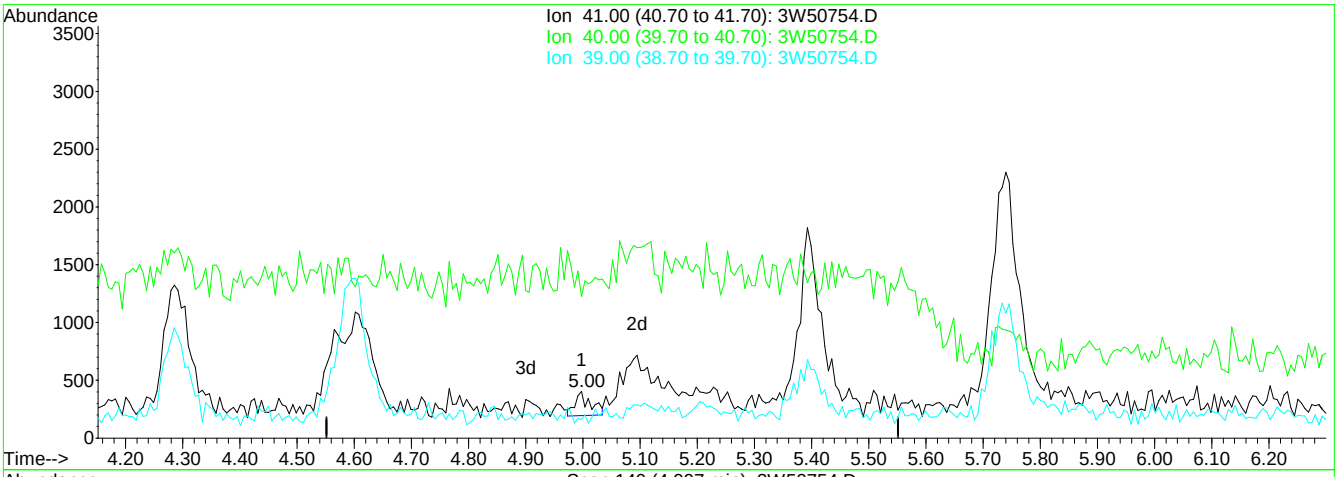
Sample Number:	V3W1928-IC1928	**Method:**	TO-15
Lab FileID:	3W50754.D	**Analyst approved:**	11/02/15 16:06 Youmin Hu
Injection Time:	10/31/15 02:51	**Supervisor approved:**	11/03/15 18:02 Jessica Reitan-Chu

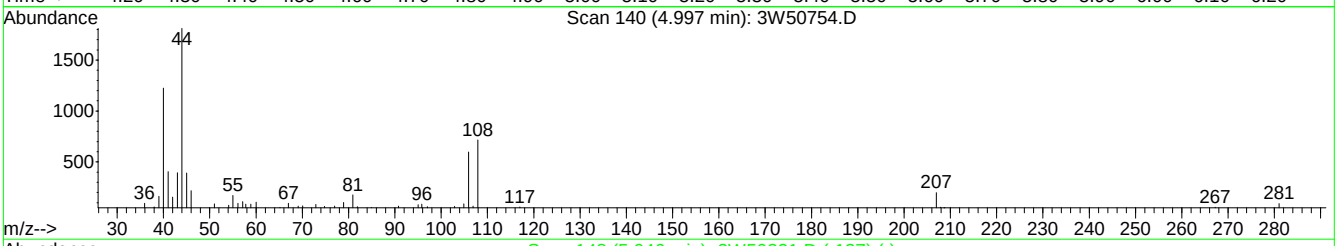
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		5.09	Missed peak
Tertiary Butyl Alcohol	75-65-0		5.73	Missed peak
1,4-Dioxane	123-91-1		9.52	Missed peak

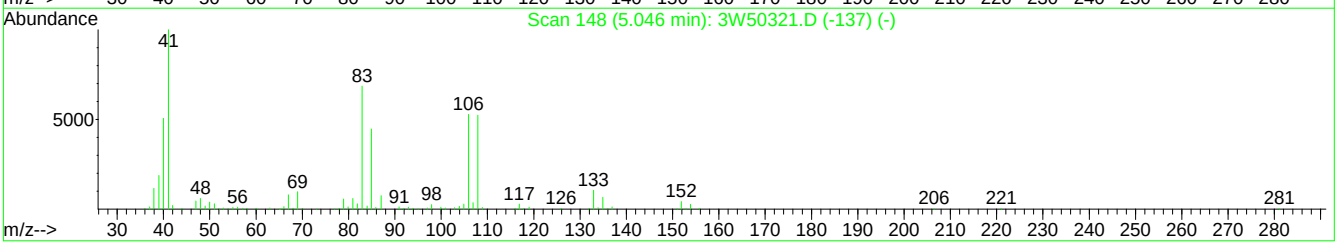
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:43 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(17) ACETONITRILE

5.00min 0.03PPBV

response 381

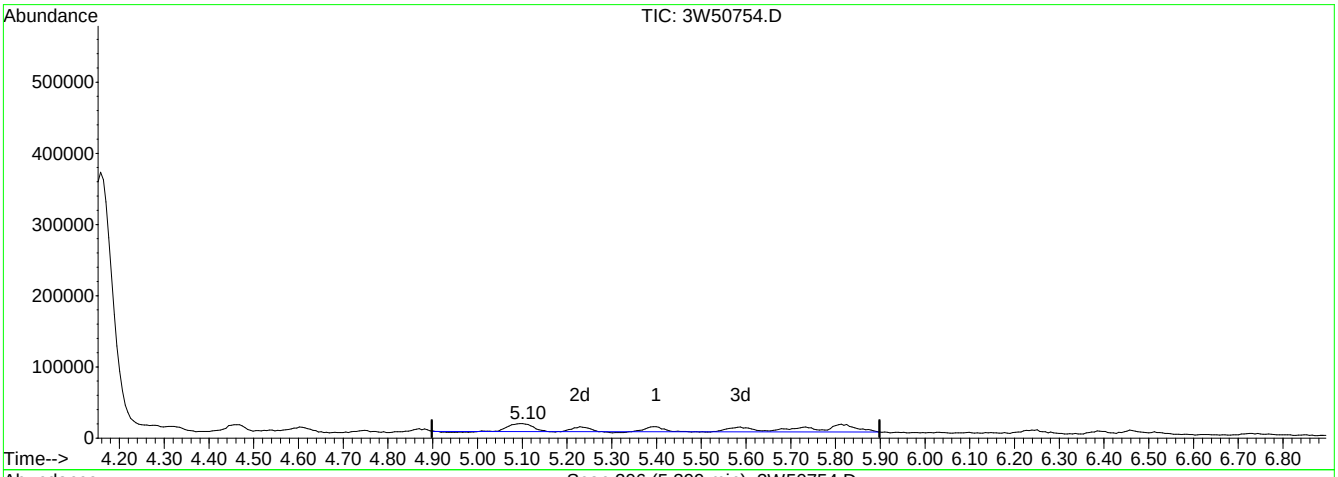
Ion	Exp%	Act%
41.00	100	100
40.00	52.70	0.00#
39.00	18.70	0.00#
0.00	0.00	0.00

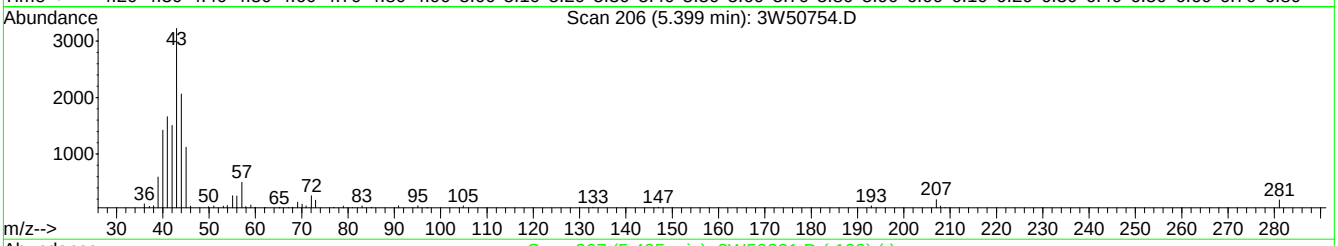
3W50754.D M3W1928.M Mon Nov 02 09:43:16 2015 MS3W

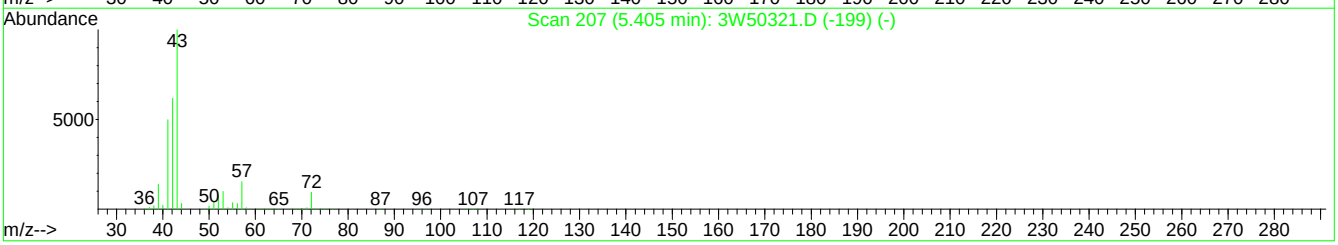
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:44 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 1.65PPBV m

response 184197

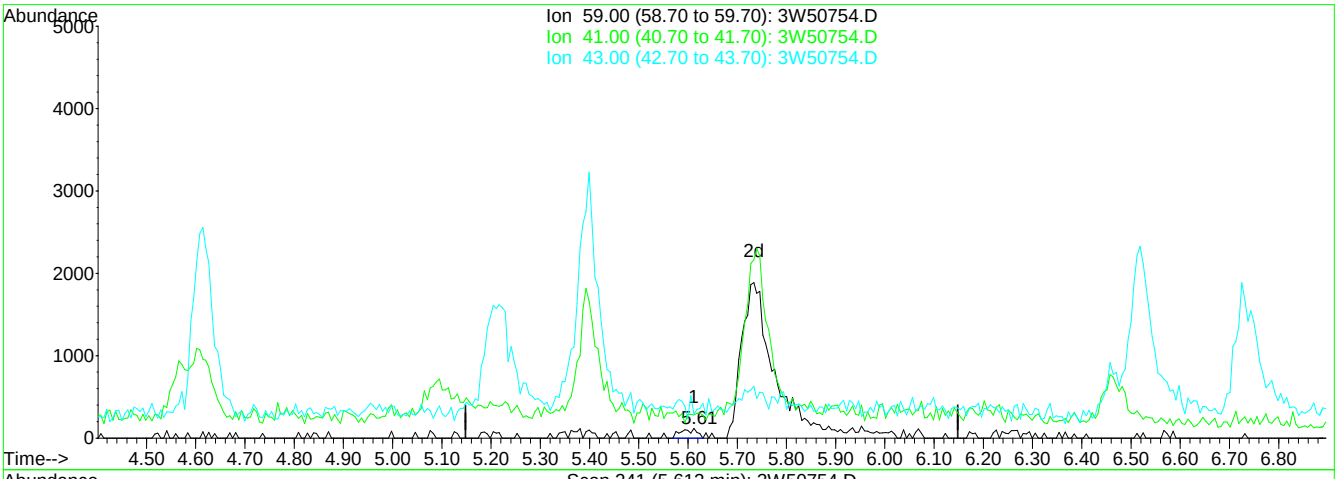
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.18#
0.00	2.00	0.14#
0.00	0.00	0.00

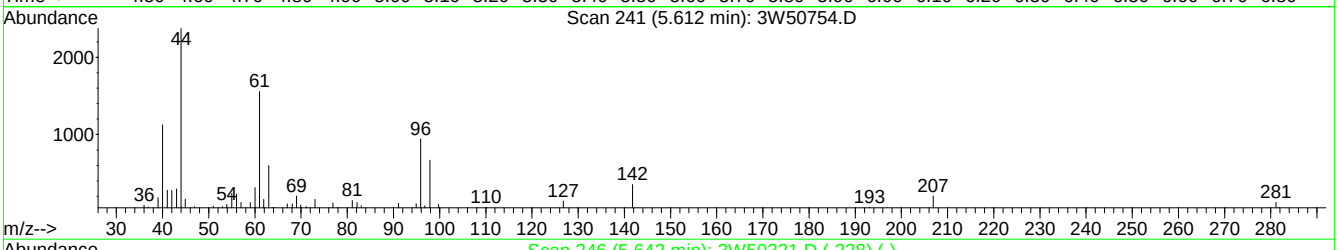
3W50754.D M3W1928.M Mon Nov 02 09:44:49 2015 MS3W

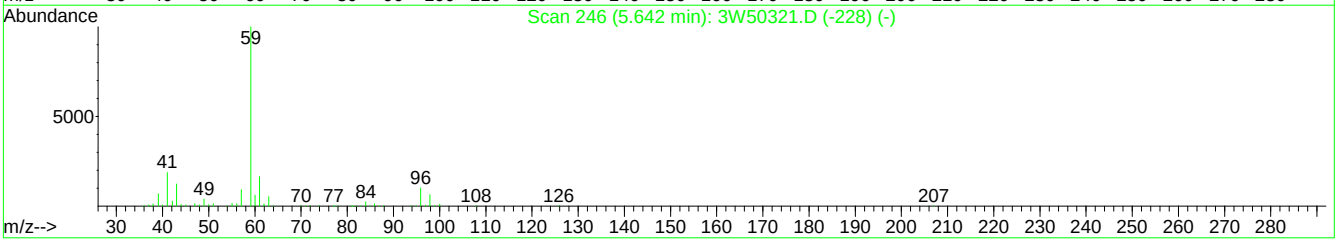
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:45 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(36) TERTIARY BUTYL ALCOHOL

5.61min 0.01PPBV

response 258

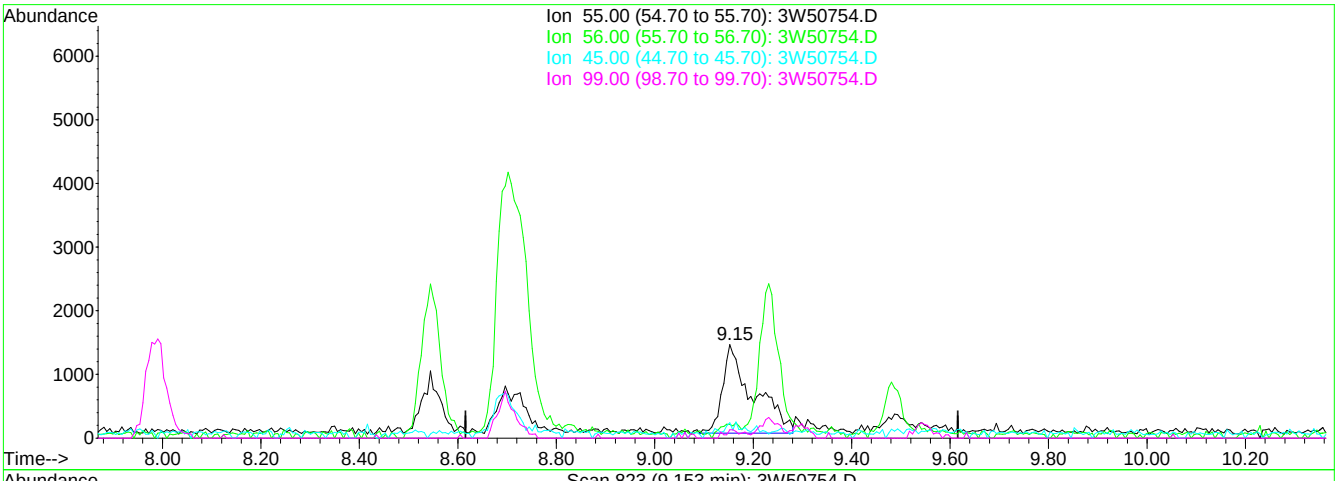
Ion	Exp%	Act%
59.00	100	100
41.00	17.60	93.02#
43.00	11.90	0.00
0.00	0.00	0.00

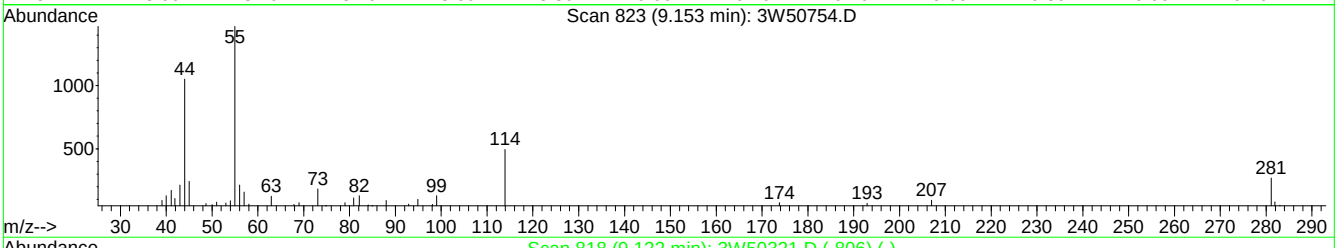
3W50754.D M3W1928.M Mon Nov 02 09:45:21 2015 MS3W

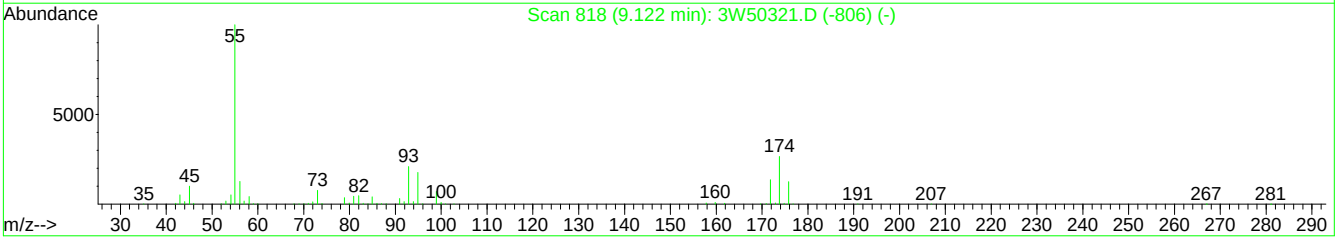
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:45 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(59) ETHYL ACRYLATE

9.15min 0.17PPBV

response 5997

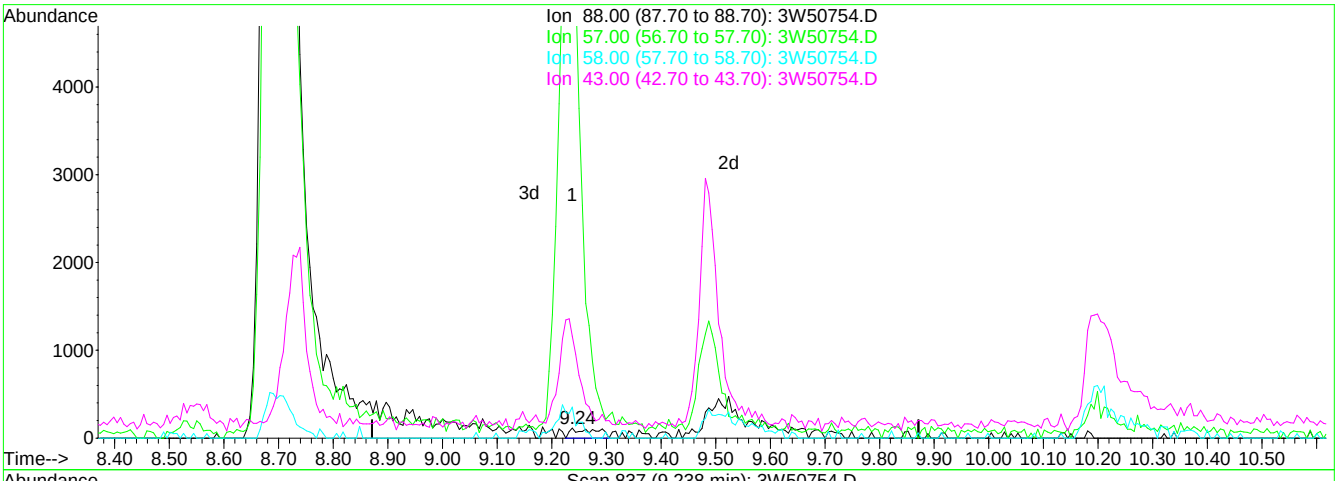
Ion	Exp%	Act%
55.00	100	100
56.00	12.00	10.69
45.00	9.80	5.69#
99.00	7.00	5.55#

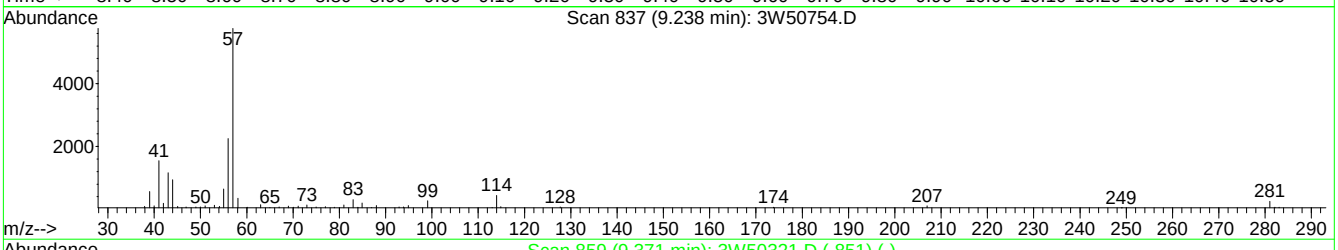
3W50754.D M3W1928.M Mon Nov 02 09:45:54 2015 MS3W

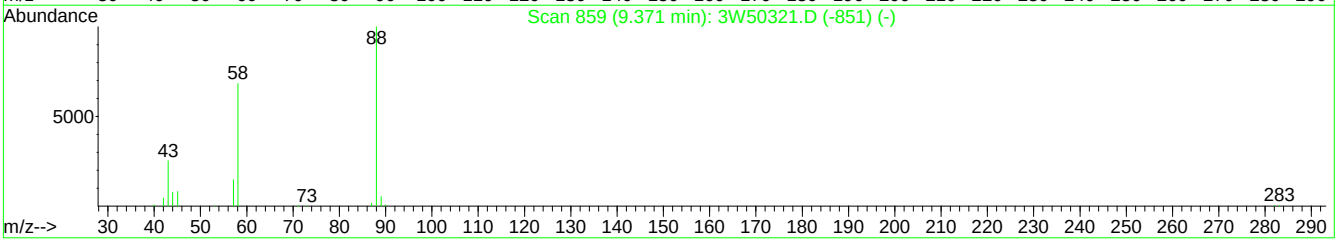
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:46 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(62) 1,4-DIOXANE

9.24min 0.03PPBV

response 361

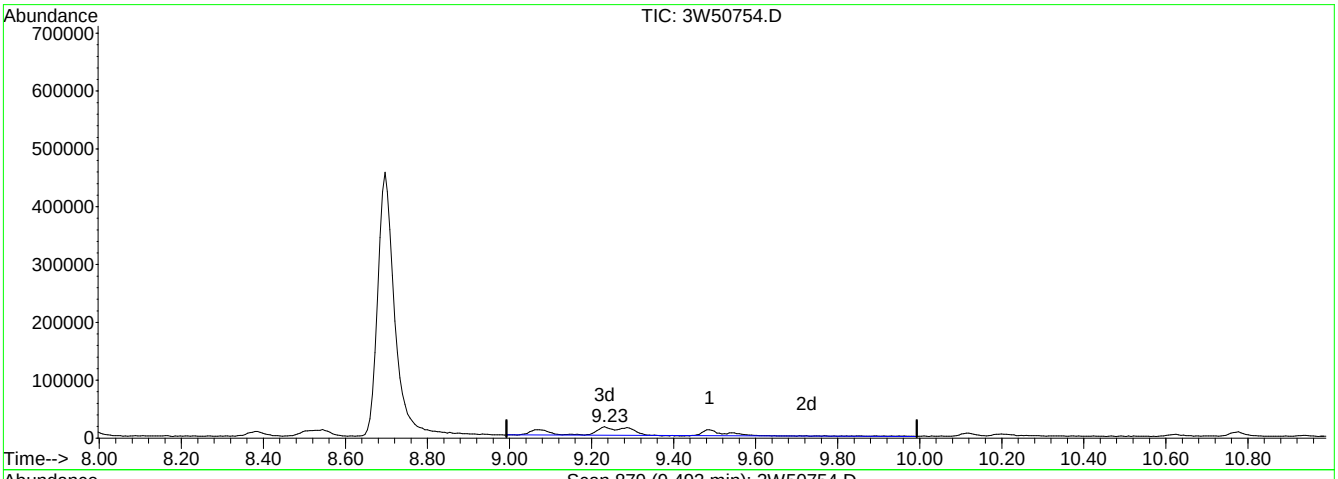
Ion	Exp%	Act%
88.00	100	100
57.00	26.40	5011.30#
58.00	69.10	306.09#
43.00	27.70	1008.70#

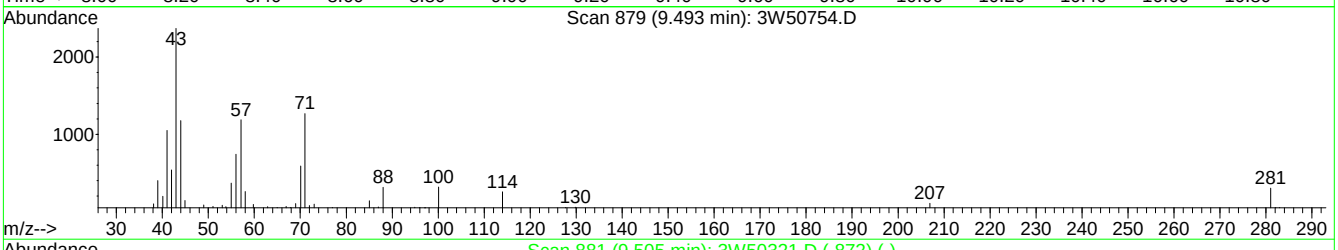
3W50754.D M3W1928.M Mon Nov 02 09:46:25 2015 MS3W

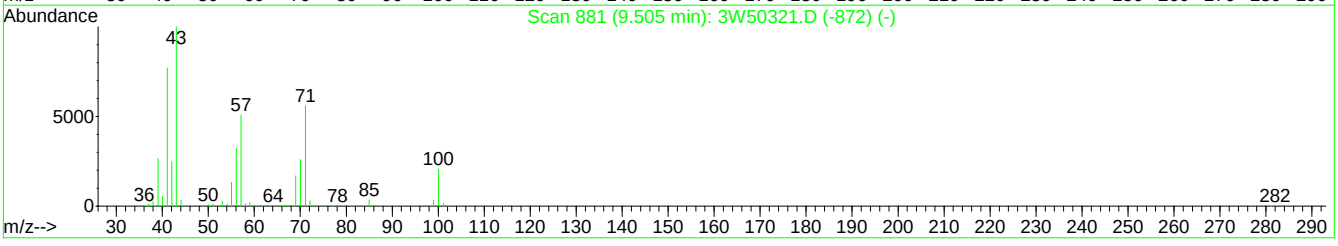
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:47 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 0.70PPBV m

response 151073

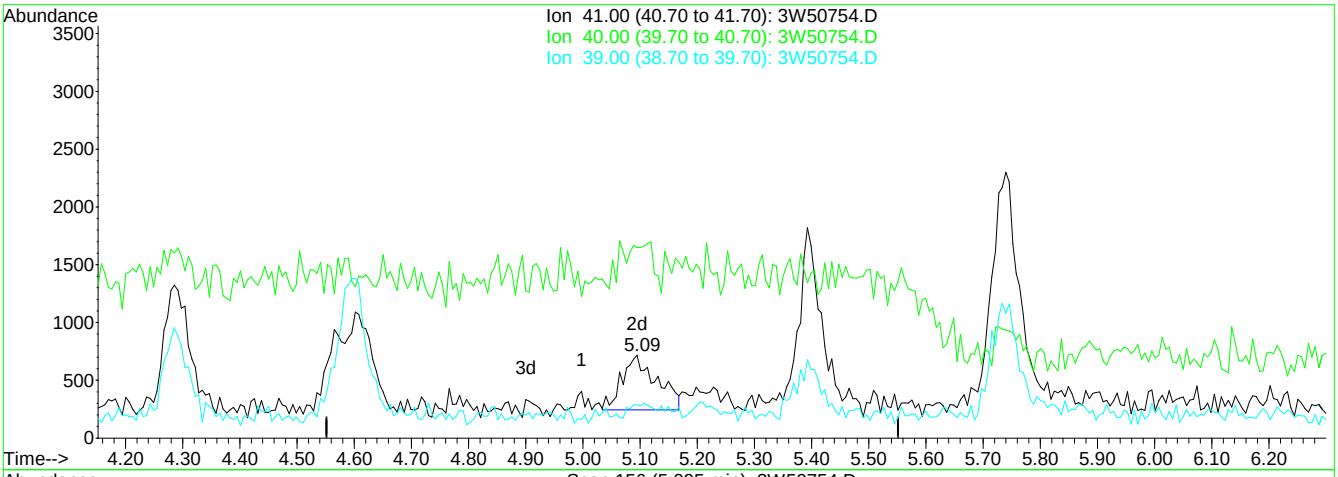
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.22#
0.00	1.00	0.17#
0.00	0.00	0.00

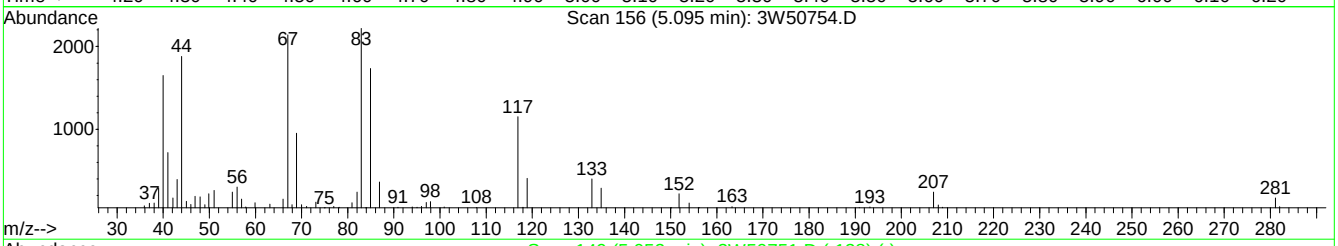
3W50754.D M3W1928.M Mon Nov 02 09:47:51 2015 MS3W

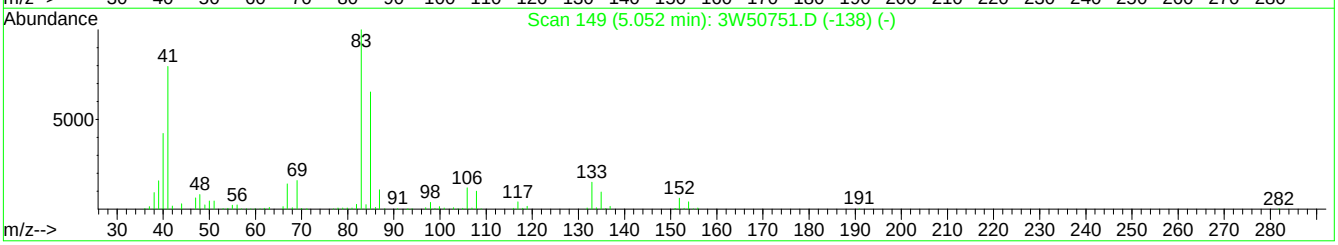
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:47 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(17) ACETONITRILE

5.09min 0.14PPBV m

response 1994

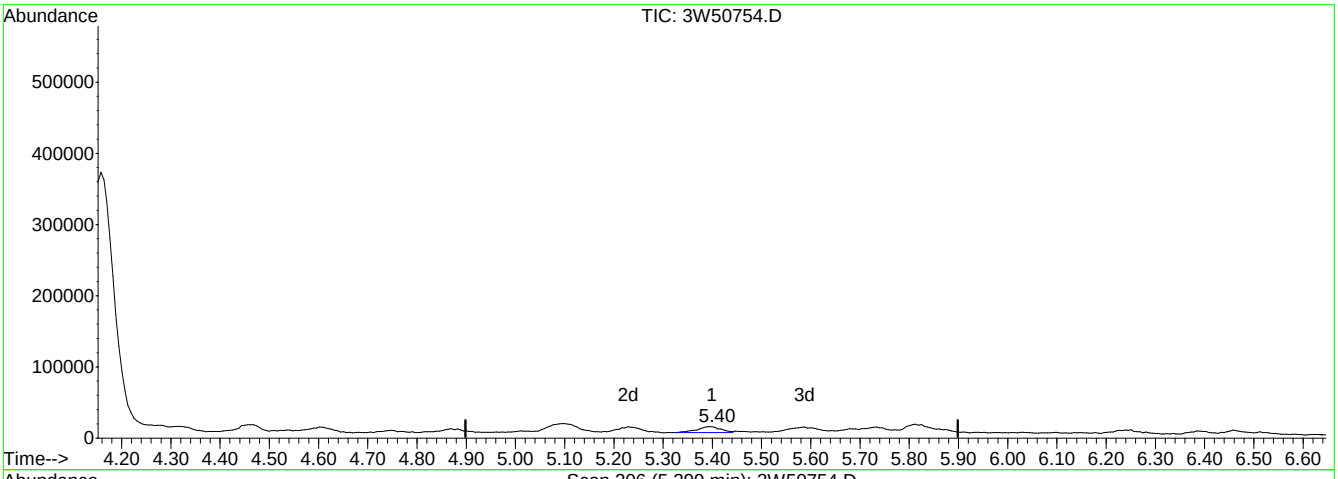
Ion	Exp%	Act%
41.00	100	100
40.00	52.70	0.00#
39.00	18.70	0.00#
0.00	0.00	0.00

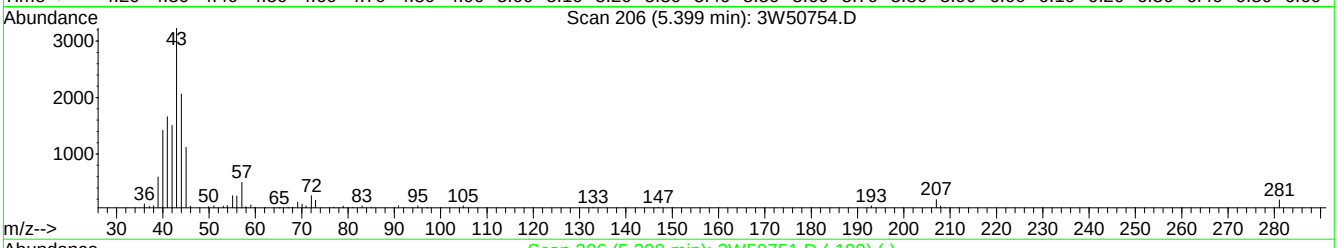
3W50754.D M3W1928.M Mon Nov 02 15:55:55 2015 MS3W

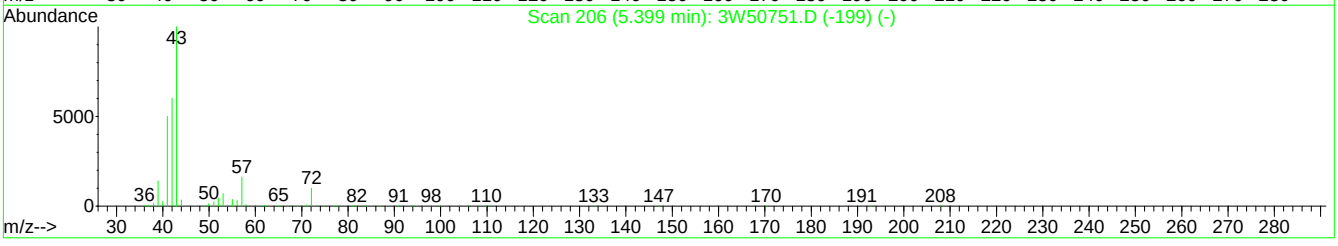
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:47 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 0.26PPBV m

response 28564

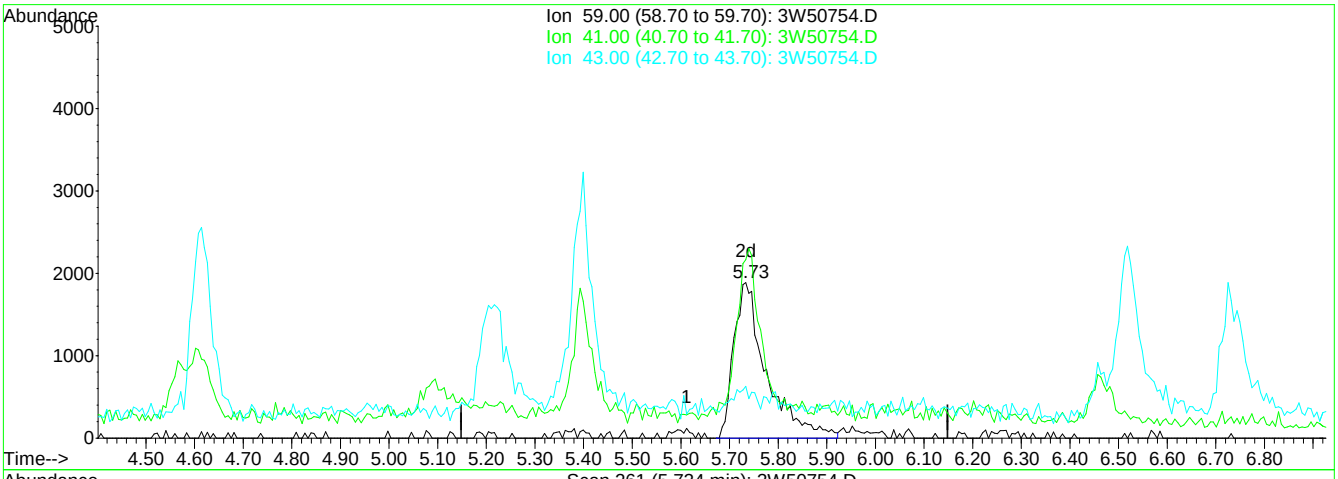
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	1.15#
0.00	2.00	0.91#
0.00	0.00	0.00

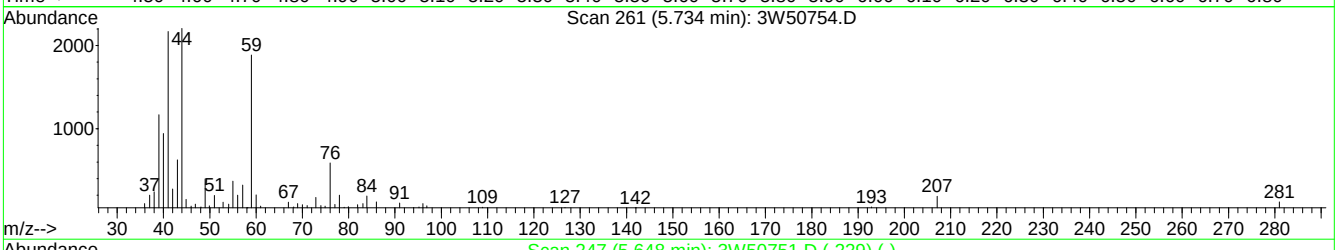
3W50754.D M3W1928.M Mon Nov 02 15:56:36 2015 MS3W

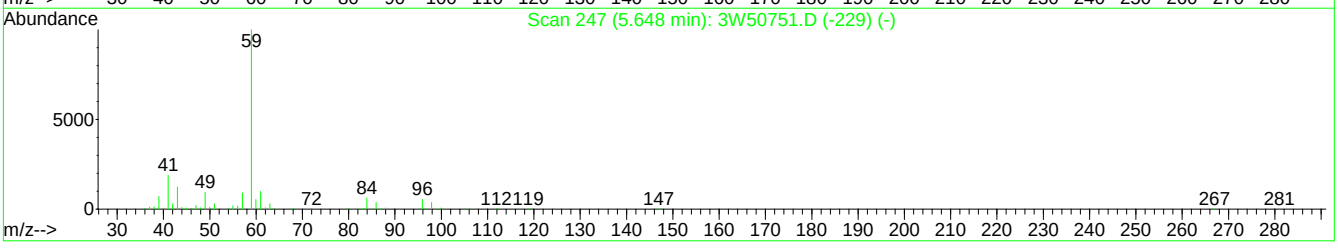
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:47 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(36) TERTIARY BUTYL ALCOHOL

5.73min 0.20PPBV m

response 8805

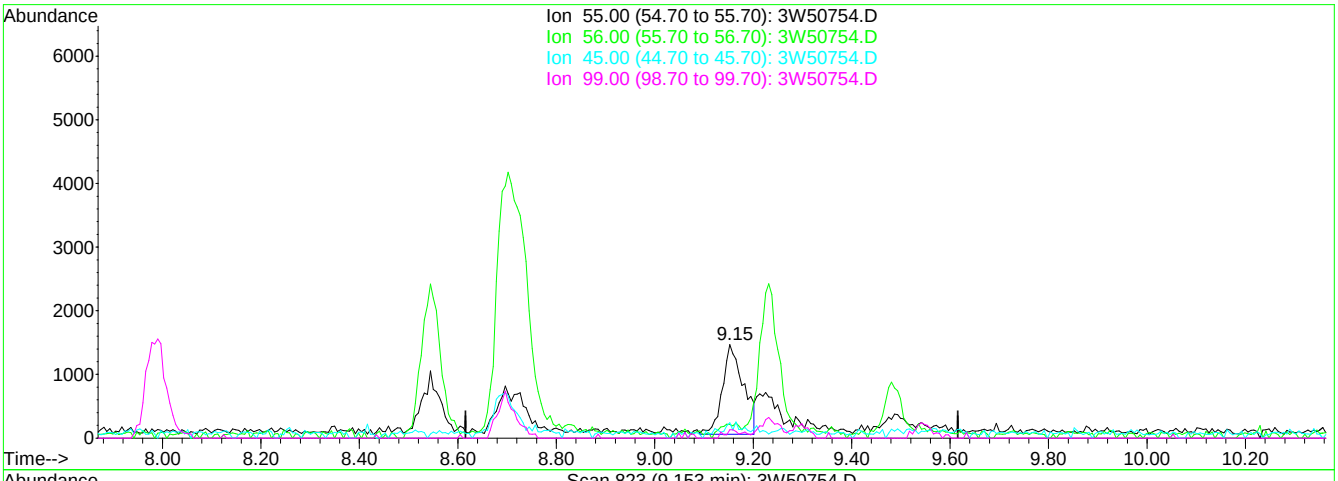
Ion	Exp%	Act%
59.00	100	100
41.00	17.60	2.73
43.00	11.90	0.00
0.00	0.00	0.00

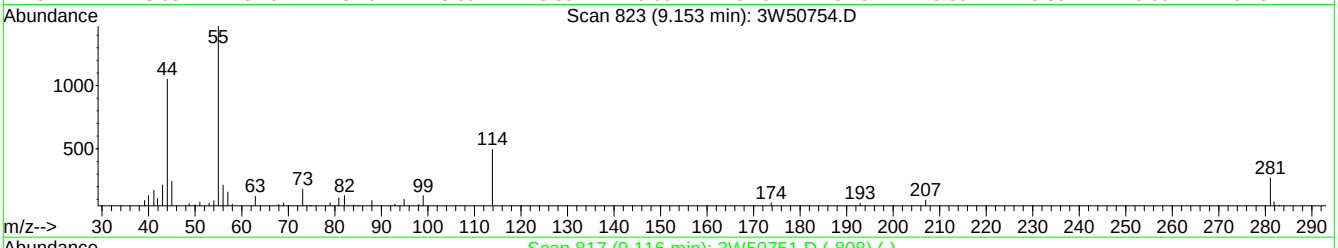
3W50754.D M3W1928.M Mon Nov 02 15:57:06 2015 MS3W

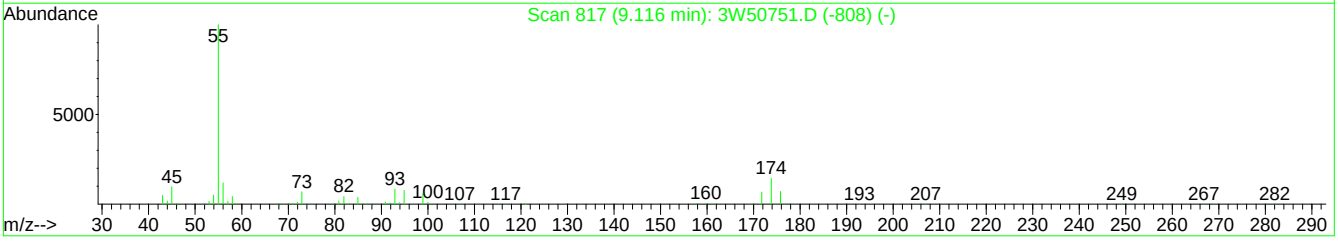
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:47 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(59) ETHYL ACRYLATE

9.15min 0.11PPBV m

response 4159

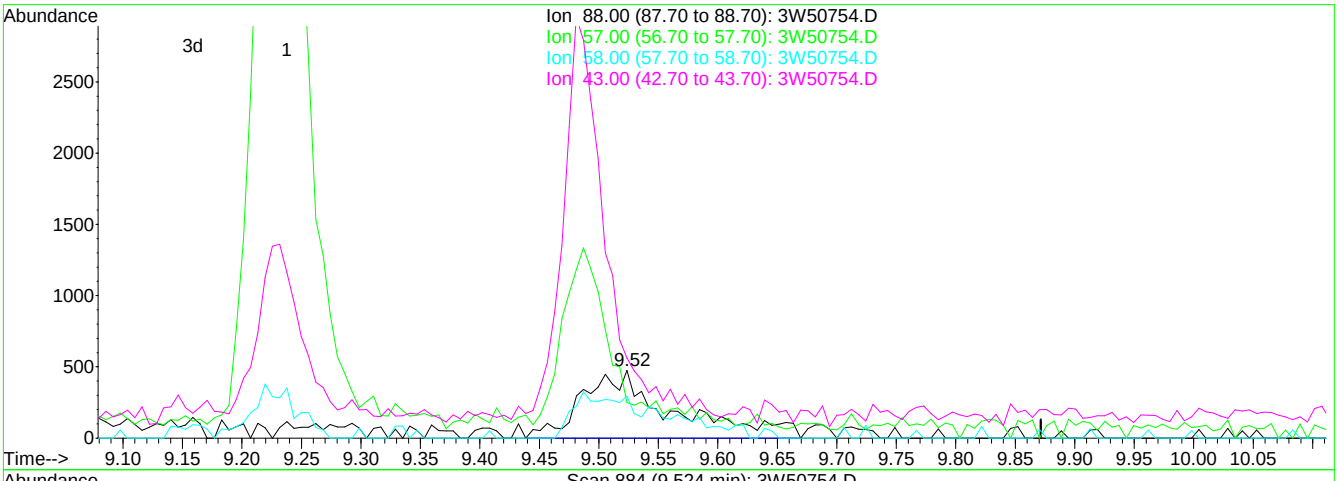
Ion	Exp%	Act%
55.00	100	100
56.00	12.00	15.41#
45.00	9.80	8.20
99.00	7.00	8.01

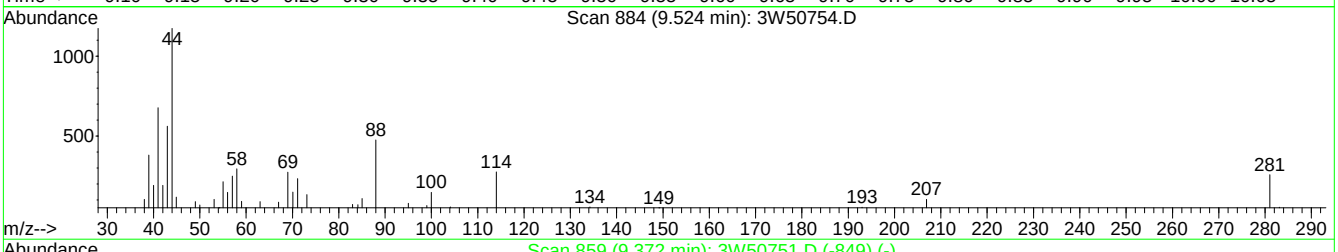
3W50754.D M3W1928.M Mon Nov 02 15:57:47 2015 MS3W

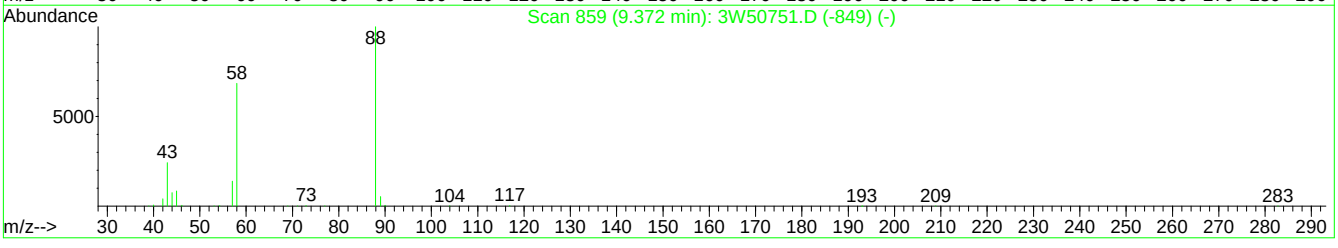
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:47 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(62) 1,4-DIOXANE

9.52min 0.21PPBV m

response 2491

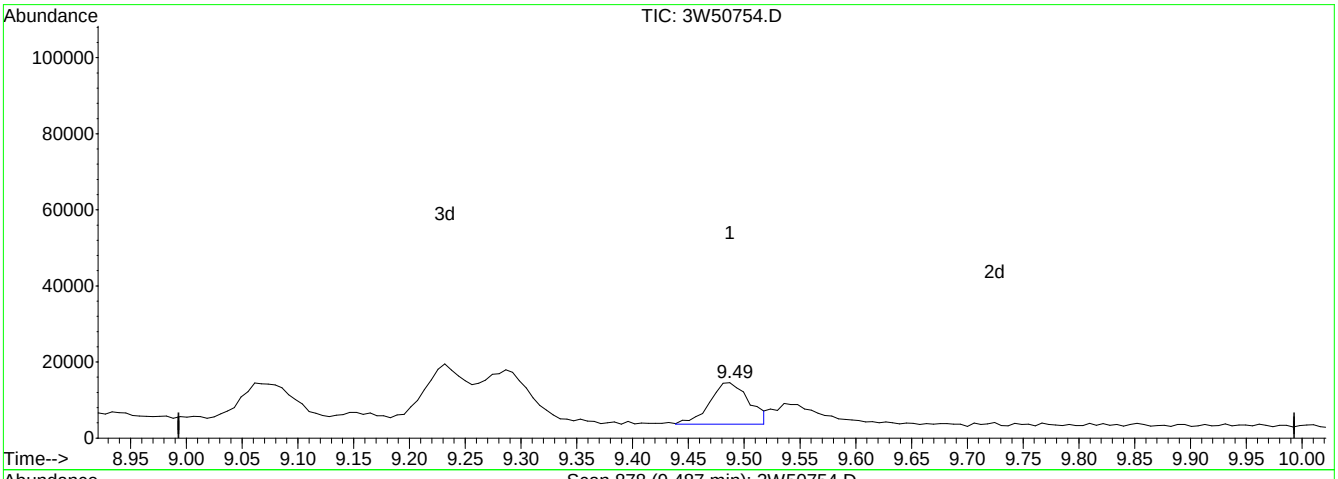
Ion	Exp%	Act%
88.00	100	100
57.00	26.40	52.21#
58.00	69.10	61.89
43.00	27.70	118.11#

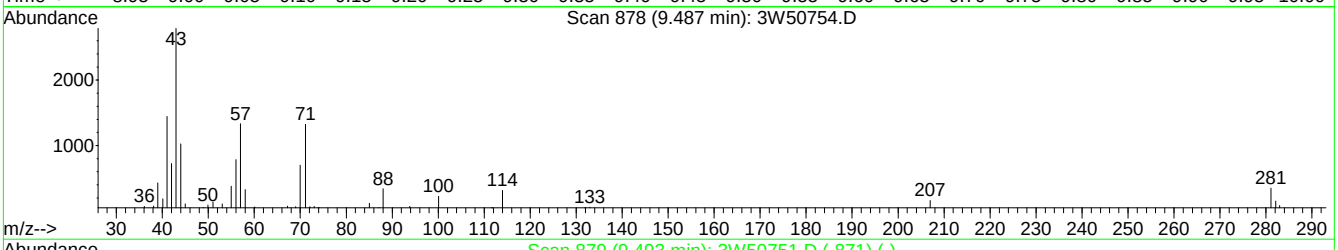
3W50754.D M3W1928.M Mon Nov 02 15:58:34 2015 MS3W

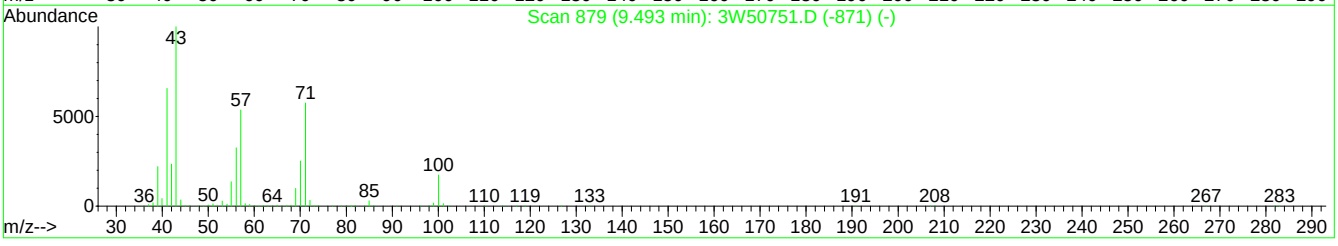
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50754.D Vial: 2
Acq On : 31 Oct 2015 2:51 am Operator: YOUMINH
Sample : IC1928-0.2 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:47 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50754.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 0.12PPBV m

response 26960

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.22#
0.00	1.00	0.96#
0.00	0.00	0.00

3W50754.D M3W1928.M Mon Nov 02 15:59:49 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50755.D Vial: 1
Acq On : 31 Oct 2015 3:33 am Operator: YOUMINH
Sample : IC1928-20 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:51:19 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.14	128	132623	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.71	114	670837	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.84	82	347894	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.47	95	390503	10.12	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.20%			
Target Compounds						Qvalue
4) FREON 152A	4.26	65	236108	18.94	PPBV	98
5) CHLORODIFLUOROMETHANE	4.28	67	85865	19.05	PPBV	99
6) DICHLORODIFLUOROMETHANE	4.33	85	827131	18.85	PPBV	100
7) PROPYLENE	4.29	41	302691	18.29	PPBV	99
9) FREON 114	4.46	85	958937	19.03	PPBV	99
10) CHLOROMETHANE	4.43	50	425361	18.74	PPBV	100
11) VINYL CHLORIDE	4.53	62	416530	18.85	PPBV	100
12) 1,3-BUTADIENE	4.60	54	308575	18.92	PPBV	99
13) n-BUTANE	4.62	43	592915	18.20	PPBV	99
14) BROMOMETHANE	4.75	94	358032	18.75	PPBV	99
15) CHLOROETHANE	4.83	64	215158	19.79	PPBV	97
16) DICHLOROFLUOROMETHANE	4.88	67	819536	19.27	PPBV	100
17) ACETONITRILE	5.05	41	306484	20.27	PPBV	99
18) FREON 123	5.08	83	928813	19.19	PPBV	99
19) FREON 123A	5.11	117	493513	19.82	PPBV	96
20) TRICHLOROFLUOROMETHANE	5.24	101	813253	19.02	PPBV	98
22) ISOPROPYL ALCOHOL	5.31	45	752118	18.92	PPBV	99
23) ACETONE	5.17	58	186778	19.87	PPBV	99
24) PENTANE	5.40	42	407087	18.81	PPBV	100
25) TVHC as EQUIV PENTANE	5.40	TIC	2289976m	19.19	PPBV	
26) IODOMETHANE	5.57	142	977954	19.40	PPBV	99
27) 1,1-DICHLOROETHYLENE	5.61	96	365437	19.47	PPBV	98
28) CARBON DISULFIDE	5.87	76	1059386	18.66	PPBV	100
29) ETHANOL	4.93	45	172444	18.86	PPBV	99
30) BROMOETHENE	5.02	106	363782	19.05	PPBV	99
31) ACRYLONITRILE	5.44	52	241217	20.00	PPBV	99
32) METHYLENE CHLORIDE	5.69	84	326795	19.40	PPBV	96
33) 3-CHLOROPROPENE	5.75	76	177532	19.64	PPBV	97
34) FREON 113	5.82	151	594186	19.54	PPBV	99
35) TRANS-1,2-DICHLOROETHYLENE	6.25	96	347015	19.96	PPBV	98
36) TERTIARY BUTYL ALCOHOL	5.65	59	897703	19.11	PPBV	100
37) METHYL TERTIARY BUTYL ETHE	6.41	73	1008738	19.31	PPBV	100
38) TETRAHYDROFURAN	7.54	72	191131	19.69	PPBV	100
39) HEXANE	7.07	57	608800	19.21	PPBV	99
40) VINYL ACETATE	6.51	86	82000	20.91	PPBV #	91
41) 1,1-DICHLOROETHANE	6.40	63	727649	19.20	PPBV	99
42) METHYL ETHYL KETONE	6.68	72	186444	20.01	PPBV	99
43) cis-1,2-DICHLOROETHYLENE	7.04	96	376762	19.79	PPBV	99
44) DIISOPROPYL ETHER	7.10	59	148385	19.63	PPBV #	94
45) ETHYL ACETATE	7.16	61	144017	20.97	PPBV #	89
46) METHYL ACRYLATE	7.18	55	669001	20.34	PPBV #	99
47) CHLOROFORM	7.23	83	734346	19.32	PPBV	99
48) 2,4-DIMETHYLPENTANE	7.75	57	757067	19.30	PPBV	100
49) 1,1,1-TRICHLOROETHANE	8.00	97	729402	19.36	PPBV	99
50) CARBON TETRACHLORIDE	8.52	117	742595	19.61	PPBV	99
51) 1,2-DICHLOROETHANE	7.80	62	432782	19.98	PPBV	100
53) BENZENE	8.39	78	1204453	19.64	PPBV	99
54) CYCLOHEXANE	8.56	84	610130	19.15	PPBV	99
55) 2,3-DIMETHYLPENTANE	8.74	71	280377	19.46	PPBV	95

(#) = qualifier out of range (m) = manual integration
3W50755.D M3W1928.M Tue Nov 03 17:17:11 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50755.D Vial: 1
Acq On : 31 Oct 2015 3:33 am Operator: YOUMINH
Sample : IC1928-20 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:51:19 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

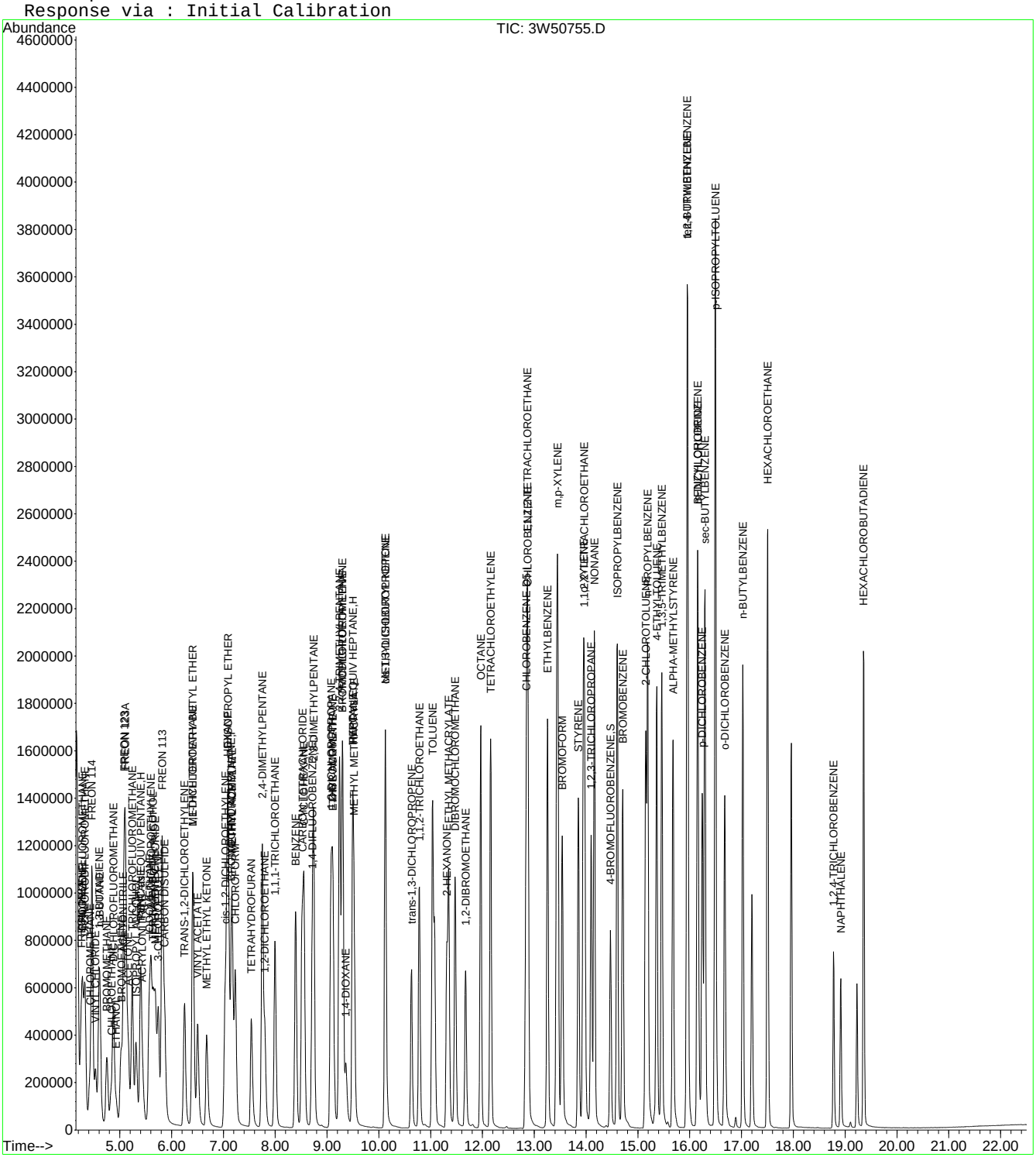
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
56)	TRICHLOROETHYLENE	9.30	95	480409	19.89	PPBV		100
57)	1,2-DICHLOROPROPANE	9.07	63	479452	19.63	PPBV		99
58)	DIBROMOMETHANE	9.10	174	439504	20.08	PPBV		100
59)	ETHYL ACRYLATE	9.12	55	849846	20.47	PPBV		100
60)	BROMODICHLOROMETHANE	9.29	83	805197	19.56	PPBV		99
61)	2,2,4-TRIMETHYLPENTANE	9.24	57	1953758	18.81	PPBV		100
62)	1,4-DIOXANE	9.37	88	268114	19.88	PPBV		98
63)	HEPTANE	9.49	43	728475	19.00	PPBV		98
64)	TVHC as EQUIV HEPTANE	9.50	TIC	4777303m	19.28	PPBV		
65)	METHYL METHACRYLATE	9.52	69	429552	20.20	PPBV		94
66)	METHYL ISOBUTYL KETONE	10.13	58	367395	20.00	PPBV		96
67)	cis-1,3-DICHLOROPROPENE	10.13	75	694255	20.20	PPBV		98
68)	TOLUENE	11.04	92	827990	20.21	PPBV		98
69)	trans-1,3-DICHLOROPROPENE	10.63	75	549110	20.92	PPBV		98
70)	1,1,2-TRICHLOROETHANE	10.78	83	421566	19.98	PPBV		99
72)	2-HEXANONE	11.31	58	487935	19.32	PPBV		98
73)	ETHYL METHACRYLATE	11.35	69	697727	19.39	PPBV		98
74)	TETRACHLOROETHYLENE	12.16	164	528166	19.12	PPBV		99
75)	DIBROMOCHLOROMETHANE	11.47	129	804054	19.19	PPBV		99
76)	1,2-DIBROMOETHANE	11.67	107	667258	19.64	PPBV		100
77)	OCTANE	11.97	43	968667	18.45	PPBV		97
78)	1,1,1,2-TETRACHLOROETHANE	12.86	131	598794	19.04	PPBV		100
79)	CHLOROBENZENE	12.88	112	1038009	19.35	PPBV		99
80)	ETHYLBENZENE	13.25	91	1700079	18.93	PPBV		99
81)	m,p-XYLENE	13.45	106	1324971	38.82	PPBV		97
82)	o-XYLENE	13.95	106	643898	19.52	PPBV		98
83)	STYRENE	13.85	104	958911	19.99	PPBV		100
84)	NONANE	14.16	43	962455	18.68	PPBV		98
85)	BROMOFORM	13.54	173	838743	19.82	PPBV		99
87)	1,1,2,2-TETRACHLOROETHANE	13.97	83	1017582	19.20	PPBV		100
88)	1,2,3-TRICHLOROPROPANE	14.10	75	760200	19.29	PPBV		100
89)	ISOPROPYLBENZENE	14.60	105	1833278	18.96	PPBV		98
90)	BROMOBENZENE	14.71	77	879813	19.78	PPBV		99
91)	2-CHLOROTOLUENE	15.15	126	464459	19.78	PPBV		99
92)	n-PROPYLBENZENE	15.19	120	486039	19.80	PPBV		99
93)	4-ETHYLTOLUENE	15.36	105	1641425	19.56	PPBV		99
94)	1,3,5-TRIMETHYLBENZENE	15.46	105	1427007	19.27	PPBV		98
95)	ALPHA-METHYLSTYRENE	15.68	118	714629	20.11	PPBV		100
96)	tert-BUTYLBENZENE	15.95	134	344442	20.19	PPBV		95
97)	1,2,4-TRIMETHYLBENZENE	15.96	105	1392823	19.74	PPBV		99
98)	m-DICHLOROBENZENE	16.15	146	846435	20.68	PPBV		98
99)	BENZYL CHLORIDE	16.16	91	1080386	21.31	PPBV		99
100)	p-DICHLOROBENZENE	16.24	146	851962	20.92	PPBV		100
101)	sec-BUTYLBENZENE	16.29	134	402816	20.10	PPBV	#	91
102)	p-ISOPROPYLTOLUENE	16.50	134	442179	20.67	PPBV		92
103)	o-DICHLOROBENZENE	16.68	146	813501	20.53	PPBV		100
104)	n-BUTYLBENZENE	17.02	134	354060	21.47	PPBV		93
105)	HEXACHLOROETHANE	17.50	117	642687	19.92	PPBV		99
106)	HEXACHLOROBUTADIENE	19.36	225	472448	21.84	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.78	180	307354	25.46	PPBV		99
108)	NAPHTHALENE	18.92	128	612702	25.08	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50755.D M3W1928.M Tue Nov 03 17:17:11 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50755.D Vial: 1
Acq On : 31 Oct 2015 3:33 am Operator: YOUMINH
Sample : IC1928-20 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:51 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

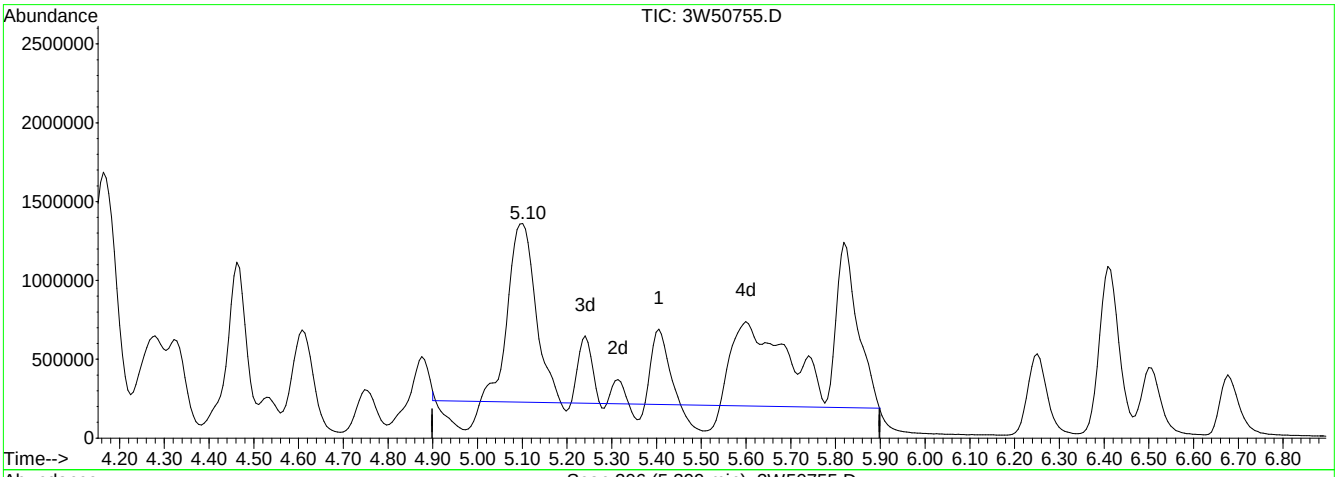


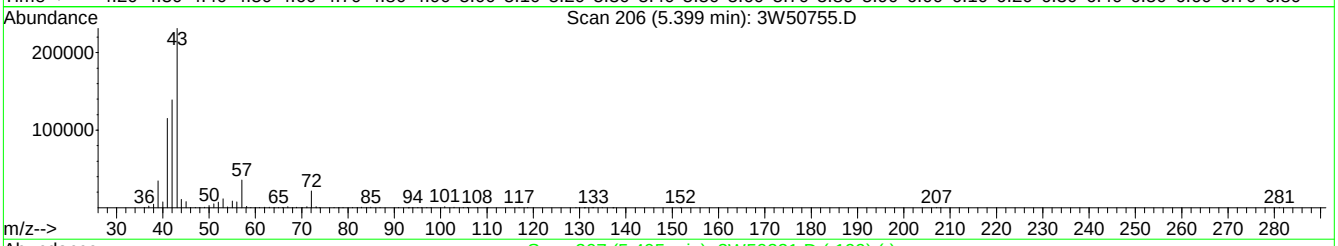
ACCUTEST LABORATORIES JC7272

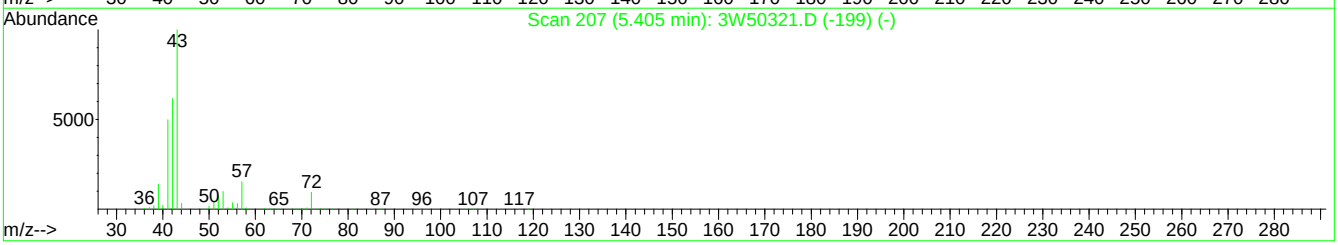
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50755.D Vial: 1
Acq On : 31 Oct 2015 3:33 am Operator: YOUMINH
Sample : IC1928-20 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:48 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50755.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 178.34PPBV m

response 21277277

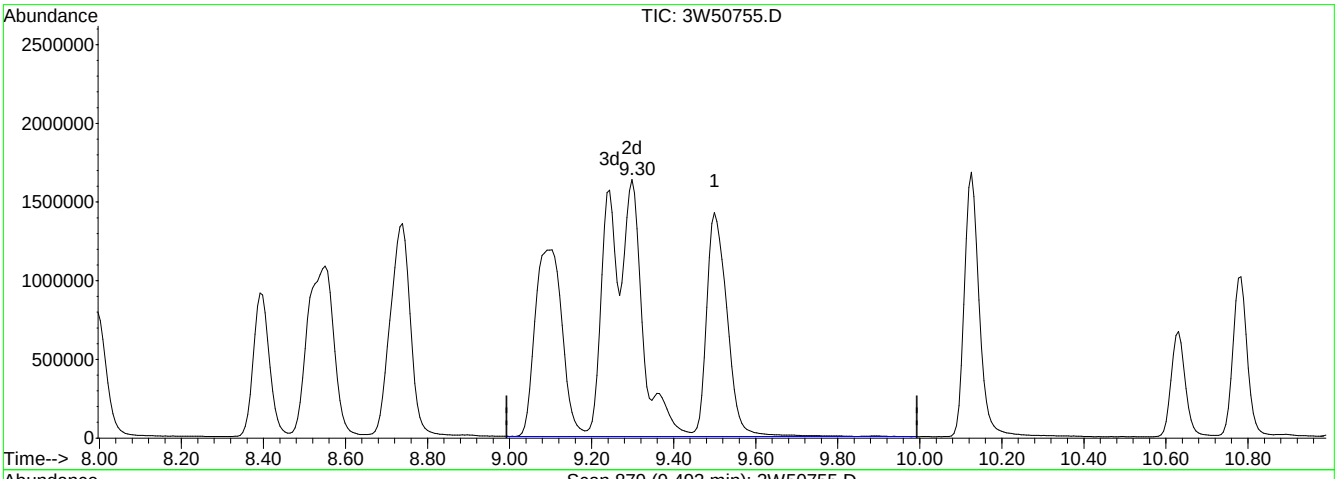
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.35#
0.00	2.00	0.31#
0.00	0.00	0.00

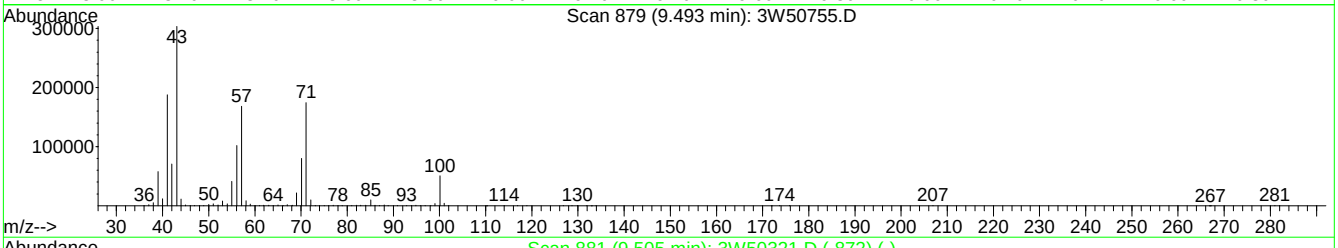
3W50755.D M3W1928.M Mon Nov 02 09:48:43 2015 MS3W

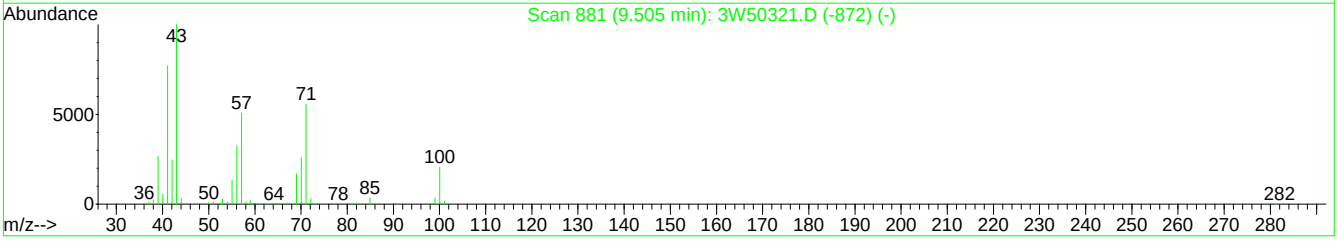
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50755.D Vial: 1
Acq On : 31 Oct 2015 3:33 am Operator: YOUMINH
Sample : IC1928-20 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:51 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50755.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 80.45PPBV m

response 19936907

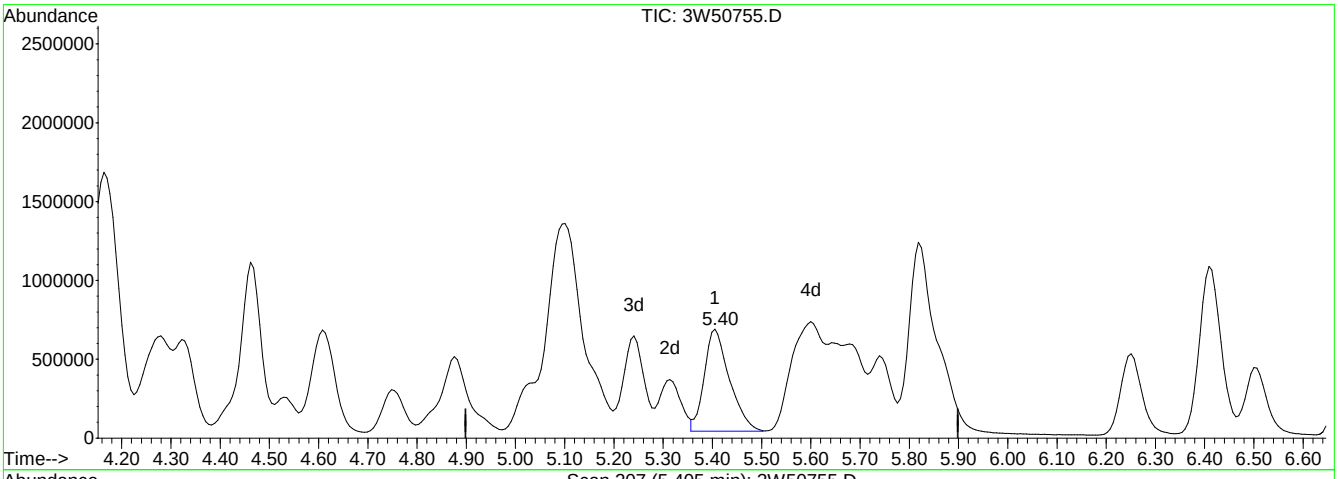
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.38#
0.00	1.00	0.33#
0.00	0.00	0.00

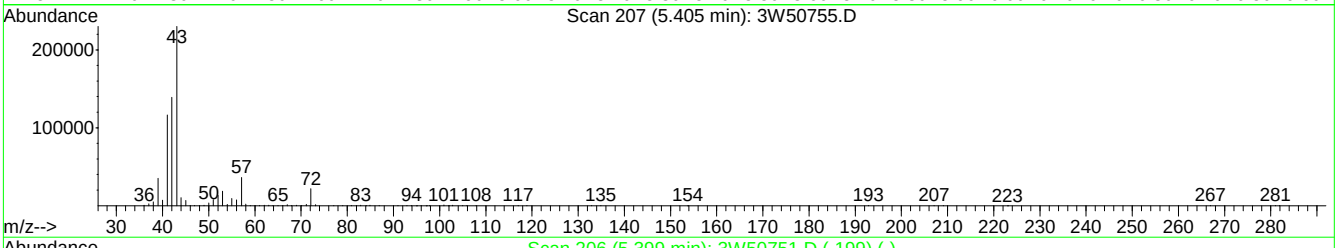
3W50755.D M3W1928.M Mon Nov 02 09:51:32 2015 MS3W

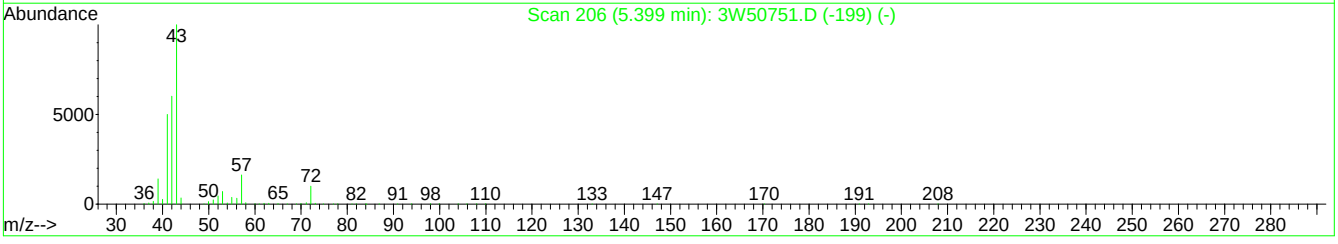
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50755.D Vial: 1
Acq On : 31 Oct 2015 3:33 am Operator: YOUMINH
Sample : IC1928-20 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:51 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50755.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 19.19PPBV m

response 2289976

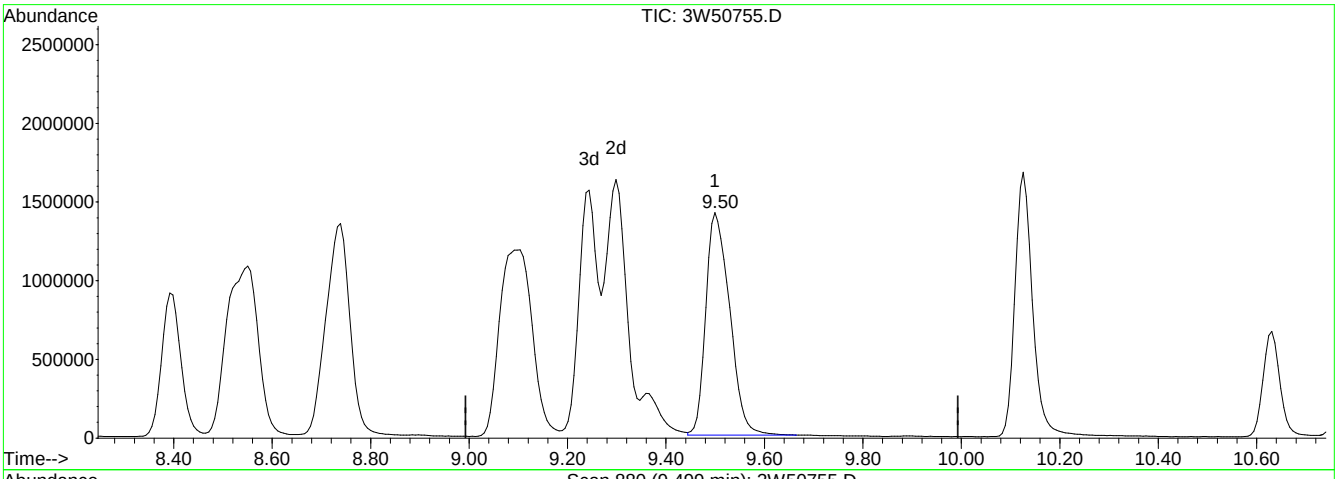
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	3.30#
0.00	2.00	2.87#
0.00	0.00	0.00

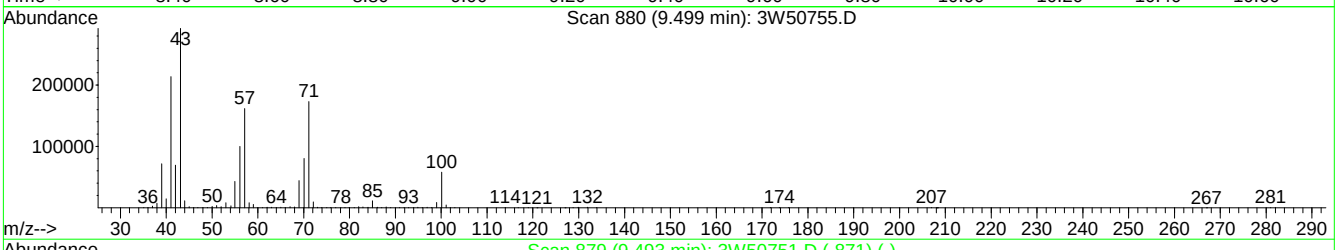
3W50755.D M3W1928.M Mon Nov 02 15:57:19 2015 MS3W

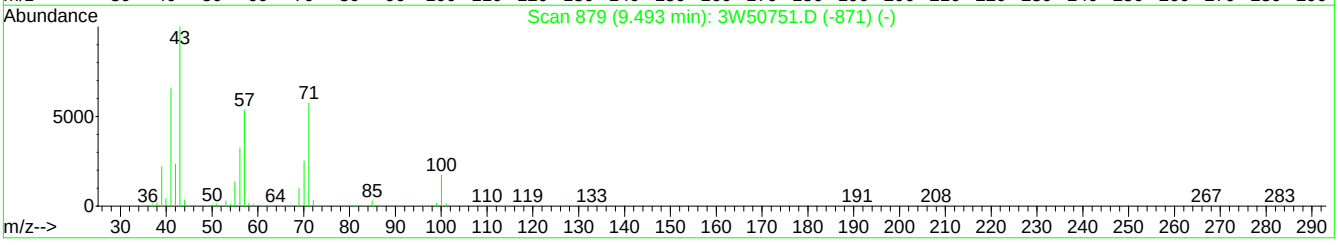
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50755.D Vial: 1
Acq On : 31 Oct 2015 3:33 am Operator: YOUMINH
Sample : IC1928-20 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:51 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50755.D

(64) TVHC as EQUIV HEPTANE (H)

9.50min 19.28PPBV m

response 4777303

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.58#
0.00	1.00	1.37#
0.00	0.00	0.00

3W50755.D M3W1928.M Mon Nov 02 15:58:06 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50756.D Vial: 1
Acq On : 31 Oct 2015 4:14 am Operator: YOUMINH
Sample : IC1928-15 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:45 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.14	128	146374	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.71	114	720381	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.83	82	363860	10.00	PPBV	0.00

System Monitoring Compounds

86) 4-BROMOFLUOROBENZENE	14.47	95	398064	9.86	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 98.60%

Target Compounds						Qvalue
4) FREON 152A	4.25	65	195109	14.18	PPBV	97
5) CHLORODIFLUOROMETHANE	4.27	67	68820	13.83	PPBV	95
6) DICHLORODIFLUOROMETHANE	4.33	85	671396	13.86	PPBV	99
7) PROPYLENE	4.29	41	251076	13.75	PPBV	99
9) FREON 114	4.46	85	758119	13.63	PPBV	98
10) CHLOROMETHANE	4.42	50	342190	13.66	PPBV	100
11) VINYL CHLORIDE	4.53	62	331124	13.58	PPBV	99
12) 1,3-BUTADIENE	4.60	54	242254	13.46	PPBV	99
13) n-BUTANE	4.61	43	471792	13.12	PPBV	98
14) BROMOMETHANE	4.75	94	286582	13.60	PPBV	99
15) CHLOROETHANE	4.83	64	169277	14.11	PPBV	98
16) DICHLOROFLUOROMETHANE	4.88	67	646665	13.78	PPBV	100
17) ACETONITRILE	5.05	41	240349	14.40	PPBV	99
18) FREON 123	5.08	83	743489	13.92	PPBV	100
19) FREON 123A	5.11	117	392042	14.26	PPBV	96
20) TRICHLOROFLUOROMETHANE	5.23	101	657406	13.93	PPBV	98
22) ISOPROPYL ALCOHOL	5.31	45	613557	13.99	PPBV	99
23) ACETONE	5.16	58	148031	14.27	PPBV	98
24) PENTANE	5.40	42	330450	13.83	PPBV	100
25) TVHC as EQUIV PENTANE	5.40	TIC	1855813m	14.09	PPBV	
26) IODOMETHANE	5.56	142	786746	14.14	PPBV	99
27) 1,1-DICHLOROETHYLENE	5.60	96	294190	14.20	PPBV	99
28) CARBON DISULFIDE	5.86	76	863874	13.79	PPBV	99
29) ETHANOL	4.92	45	135496	13.43	PPBV	98
30) BROMOETHENE	5.02	106	290453	13.78	PPBV	98
31) ACRYLONITRILE	5.44	52	194159	14.59	PPBV	99
32) METHYLENE CHLORIDE	5.68	84	263792	14.19	PPBV	100
33) 3-CHLOROPROPENE	5.74	76	142590	14.29	PPBV	99
34) FREON 113	5.81	151	473719	14.11	PPBV	100
35) TRANS-1,2-DICHLOROETHYLENE	6.24	96	277412	14.46	PPBV	100
36) TERTIARY BUTYL ALCOHOL	5.65	59	729155	14.06	PPBV	100
37) METHYL TERTIARY BUTYL ETHE	6.41	73	810996	14.07	PPBV	99
38) TETRAHYDROFURAN	7.54	72	153082	14.29	PPBV	99
39) HEXANE	7.07	57	491538	14.05	PPBV	100
40) VINYL ACETATE	6.50	86	63959	14.77	PPBV #	95
41) 1,1-DICHLOROETHANE	6.40	63	589068	14.08	PPBV	99
42) METHYL ETHYL KETONE	6.67	72	145946	14.19	PPBV	99
43) cis-1,2-DICHLOROETHYLENE	7.03	96	299152	14.24	PPBV	99
44) DIISOPROPYL ETHER	7.09	59	119703	14.35	PPBV #	95
45) ETHYL ACETATE	7.16	61	108538	14.32	PPBV	99
46) METHYL ACRYLATE	7.17	55	530835	14.62	PPBV #	100
47) CHLOROFORM	7.22	83	589879	14.06	PPBV	99
48) 2,4-DIMETHYLPENTANE	7.75	57	611966	14.13	PPBV	99
49) 1,1,1-TRICHLOROETHANE	7.99	97	583668	14.04	PPBV	100
50) CARBON TETRACHLORIDE	8.51	117	591756	14.16	PPBV	99
51) 1,2-DICHLOROETHANE	7.80	62	346688	14.50	PPBV	100
53) BENZENE	8.39	78	953180	14.47	PPBV	100
54) CYCLOHEXANE	8.55	84	487566	14.25	PPBV	99
55) 2,3-DIMETHYLPENTANE	8.74	71	221539	14.32	PPBV	98

(#) = qualifier out of range (m) = manual integration
3W50756.D M3W1928.M Tue Nov 03 17:17:13 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50756.D Vial: 1
Acq On : 31 Oct 2015 4:14 am Operator: YOUMINH
Sample : IC1928-15 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:45 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

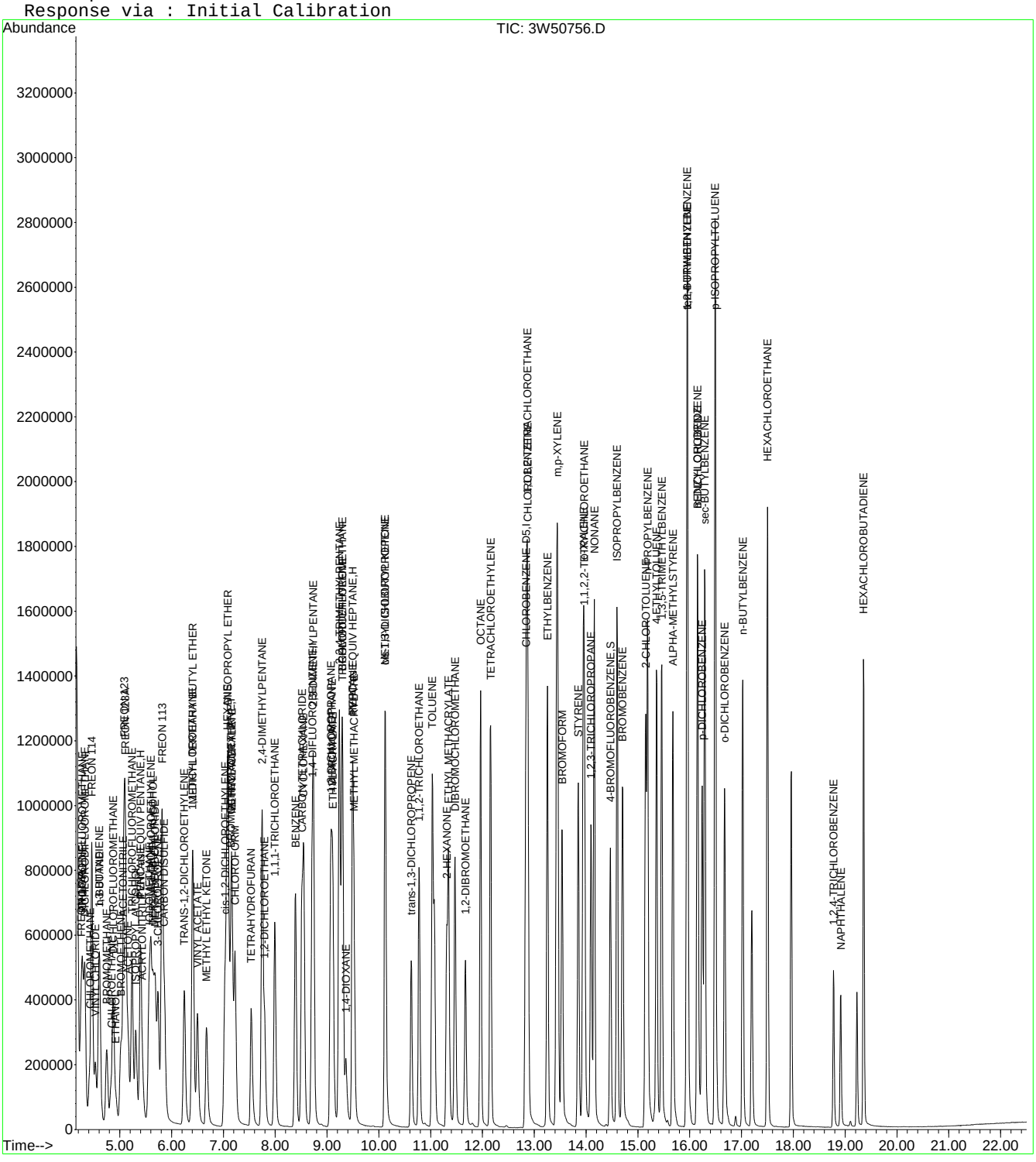
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	TRICHLOROETHYLENE	9.30	95	374088	14.42	PPBV	99
57)	1,2-DICHLOROPROPANE	9.07	63	382566	14.59	PPBV	100
58)	DIBROMOMETHANE	9.10	174	339167	14.43	PPBV	100
59)	ETHYL ACRYLATE	9.12	55	659209	14.79	PPBV	100
60)	BROMODICHLOROMETHANE	9.29	83	631395	14.28	PPBV	99
61)	2,2,4-TRIMETHYLPENTANE	9.24	57	1583749	14.20	PPBV	100
62)	1,4-DIOXANE	9.37	88	205856	14.21	PPBV	99
63)	HEPTANE	9.49	43	590497	14.34	PPBV	99
64)	TVHC as EQUIV HEPTANE	9.49	TIC	3870524m	14.54	PPBV	
65)	METHYL METHACRYLATE	9.52	69	333489	14.60	PPBV	98
66)	METHYL ISOBUTYL KETONE	10.13	58	285395	14.47	PPBV	99
67)	cis-1,3-DICHLOROPROPENE	10.12	75	540030	14.63	PPBV	99
68)	TOLUENE	11.03	92	640940	14.57	PPBV	99
69)	trans-1,3-DICHLOROPROPENE	10.62	75	419406	14.88	PPBV	99
70)	1,1,2-TRICHLOROETHANE	10.78	83	326070	14.39	PPBV	99
72)	2-HEXANONE	11.31	58	373125	14.13	PPBV	100
73)	ETHYL METHACRYLATE	11.35	69	537050	14.27	PPBV	100
74)	TETRACHLOROETHYLENE	12.16	164	405854	14.05	PPBV	99
75)	DIBROMOCHLOROMETHANE	11.47	129	618858	14.12	PPBV	99
76)	1,2-DIBROMOETHANE	11.67	107	509380	14.33	PPBV	100
77)	OCTANE	11.96	43	768170	13.99	PPBV	99
78)	1,1,1,2-TETRACHLOROETHANE	12.86	131	460019	13.98	PPBV	100
79)	CHLOROBENZENE	12.88	112	791912	14.11	PPBV	100
80)	ETHYLBENZENE	13.25	91	1315042	14.00	PPBV	99
81)	m,p-XYLENE	13.44	106	1007193	28.22	PPBV	100
82)	o-XYLENE	13.95	106	485400	14.07	PPBV	100
83)	STYRENE	13.85	104	713352	14.22	PPBV	99
84)	NONANE	14.16	43	750423	13.93	PPBV	99
85)	BROMOFORM	13.54	173	632082	14.28	PPBV	99
87)	1,1,2,2-TETRACHLOROETHANE	13.97	83	776984	14.02	PPBV	100
88)	1,2,3-TRICHLOROPROPANE	14.09	75	583185	14.15	PPBV	100
89)	ISOPROPYLBENZENE	14.60	105	1412721	13.97	PPBV	99
90)	BROMOBENZENE	14.70	77	668679	14.38	PPBV	99
91)	2-CHLOROTOLUENE	15.15	126	350016	14.25	PPBV	99
92)	n-PROPYLBENZENE	15.19	120	362809	14.13	PPBV	99
93)	4-ETHYLTOLUENE	15.36	105	1243306	14.17	PPBV	100
94)	1,3,5-TRIMETHYLBENZENE	15.46	105	1088305	14.05	PPBV	100
95)	ALPHA-METHYLSTYRENE	15.67	118	535522	14.41	PPBV	99
96)	tert-BUTYLBENZENE	15.95	134	253642	14.22	PPBV	98
97)	1,2,4-TRIMETHYLBENZENE	15.96	105	1048614	14.21	PPBV	99
98)	m-DICHLOROBENZENE	16.15	146	624791	14.59	PPBV	100
99)	BENZYL CHLORIDE	16.15	91	785522	14.82	PPBV	100
100)	p-DICHLOROBENZENE	16.24	146	621327	14.59	PPBV	99
101)	sec-BUTYLBENZENE	16.29	134	295394	14.10	PPBV	98
102)	p-ISOPROPYLTOLUENE	16.50	134	324799	14.52	PPBV	95
103)	o-DICHLOROBENZENE	16.67	146	597104	14.41	PPBV	100
104)	n-BUTYLBENZENE	17.02	134	253549	14.70	PPBV	98
105)	HEXACHLOROETHANE	17.50	117	478986	14.19	PPBV	100
106)	HEXACHLOROBUTADIENE	19.35	225	331114	14.63	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.78	180	203297	16.10	PPBV	98
108)	NAPHTHALENE	18.92	128	408025	15.97	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50756.D M3W1928.M Tue Nov 03 17:17:14 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50756.D Vial: 1
Acq On : 31 Oct 2015 4:14 am Operator: YOUMINH
Sample : IC1928-15 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:03 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

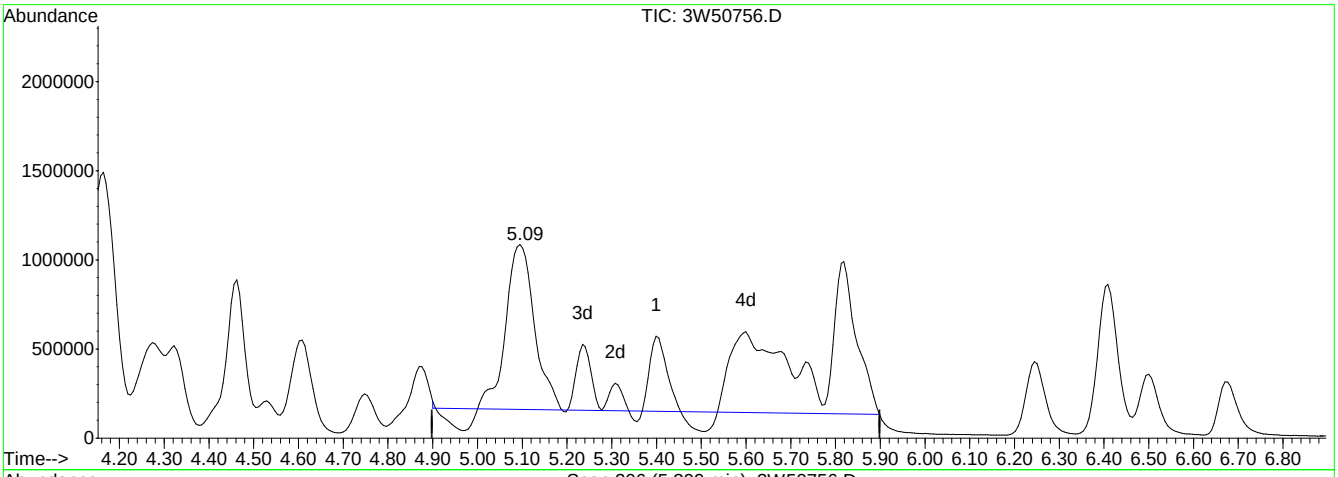


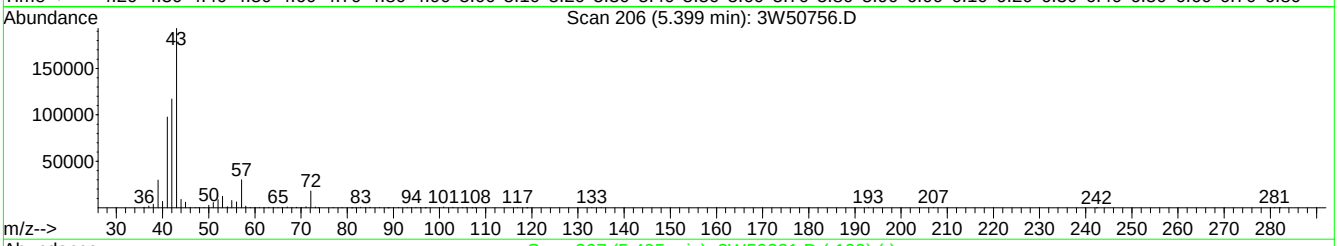
ACCUTEST LABORATORIES JC7272

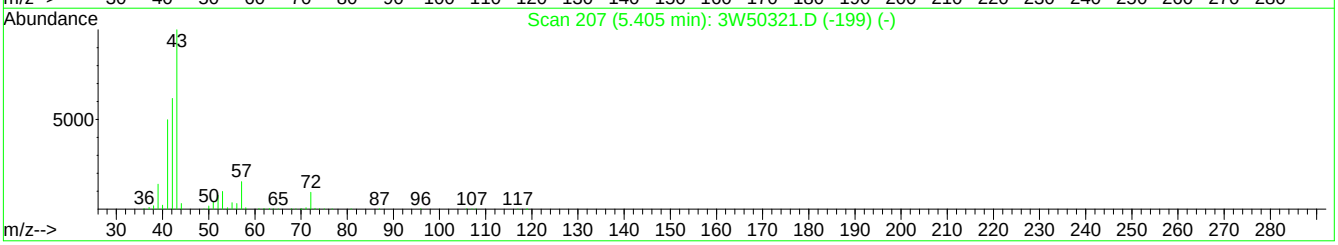
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50756.D Vial: 1
Acq On : 31 Oct 2015 4:14 am Operator: YOUMINH
Sample : IC1928-15 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:49 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50756.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 130.27PPBV m

response 17154585

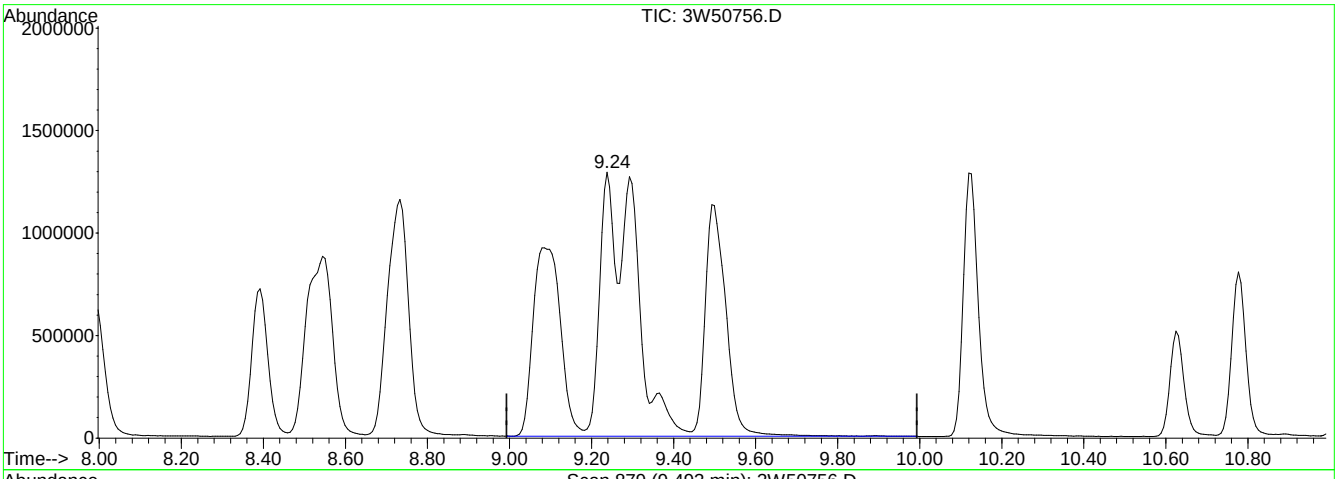
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.29#
0.00	2.00	0.25#
0.00	0.00	0.00

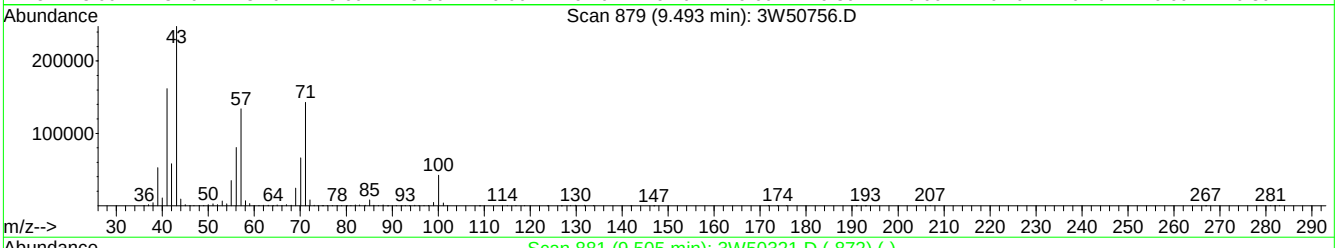
3W50756.D M3W1928.M Mon Nov 02 09:50:14 2015 MS3W

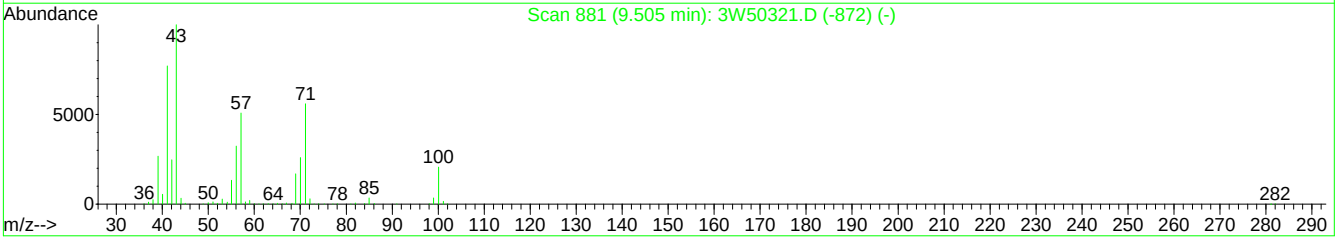
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50756.D Vial: 1
Acq On : 31 Oct 2015 4:14 am Operator: YOUMINH
Sample : IC1928-15 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:50 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50756.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 44.76PPBV m

response 11910377

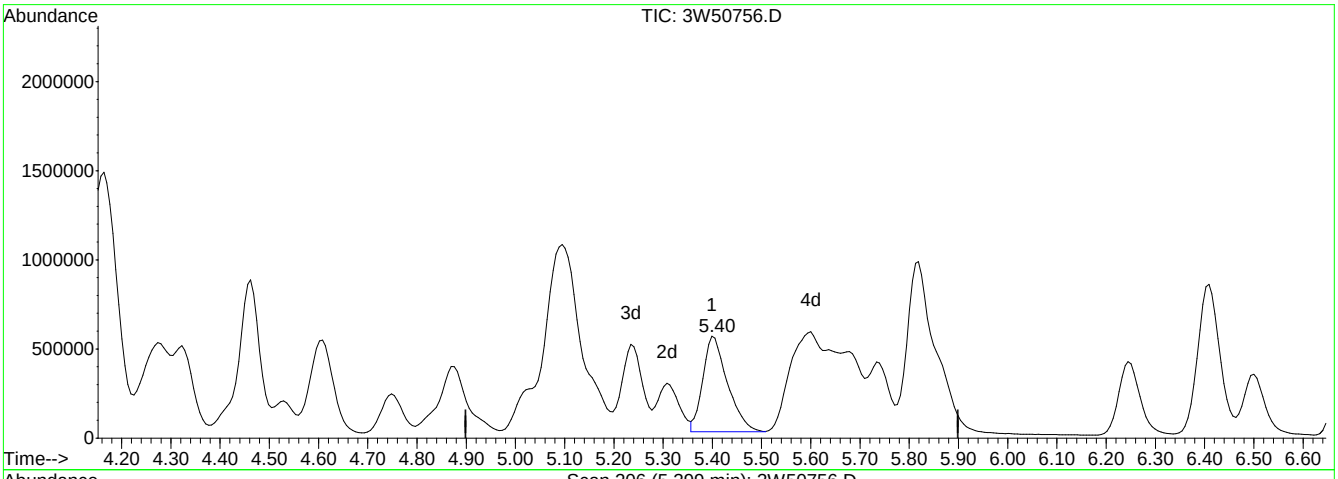
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.42#
0.00	1.00	0.36#
0.00	0.00	0.00

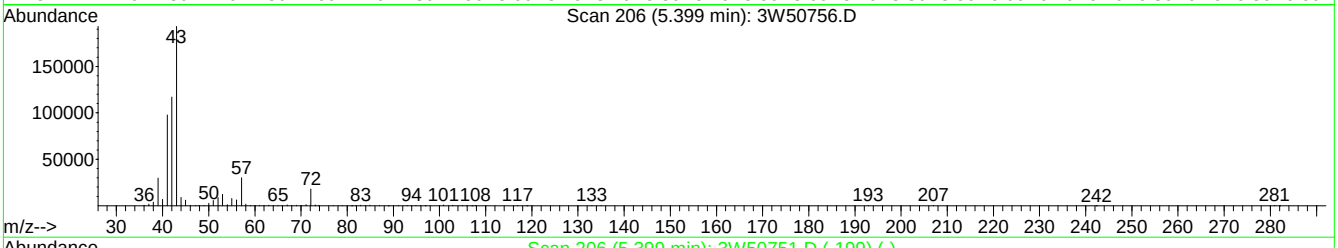
3W50756.D M3W1928.M Mon Nov 02 09:50:44 2015 MS3W

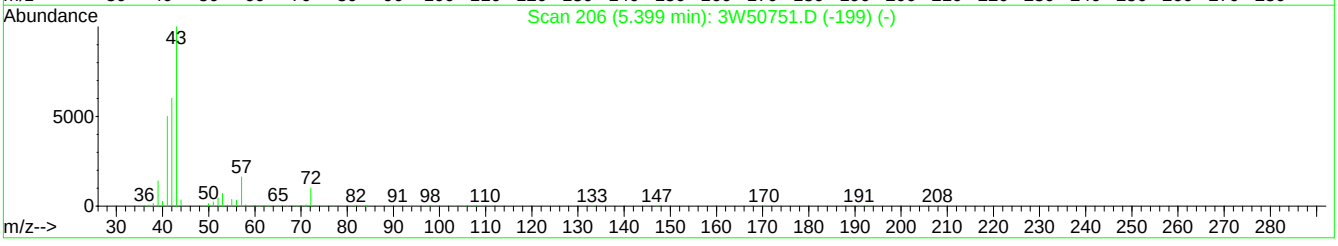
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50756.D Vial: 1
Acq On : 31 Oct 2015 4:14 am Operator: YOUMINH
Sample : IC1928-15 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:03 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50756.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 14.09PPBV m

response 1855813

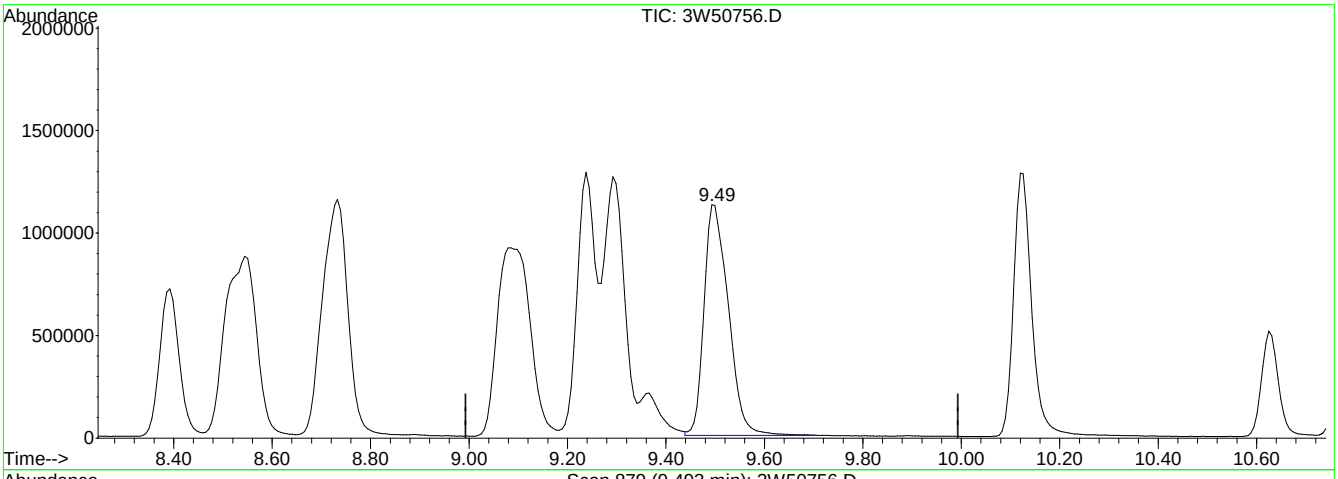
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	2.69#
0.00	2.00	2.29#
0.00	0.00	0.00

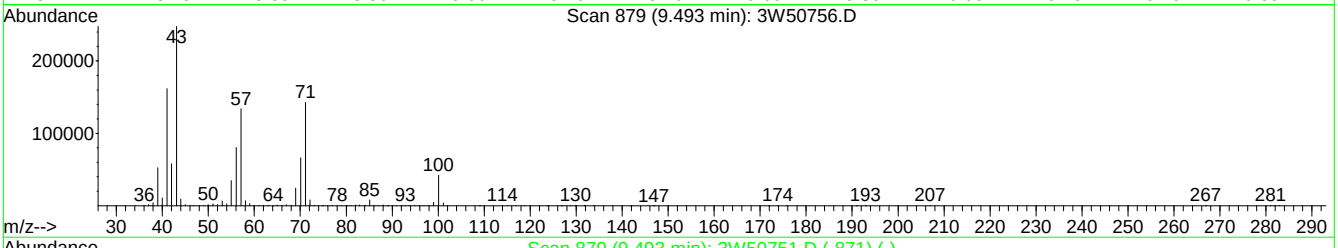
3W50756.D M3W1928.M Mon Nov 02 15:57:24 2015 MS3W

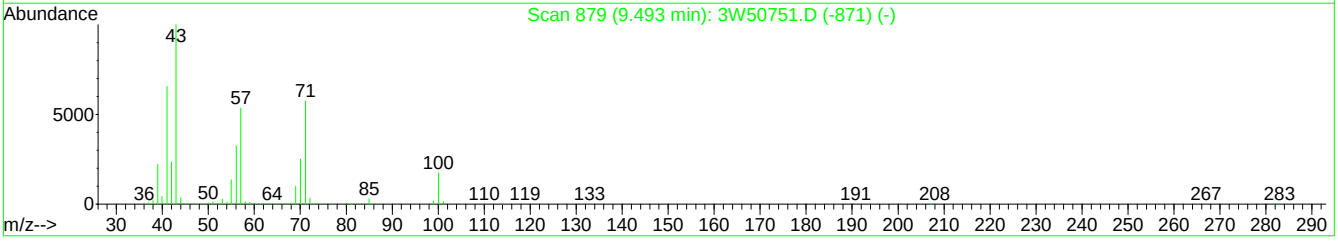
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50756.D Vial: 1
Acq On : 31 Oct 2015 4:14 am Operator: YOUMINH
Sample : IC1928-15 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:03 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50756.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 14.54PPBV m

response 3870524

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.29#
0.00	1.00	1.10#
0.00	0.00	0.00

3W50756.D M3W1928.M Mon Nov 02 15:58:12 2015 MS3W

3W50758.D

Manual Integrations APPROVED (compounds with "m" flag)

Jessica Reitan-Chu 11/03/15 18:02

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:50 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	136901	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	638307	10.00	PPBV	-0.01
71) CHLOROBENZENE-D5	12.83	82	259995	10.00	PPBV	0.00

System Monitoring Compounds

86) 4-BROMOFLUOROBENZENE	14.46	95	226795	7.86	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 78.60%

Target Compounds						Qvalue
4) FREON 152A	4.24	65	1713	0.13	PPBV	99
6) DICHLORODIFLUOROMETHANE	4.33	85	5095	0.11	PPBV	98
9) FREON 114	4.46	85	5780	0.11	PPBV	96
10) CHLOROMETHANE	4.43	50	3002	0.13	PPBV	100
11) VINYL CHLORIDE	4.54	62	2372	0.10	PPBV #	92
12) 1,3-BUTADIENE	4.60	54	2028	0.12	PPBV #	72
13) n-BUTANE	4.62	43	3892m	0.12	PPBV	
14) BROMOMETHANE	4.75	94	2436	0.12	PPBV	94
15) CHLOROETHANE	4.84	64	1322	0.12	PPBV #	60
16) DICHLOROFLUOROMETHANE	4.88	67	5532	0.13	PPBV #	91
17) ACETONITRILE	5.09	41	1592	0.10	PPBV #	34
18) FREON 123	5.08	83	5546	0.11	PPBV #	93
19) FREON 123A	5.11	117	2862	0.11	PPBV	90
20) TRICHLOROFLUOROMETHANE	5.25	101	4696	0.11	PPBV	94
22) ISOPROPYL ALCOHOL	5.40	45	3580m	0.09	PPBV	
25) TVHC as EQUIV PENTANE	5.39	TIC	13655m	0.11	PPBV	
26) IODOMETHANE	5.58	142	5457	0.10	PPBV	93
27) 1,1-DICHLOROETHYLENE	5.61	96	2492	0.13	PPBV #	82
28) CARBON DISULFIDE	5.87	76	6619	0.11	PPBV #	82
30) BROMOETHENE	5.03	106	1993	0.10	PPBV	90
31) ACRYLONITRILE	5.47	52	1076	0.09	PPBV #	81
33) 3-CHLOROPROPENE	5.73	76	1100	0.12	PPBV #	68
34) FREON 113	5.82	151	3153	0.10	PPBV	96
35) TRANS-1,2-DICHLOROETHYLENE	6.25	96	1925	0.11	PPBV	91
36) TERTIARY BUTYL ALCOHOL	5.75	59	4991	0.10	PPBV #	1
37) METHYL TERTIARY BUTYL ETHE	6.48	73	5485	0.10	PPBV	89
38) TETRAHYDROFURAN	7.63	72	826	0.08	PPBV #	78
39) HEXANE	7.07	57	3748	0.11	PPBV #	71
41) 1,1-DICHLOROETHANE	6.40	63	4115	0.11	PPBV	90
43) cis-1,2-DICHLOROETHYLENE	7.02	96	2046	0.10	PPBV	99
44) DIISOPROPYL ETHER	7.16	59	708	0.09	PPBV #	1
47) CHLOROFORM	7.21	83	4249	0.11	PPBV #	85
48) 2,4-DIMETHYLPENTANE	7.75	57	4614	0.11	PPBV	95
49) 1,1,1-TRICHLOROETHANE	7.99	97	3975	0.10	PPBV	96
50) CARBON TETRACHLORIDE	8.51	117	4002	0.10	PPBV	98
51) 1,2-DICHLOROETHANE	7.80	62	2013	0.09	PPBV #	89
53) BENZENE	8.38	78	5978	0.10	PPBV	96
54) CYCLOHEXANE	8.55	84	3397	0.11	PPBV	84
56) TRICHLOROETHYLENE	9.30	95	2631	0.11	PPBV	93
57) 1,2-DICHLOROPROPANE	9.07	63	2893	0.12	PPBV	87
58) DIBROMOMETHANE	9.09	174	1953	0.09	PPBV #	79
60) BROMODICHLOROMETHANE	9.27	83	4271	0.11	PPBV	99
61) 2,2,4-TRIMETHYLPENTANE	9.23	57	10742	0.11	PPBV	91
62) 1,4-DIOXANE	9.54	88	1009	0.08	PPBV #	37
63) HEPTANE	9.48	43	3611	0.10	PPBV	93
64) TVHC as EQUIV HEPTANE	9.49	TIC	15824m	0.07	PPBV	
65) METHYL METHACRYLATE	9.55	69	1773	0.09	PPBV #	36
66) METHYL ISOBUTYL KETONE	10.21	58	1199	0.07	PPBV #	62
67) cis-1,3-DICHLOROPROPENE	10.12	75	2826	0.09	PPBV	97

(#) = qualifier out of range (m) = manual integration
3W50758.D M3W1928.M Tue Nov 03 17:17:16 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:50 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

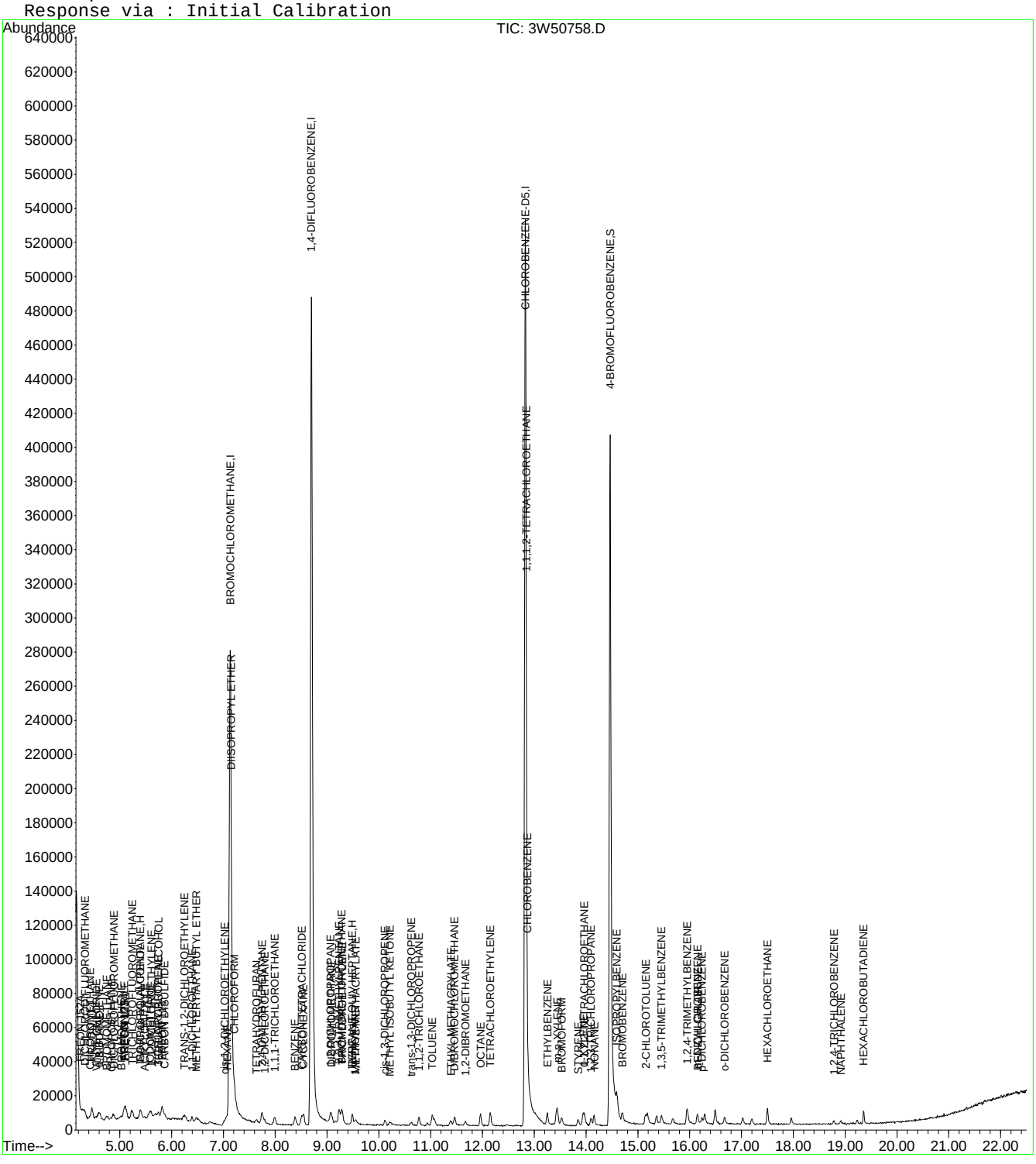
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
68)	TOLUENE	11.03	92	3668	0.09	PPBV		87
69)	trans-1,3-DICHLOROPROPENE	10.62	75	1799	0.07	PPBV		93
70)	1,1,2-TRICHLOROETHANE	10.78	83	1851	0.09	PPBV		95
73)	ETHYL METHACRYLATE	11.40	69	2258	0.08	PPBV	#	21
74)	TETRACHLOROETHYLENE	12.15	164	2464	0.12	PPBV		97
75)	DIBROMOCHLOROMETHANE	11.46	129	3570	0.11	PPBV		96
76)	1,2-DIBROMOETHANE	11.67	107	2466	0.10	PPBV	#	96
77)	OCTANE	11.96	43	3851	0.10	PPBV		86
78)	1,1,1,2-TETRACHLOROETHANE	12.85	131	2586	0.11	PPBV		86
79)	CHLOROBENZENE	12.87	112	4202	0.10	PPBV	#	46
80)	ETHYLBENZENE	13.25	91	7298	0.11	PPBV		96
81)	m,p-XYLENE	13.44	106	5248	0.21	PPBV		91
82)	o-XYLENE	13.94	106	2577	0.10	PPBV	#	85
83)	STYRENE	13.85	104	2884	0.08	PPBV		98
84)	NONANE	14.15	43	3361	0.09	PPBV	#	93
85)	BROMOFORM	13.53	173	3162	0.10	PPBV		93
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	4092	0.10	PPBV		93
88)	1,2,3-TRICHLOROPROPANE	14.09	75	2777	0.09	PPBV		100
89)	ISOPROPYLBENZENE	14.59	105	7411	0.10	PPBV		97
90)	BROMOBENZENE	14.70	77	3775	0.11	PPBV		88
91)	2-CHLOROTOLUENE	15.15	126	1810	0.10	PPBV		90
94)	1,3,5-TRIMETHYLBENZENE	15.46	105	5041	0.09	PPBV		93
97)	1,2,4-TRIMETHYLBENZENE	15.96	105	4150	0.08	PPBV	#	84
98)	m-DICHLOROBENZENE	16.15	146	2446	0.08	PPBV		97
99)	BENZYL CHLORIDE	16.16	91	3295	0.09	PPBV		89
100)	p-DICHLOROBENZENE	16.23	146	2874	0.09	PPBV		95
103)	o-DICHLOROBENZENE	16.67	146	2591	0.09	PPBV		99
105)	HEXACHLOROETHANE	17.50	117	2460	0.10	PPBV		91
106)	HEXACHLOROBUTADIENE	19.35	225	1915	0.12	PPBV		96
107)	1,2,4-TRICHLOROBENZENE	18.78	180	906	0.10	PPBV		94
108)	NAPHTHALENE	18.92	128	1966	0.11	PPBV	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50758.D M3W1928.M Tue Nov 03 17:17:16 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:11 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration



Manual Integration Approval Summary

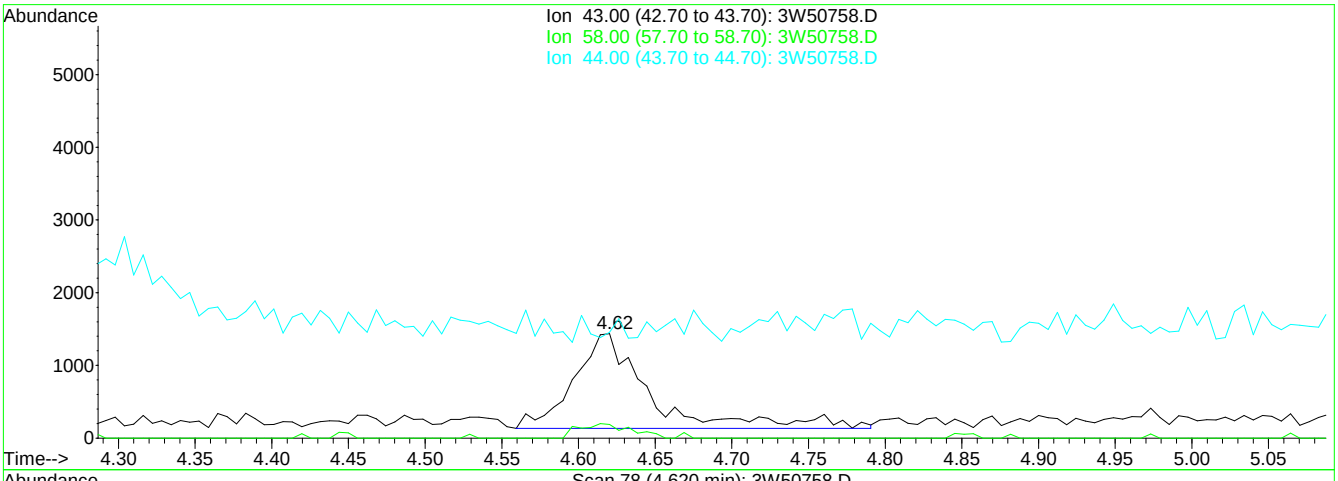
Sample Number:	V3W1928-IC1928	**Method:**	TO-15
Lab FileID:	3W50758.D	**Analyst approved:**	11/02/15 16:06 Youmin Hu
Injection Time:	10/31/15 05:37	**Supervisor approved:**	11/03/15 18:02 Jessica Reitan-Chu

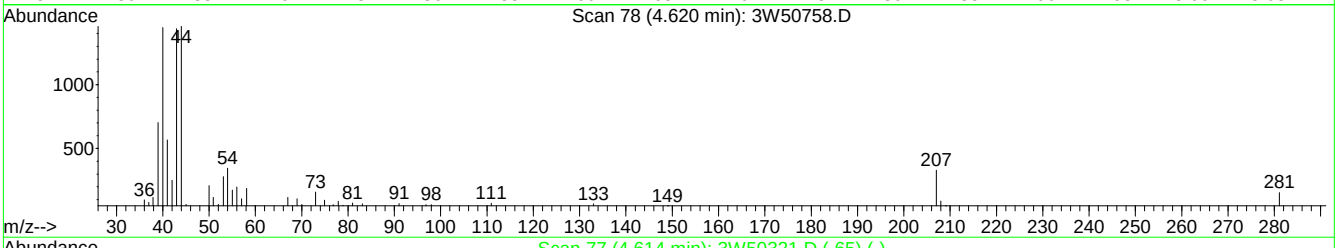
Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Butane	106-97-8		4.62	Poorly defined baseline
Isopropyl Alcohol	67-63-0		5.40	Missed peak

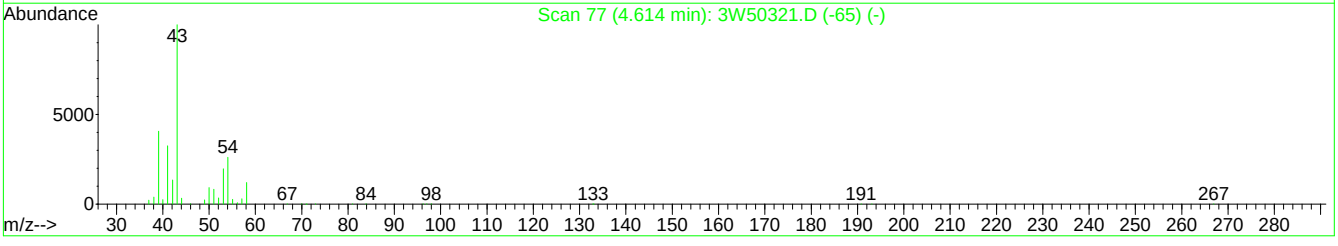
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:52 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50758.D

(13) n-BUTANE

4.62min 0.13PPBV

response 4512

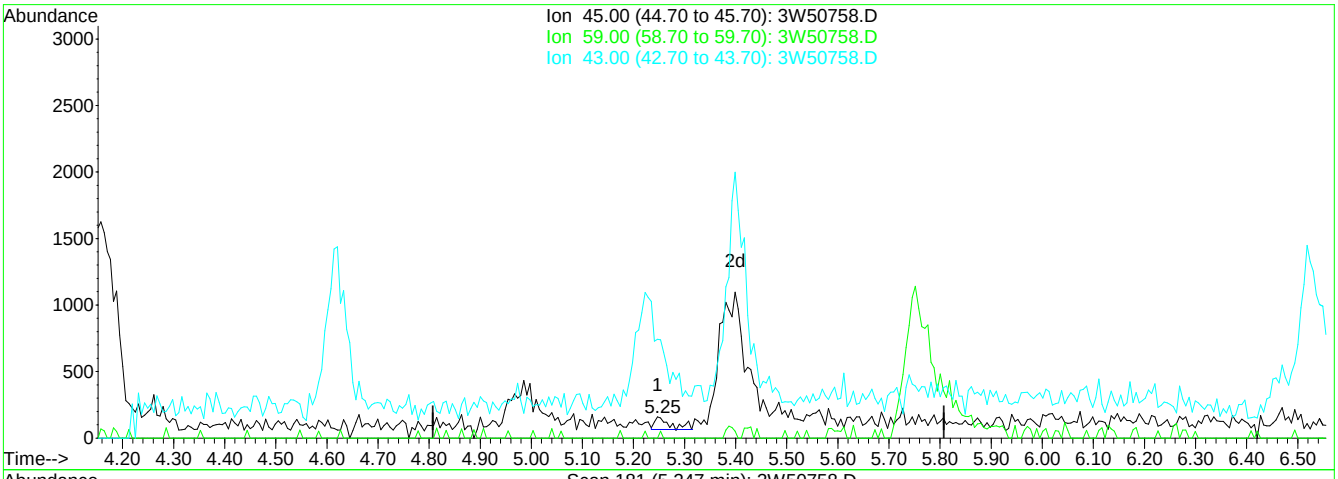
Ion	Exp%	Act%
43.00	100	100
58.00	12.10	10.48
44.00	0.00	4.50
0.00	0.00	0.00

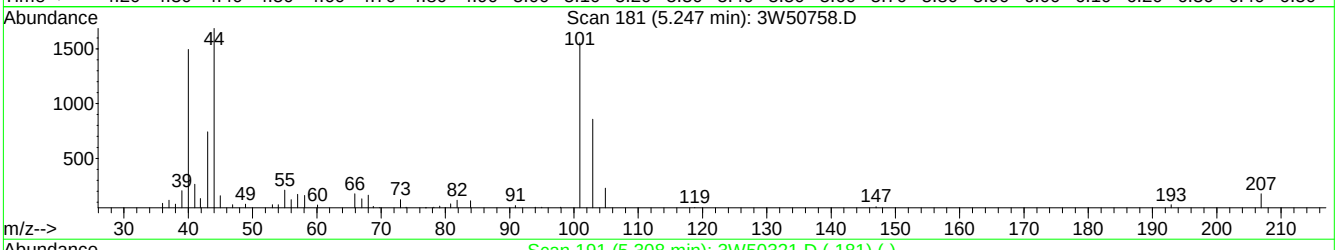
3W50758.D M3W1928.M Mon Nov 02 09:52:49 2015 MS3W

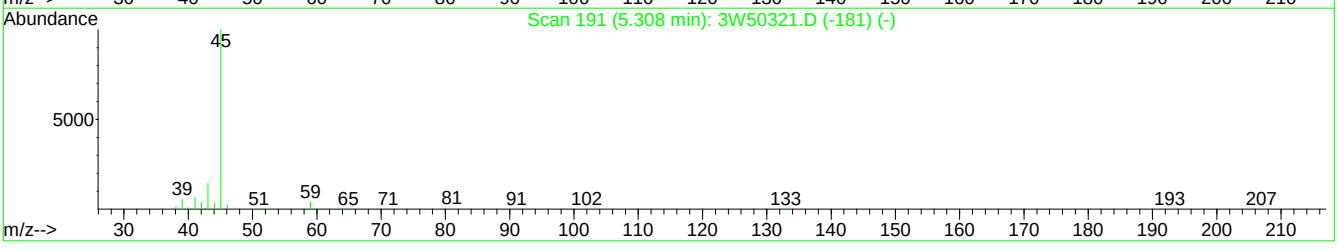
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:53 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50758.D

(22) ISOPROPYL ALCOHOL

5.25min 0.01PPBV

response 207

Ion	Exp%	Act%
45.00	100	100
59.00	4.20	0.00
43.00	17.50	466.67#
0.00	0.00	0.00

3W50758.D M3W1928.M Mon Nov 02 09:53:16 2015 MS3W

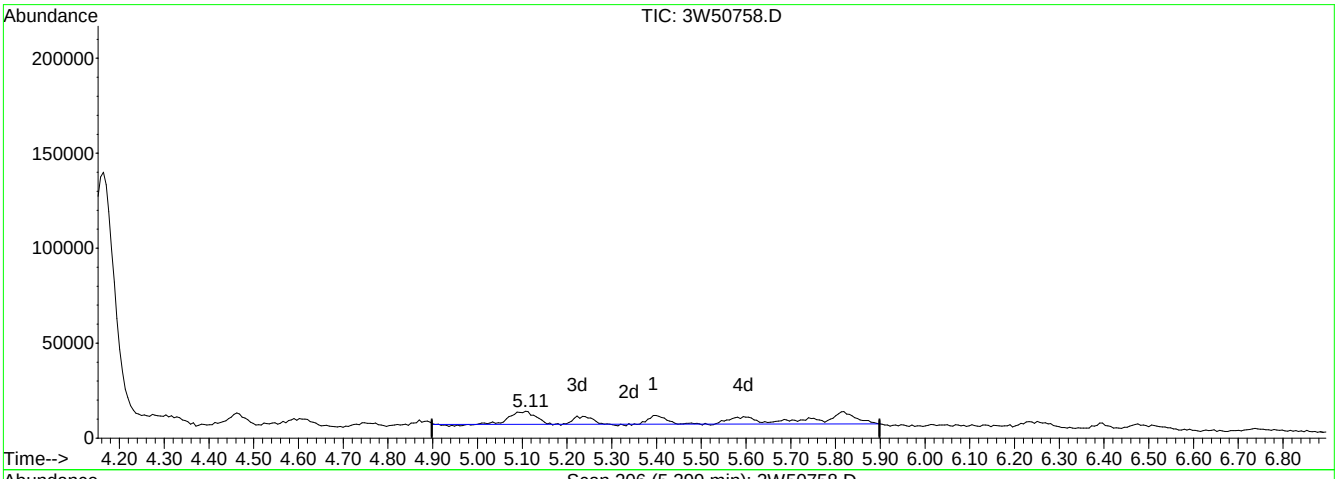
7.7.3

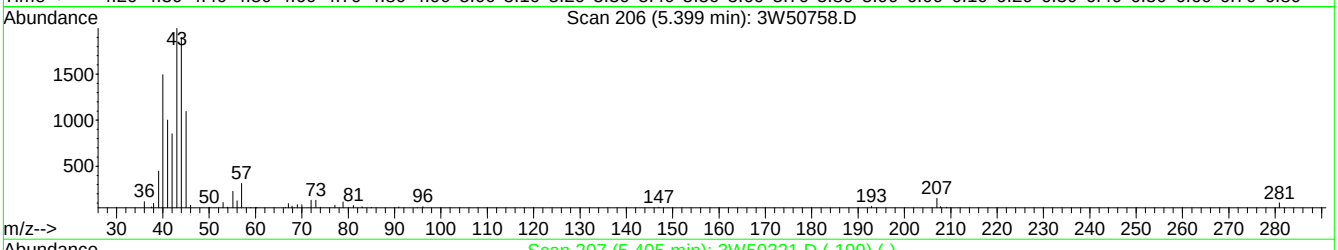
7

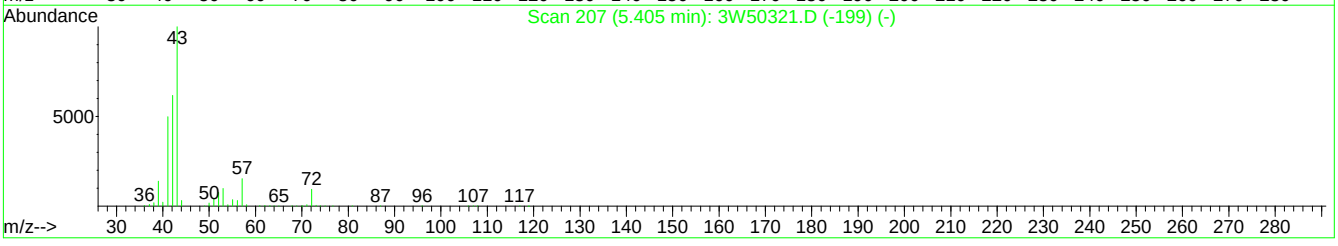
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:53 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50758.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 1.05PPBV m

response 129394

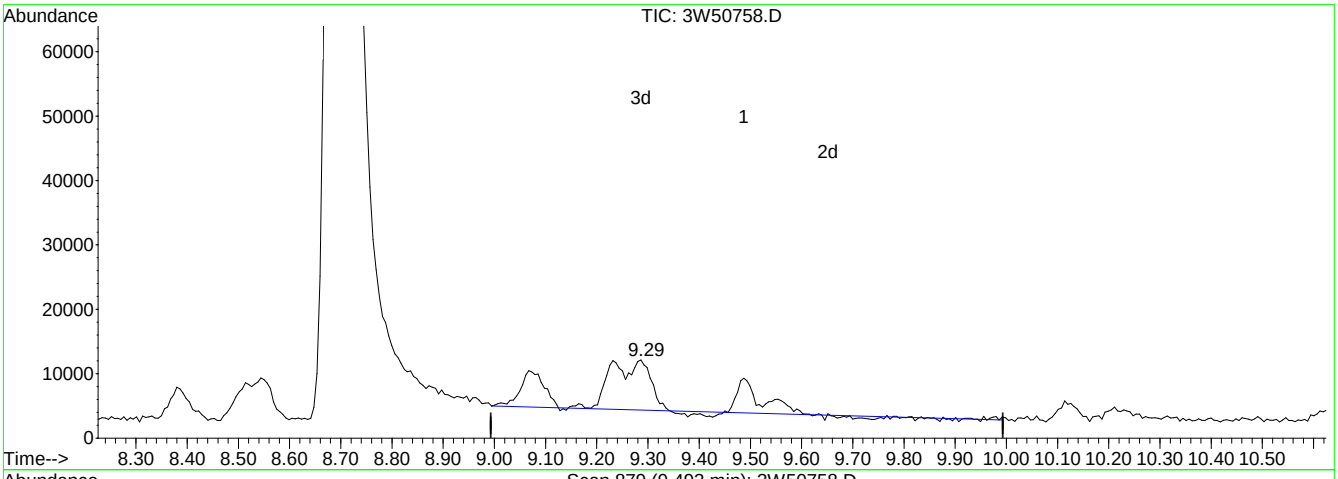
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.00
0.00	2.00	0.00
0.00	0.00	0.00

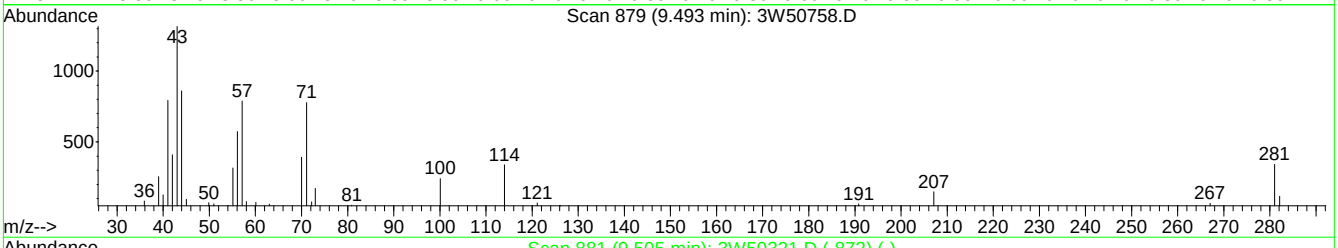
3W50758.D M3W1928.M Mon Nov 02 09:53:51 2015 MS3W

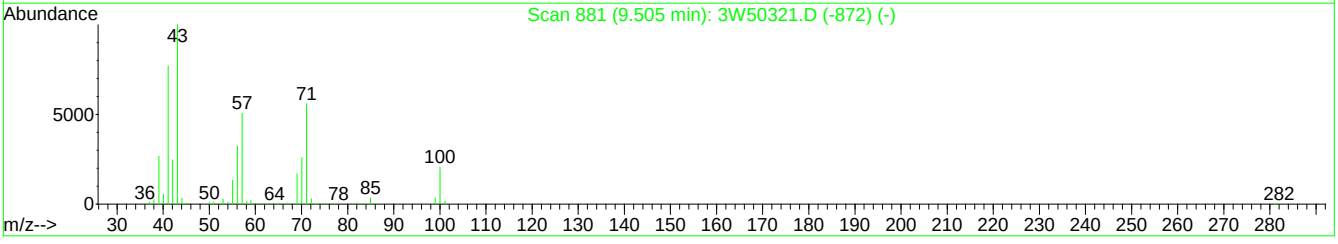
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:54 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50758.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 0.46PPBV m

response 108768

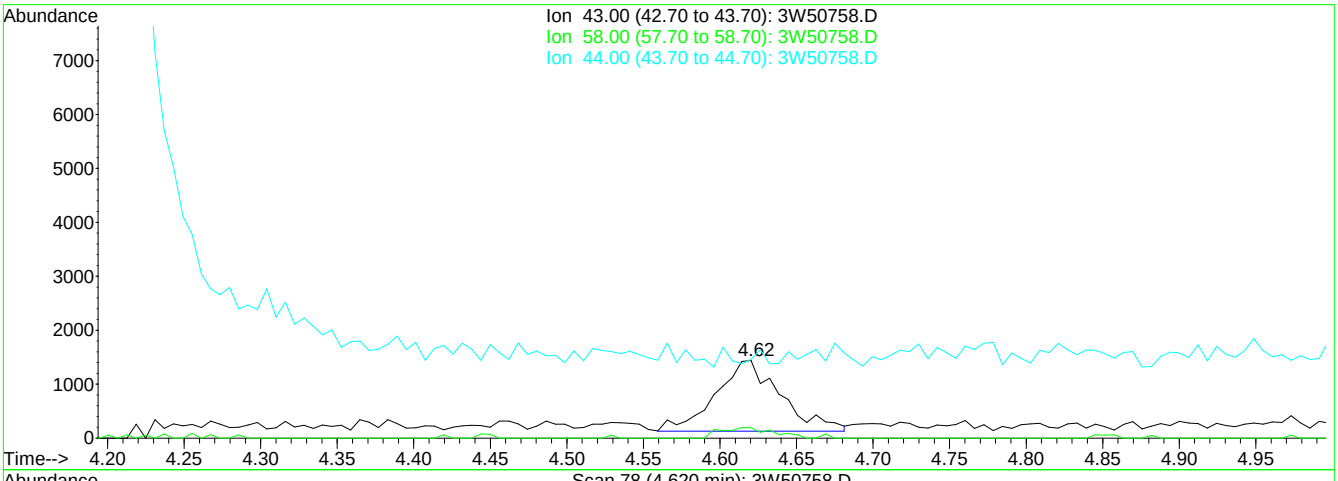
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.00
0.00	1.00	0.00
0.00	0.00	0.00

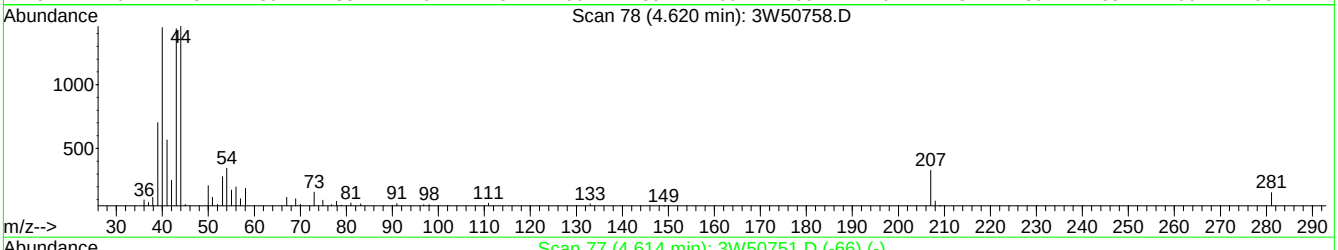
3W50758.D M3W1928.M Mon Nov 02 09:54:45 2015 MS3W

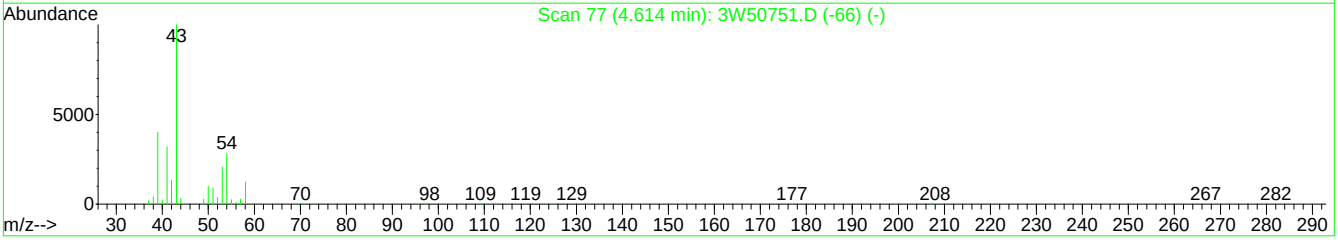
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:11 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50758.D

(13) n-BUTANE

4.62min 0.12PPBV m

response 3892

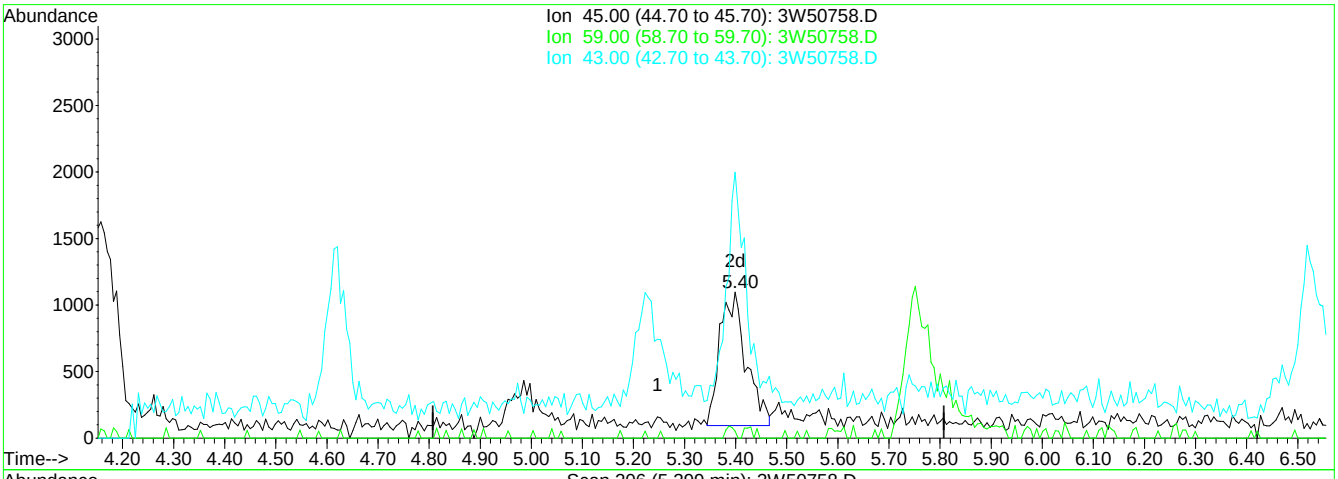
Ion	Exp%	Act%
43.00	100	100
58.00	12.10	12.15
44.00	0.00	5.22
0.00	0.00	0.00

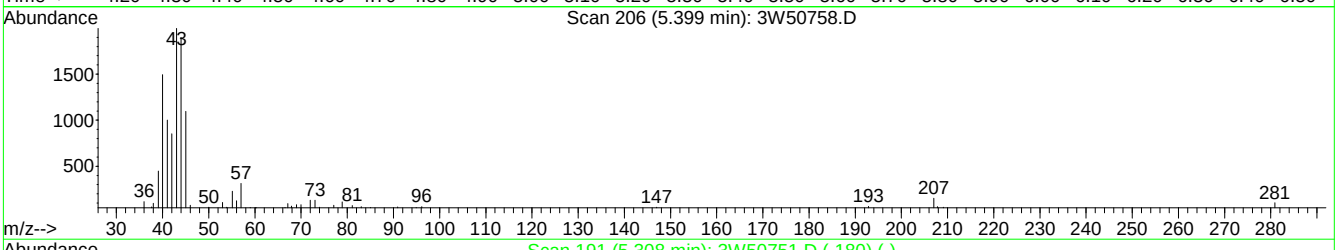
3W50758.D M3W1928.M Mon Nov 02 15:58:54 2015 MS3W

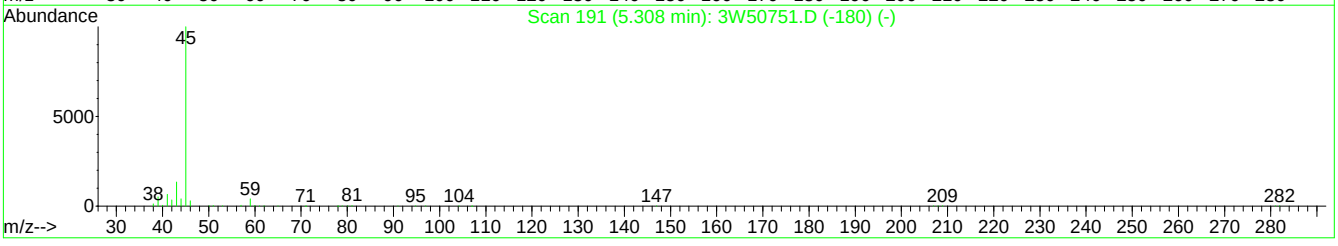
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:11 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50758.D

(22) ISOPROPYL ALCOHOL

5.40min 0.09PPBV m

response 3580

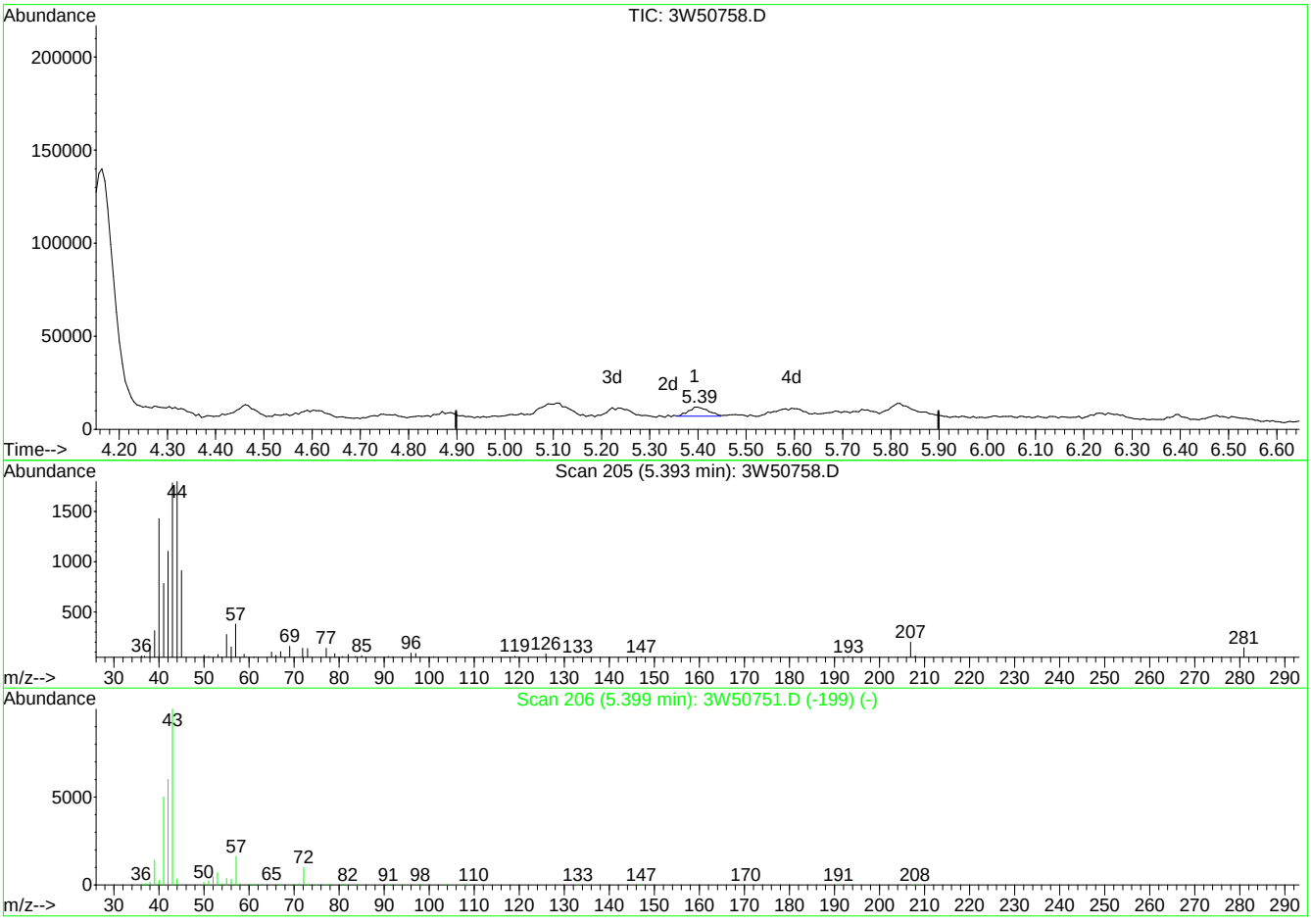
Ion	Exp%	Act%
45.00	100	100
59.00	4.20	4.65
43.00	17.50	182.13#
0.00	0.00	0.00

3W50758.D M3W1928.M Mon Nov 02 16:00:08 2015 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:11 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration



TIC: 3W50758.D

(25) TVHC as EQUIV PENTANE (H)

5.39min 0.11PPBV m

response 13655

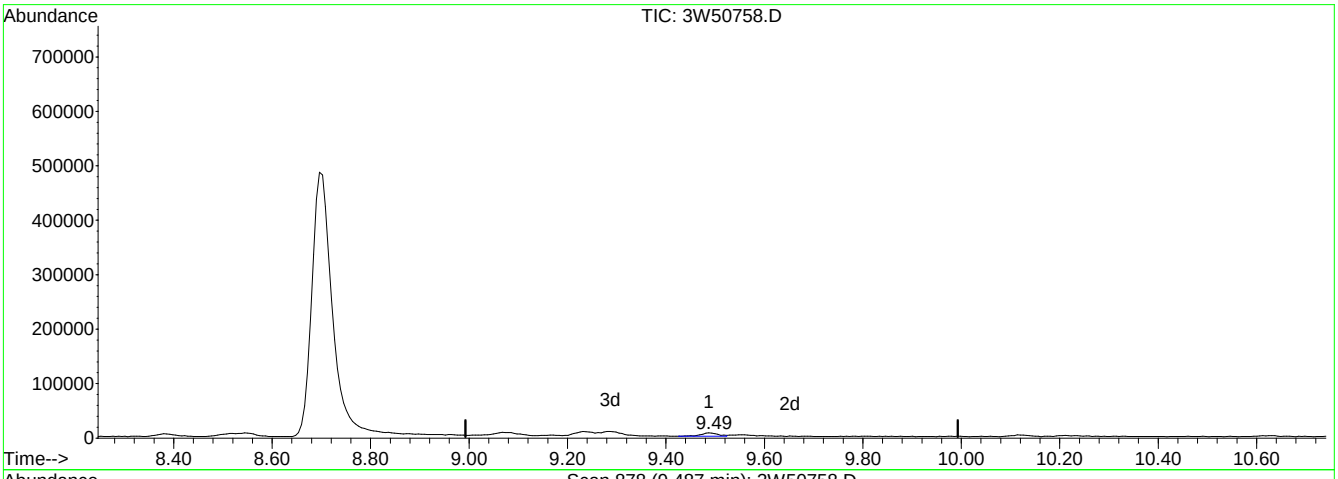
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.00
0.00	2.00	0.00
0.00	0.00	0.00

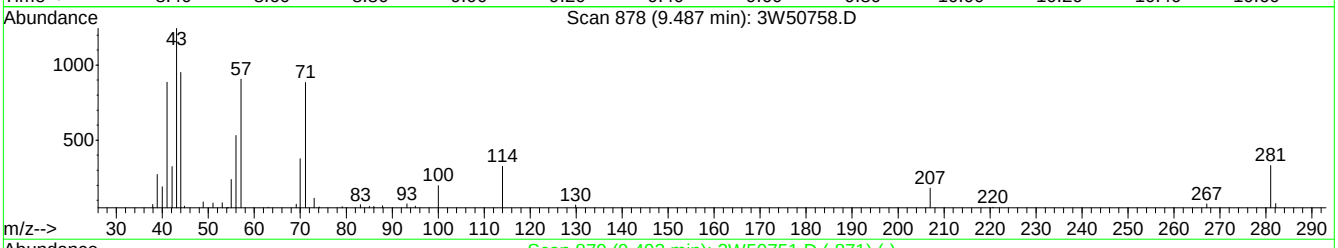
3W50758.D M3W1928.M Mon Nov 02 16:01:03 2015 MS3W

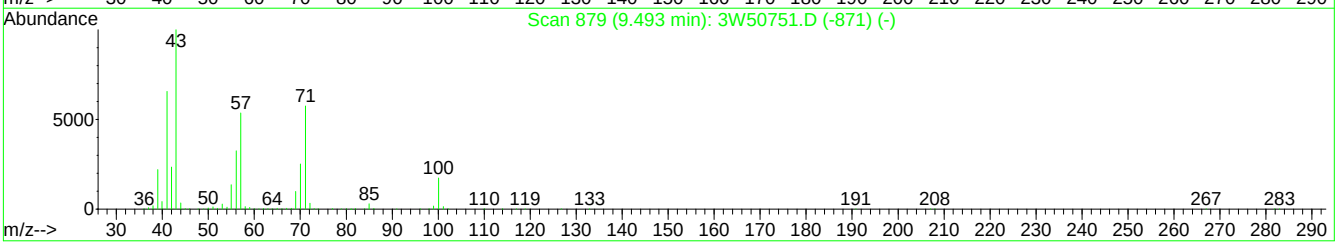
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50758.D Vial: 3
Acq On : 31 Oct 2015 5:37 am Operator: YOUMINH
Sample : IC1928-0.1 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:11 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50758.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 0.07PPBV m

response 15824

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.00
0.00	1.00	0.00
0.00	0.00	0.00

3W50758.D M3W1928.M Mon Nov 02 16:01:41 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50759.D Vial: 3
Acq On : 31 Oct 2015 6:18 am Operator: YOUMINH
Sample : IC1928-0.04 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:53 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	132409	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	619714	10.00	PPBV	-0.01
71) CHLOROBENZENE-D5	12.83	82	248290	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.46	95	213245	7.74	PPBV	0.00
Spiked Amount 10.000 Range 65 - 128 Recovery = 77.40%						
Target Compounds						Qvalue
9) FREON 114	4.47	85	2763	0.05	PPBV	90
11) VINYL CHLORIDE	4.54	62	1042	0.05	PPBV #	89
14) BROMOMETHANE	4.75	94	986	0.05	PPBV #	74
15) CHLOROETHANE	4.85	64	519	0.05	PPBV #	68
18) FREON 123	5.09	83	2561	0.05	PPBV	98
20) TRICHLOROFLUOROMETHANE	5.24	101	2112	0.05	PPBV	88
25) TVHC as EQUIV PENTANE	5.41	TIC	4446m	0.04	PPBV	
26) IODOMETHANE	5.58	142	2349	0.05	PPBV	91
28) CARBON DISULFIDE	5.86	76	2887	0.05	PPBV #	68
30) BROMOETHENE	5.01	106	970	0.05	PPBV	79
31) ACRYLONITRILE	5.47	52	469	0.04	PPBV #	58
33) 3-CHLOROPROPENE	5.73	76	415	0.05	PPBV #	30
34) FREON 113	5.81	151	1445	0.05	PPBV	94
36) TERTIARY BUTYL ALCOHOL	5.76	59	2549	0.05	PPBV #	15
38) TETRAHYDROFURAN	7.66	72	260	0.03	PPBV #	1
41) 1,1-DICHLOROETHANE	6.39	63	2004	0.05	PPBV	93
43) cis-1,2-DICHLOROETHYLENE	7.03	96	870	0.05	PPBV	94
47) CHLOROFORM	7.21	83	1719	0.05	PPBV #	86
49) 1,1,1-TRICHLOROETHANE	8.00	97	1878	0.05	PPBV	99
50) CARBON TETRACHLORIDE	8.50	117	1899	0.05	PPBV	97
51) 1,2-DICHLOROETHANE	7.79	62	886	0.04	PPBV #	89
53) BENZENE	8.38	78	3065	0.05	PPBV	93
54) CYCLOHEXANE	8.56	84	1568	0.05	PPBV #	79
56) TRICHLOROETHYLENE	9.30	95	1198	0.05	PPBV	88
58) DIBROMOMETHANE	9.09	174	846	0.04	PPBV #	51
60) BROMODICHLOROMETHANE	9.27	83	1877	0.05	PPBV	94
61) 2,2,4-TRIMETHYLPENTANE	9.23	57	4594	0.05	PPBV	87
62) 1,4-DIOXANE	9.56	88	359	0.03	PPBV #	36
63) HEPTANE	9.49	43	1630	0.05	PPBV	99
64) TVHC as EQUIV HEPTANE	9.49	TIC	8207m	0.04	PPBV	
65) METHYL METHACRYLATE	9.56	69	603	0.03	PPBV #	46
66) METHYL ISOBUTYL KETONE	10.22	58	443	0.03	PPBV #	61
67) cis-1,3-DICHLOROPROPENE	10.12	75	1349	0.04	PPBV	89
68) TOLUENE	11.04	92	1759	0.05	PPBV	93
69) trans-1,3-DICHLOROPROPENE	10.63	75	856	0.04	PPBV	81
70) 1,1,2-TRICHLOROETHANE	10.77	83	919	0.05	PPBV	97
73) ETHYL METHACRYLATE	11.39	69	893	0.03	PPBV #	76
74) TETRACHLOROETHYLENE	12.16	164	1139	0.06	PPBV	96
75) DIBROMOCHLOROMETHANE	11.47	129	1606	0.05	PPBV	96
76) 1,2-DIBROMOETHANE	11.66	107	1036	0.04	PPBV #	92
79) CHLOROBENZENE	12.88	112	1886	0.05	PPBV #	45
80) ETHYLBENZENE	13.25	91	3395	0.05	PPBV	95
81) m,p-XYLENE	13.45	106	2364	0.10	PPBV #	75
82) o-XYLENE	13.94	106	1140	0.05	PPBV #	64
83) STYRENE	13.84	104	1247	0.04	PPBV	94
84) NONANE	14.16	43	1375	0.04	PPBV #	89
85) BROMOFORM	13.52	173	1329	0.04	PPBV #	92
87) 1,1,2,2-TETRACHLOROETHANE	13.98	83	1831	0.05	PPBV #	91
88) 1,2,3-TRICHLOROPROPANE	14.10	75	1377	0.05	PPBV	95

(#) = qualifier out of range (m) = manual integration
3W50759.D M3W1928.M Tue Nov 03 17:17:19 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50759.D Vial: 3
Acq On : 31 Oct 2015 6:18 am Operator: YOUMINH
Sample : IC1928-0.04 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:53 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

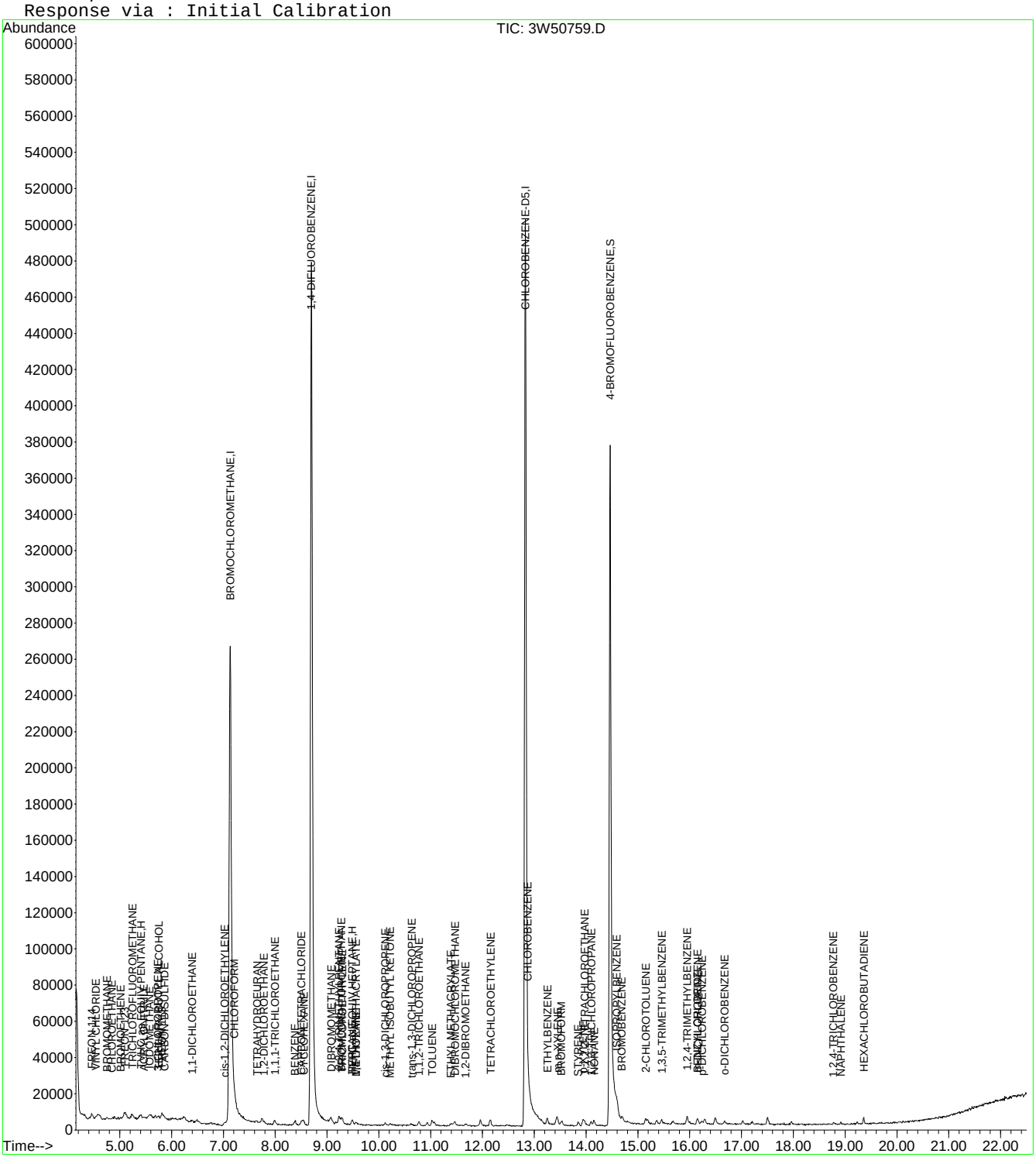
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
89)	ISOPROPYLBENZENE	14.59	105	3102	0.04	PPBV		89
90)	BROMOBENZENE	14.69	77	1732	0.05	PPBV	#	84
91)	2-CHLOROTOLUENE	15.16	126	692	0.04	PPBV		94
94)	1,3,5-TRIMETHYLBENZENE	15.46	105	2041	0.04	PPBV		97
97)	1,2,4-TRIMETHYLBENZENE	15.96	105	1950	0.04	PPBV	#	82
98)	m-DICHLOROBENZENE	16.14	146	1335	0.05	PPBV		99
99)	BENZYL CHLORIDE	16.15	91	1581	0.04	PPBV	#	60
100)	p-DICHLOROBENZENE	16.24	146	1348	0.05	PPBV		96
103)	o-DICHLOROBENZENE	16.68	146	1268	0.04	PPBV		97
106)	HEXACHLOROBUTADIENE	19.36	225	874	0.06	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.78	180	499	0.06	PPBV	#	71
108)	NAPHTHALENE	18.91	128	861	0.05	PPBV	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50759.D M3W1928.M Tue Nov 03 17:17:20 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50759.D Vial: 3
Acq On : 31 Oct 2015 6:18 am Operator: YOUMINH
Sample : IC1928-0.04 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:13 2015 Quant Results File: M3W1928.RES

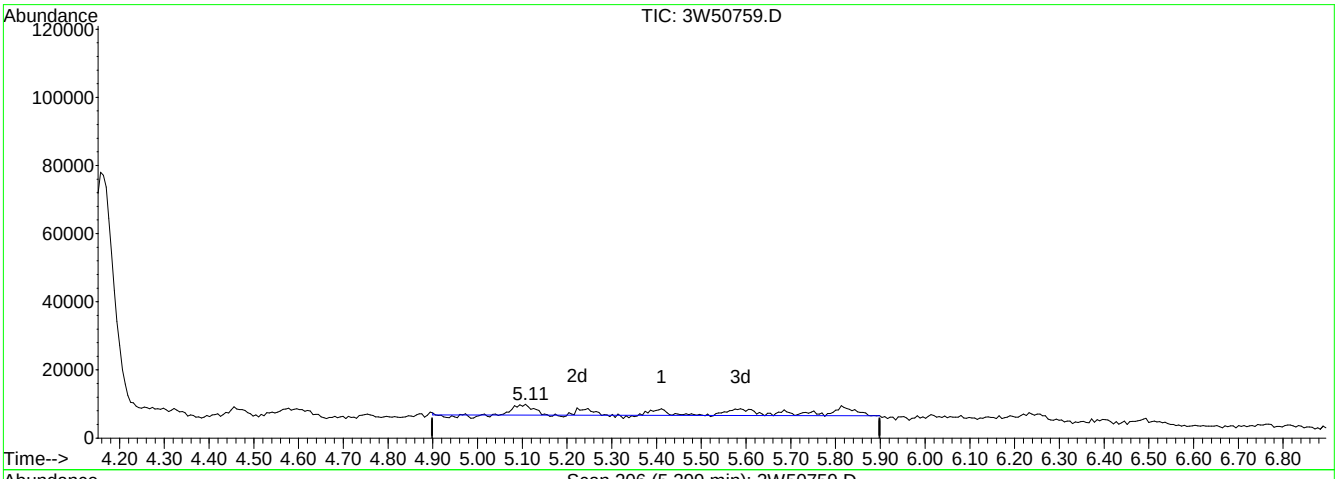
Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

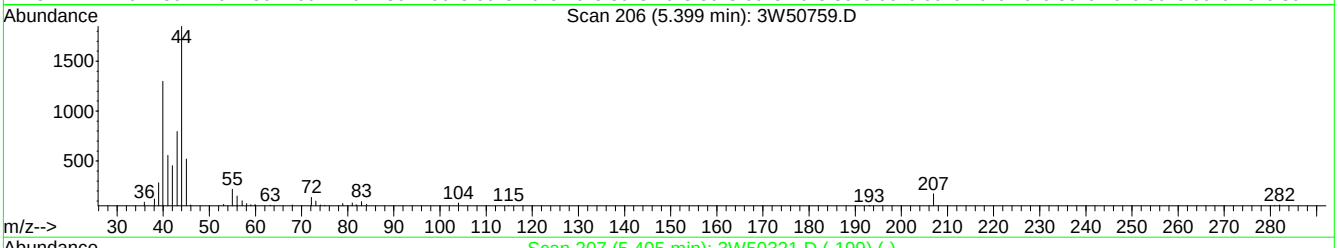


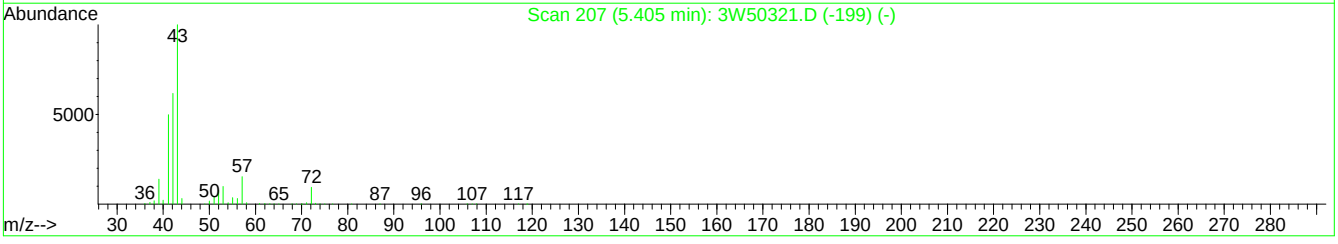
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50759.D Vial: 3
Acq On : 31 Oct 2015 6:18 am Operator: YOUMINH
Sample : IC1928-0.04 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:55 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50759.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 0.60PPBV m

response 71762

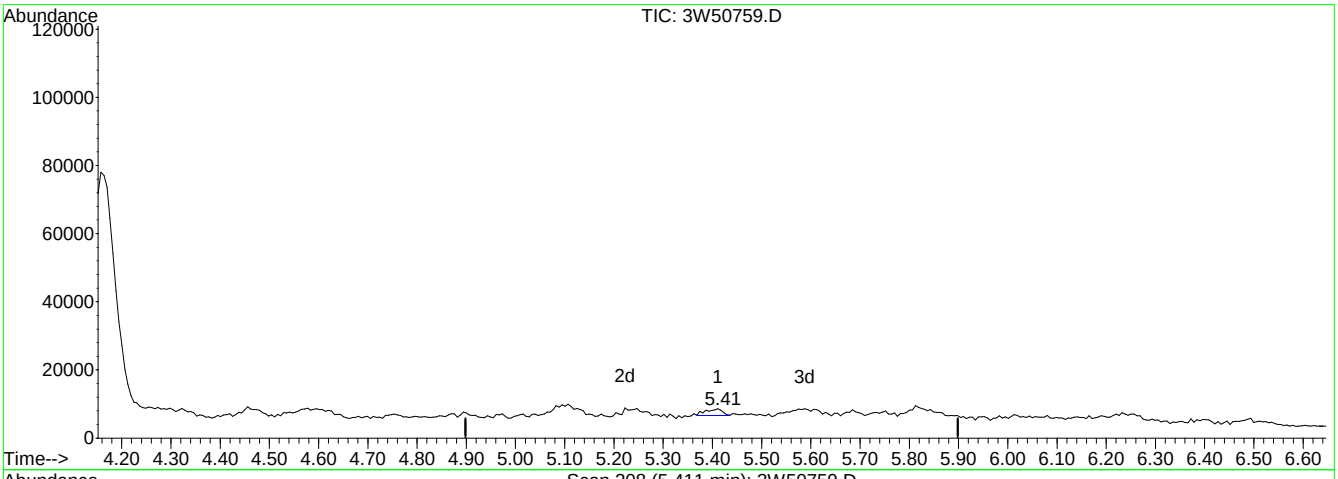
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.00
0.00	2.00	0.00
0.00	0.00	0.00

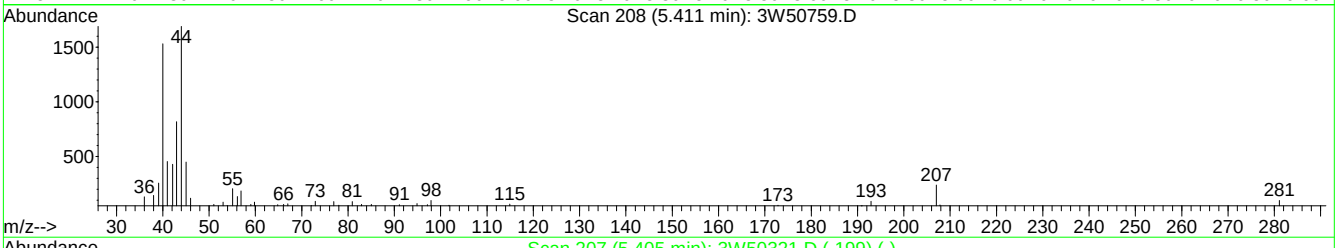
3W50759.D M3W1928.M Mon Nov 02 09:56:04 2015 MS3W

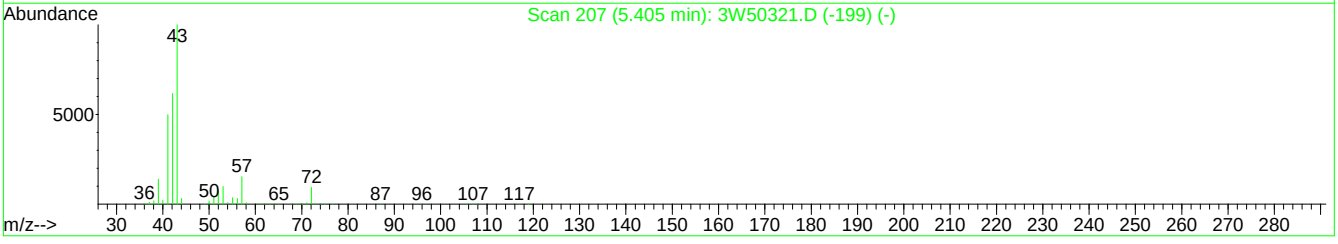
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50759.D Vial: 3
Acq On : 31 Oct 2015 6:18 am Operator: YOUMINH
Sample : IC1928-0.04 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:56 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50759.D

(25) TVHC as EQUIV PENTANE (H)

5.41min 0.04PPBV m

response 4446

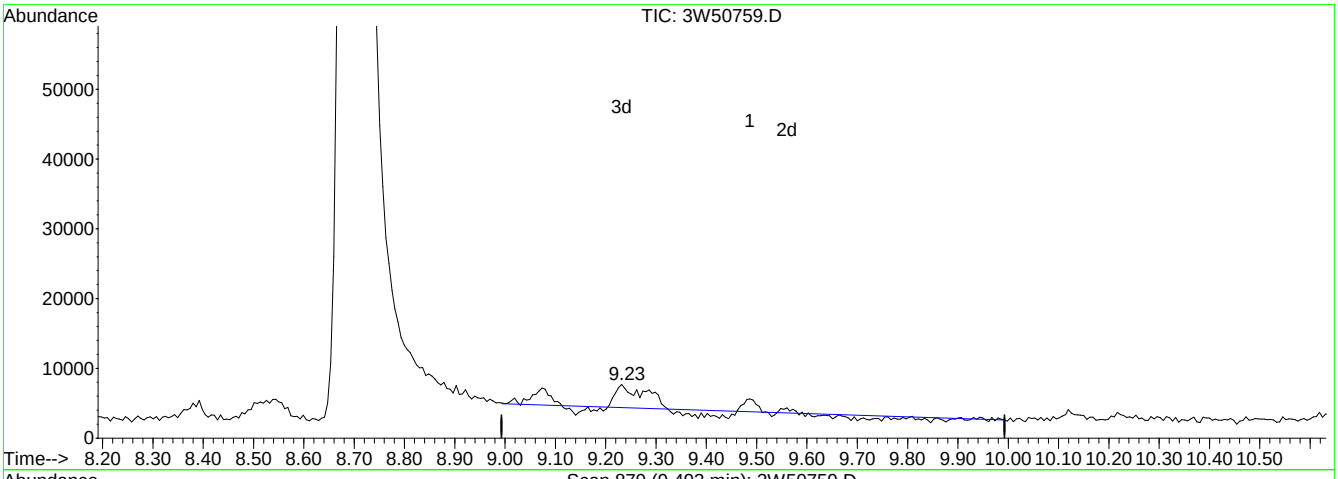
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.00
0.00	2.00	0.00
0.00	0.00	0.00

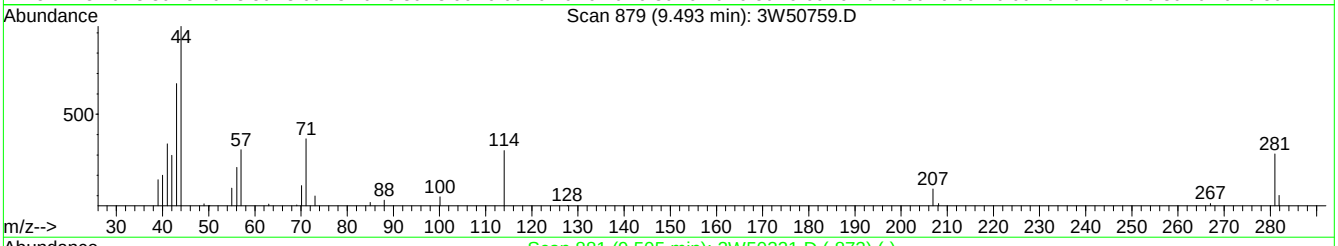
3W50759.D M3W1928.M Mon Nov 02 09:56:28 2015 MS3W

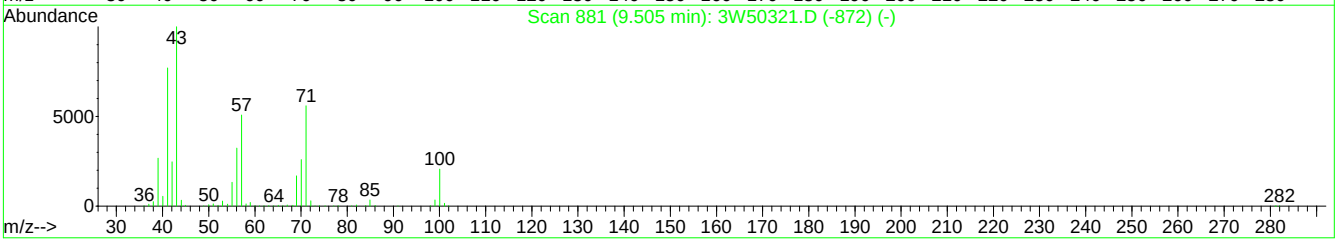
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50759.D Vial: 3
Acq On : 31 Oct 2015 6:18 am Operator: YOUMINH
Sample : IC1928-0.04 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:57 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50759.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 0.21PPBV m

response 47840

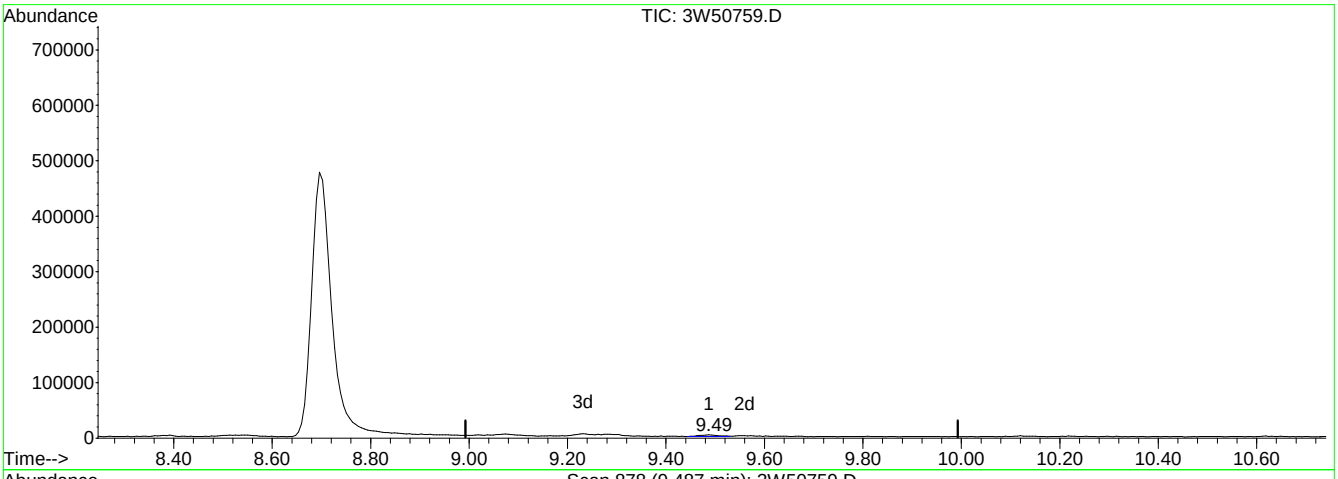
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.00
0.00	1.00	0.00
0.00	0.00	0.00

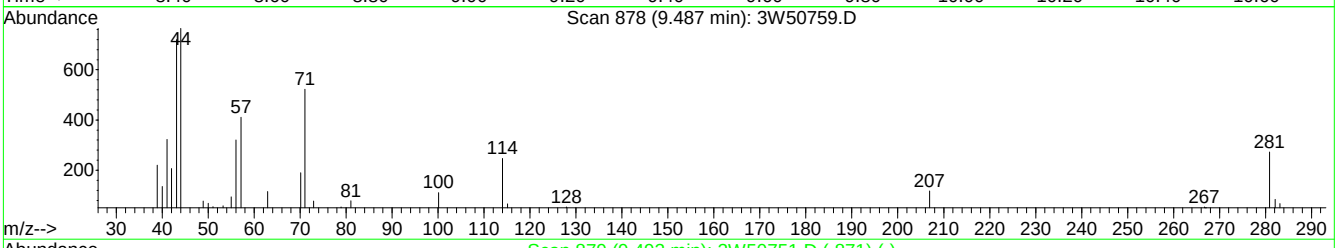
3W50759.D M3W1928.M Mon Nov 02 09:57:32 2015 MS3W

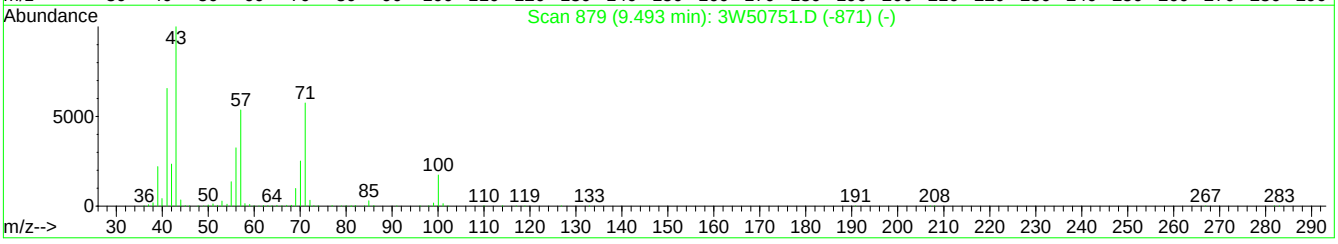
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50759.D Vial: 3
Acq On : 31 Oct 2015 6:18 am Operator: YOUMINH
Sample : IC1928-0.04 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:13 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50759.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 0.04PPBV m

response 8207

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.00
0.00	1.00	0.00
0.00	0.00	0.00

3W50759.D M3W1928.M Mon Nov 02 15:59:22 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50760.D Vial: 1
Acq On : 31 Oct 2015 7:00 am Operator: YOUMINH
Sample : IC1928-30 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:55 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.14	128	144746	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.71	114	717773	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.84	82	388006	10.00	PPBV	0.00

System Monitoring Compounds
86) 4-BROMOFLUOROBENZENE 14.48 95 411659 9.56 PPBV 0.01
Spiked Amount 10.000 Range 65 - 128 Recovery = 95.60%

Target Compounds						Qvalue
4) FREON 152A	4.25	65	360734	26.51	PPBV	99
5) CHLORODIFLUOROMETHANE	4.27	67	129990	26.42	PPBV	99
6) DICHLORODIFLUOROMETHANE	4.33	85	1243716	25.97	PPBV	97
7) PROPYLENE	4.29	41	456112	25.26	PPBV	99
9) FREON 114	4.46	85	1424123	25.89	PPBV	98
10) CHLOROMETHANE	4.42	50	657183	26.53	PPBV	99
11) VINYL CHLORIDE	4.53	62	626279	25.97	PPBV	100
12) 1,3-BUTADIENE	4.60	54	460396	25.86	PPBV	99
13) n-BUTANE	4.62	43	883116	24.83	PPBV	98
14) BROMOMETHANE	4.75	94	537933	25.81	PPBV	98
15) CHLOROETHANE	4.83	64	323375	27.26	PPBV	97
16) DICHLOROFLUOROMETHANE	4.88	67	1227648	26.45	PPBV	100
17) ACETONITRILE	5.05	41	458171	27.77	PPBV	98
18) FREON 123	5.08	83	1390449	26.33	PPBV	98
19) FREON 123A	5.11	117	741903	27.30	PPBV	95
20) TRICHLOROFLUOROMETHANE	5.24	101	1221449	26.18	PPBV	98
22) ISOPROPYL ALCOHOL	5.32	45	1131633	26.09	PPBV	100
23) ACETONE	5.17	58	279872	27.27	PPBV	99
24) PENTANE	5.40	42	609205	25.79	PPBV	100
25) TVHC as EQUIV PENTANE	5.40	TIC	3448870m	26.49	PPBV	
26) IODOMETHANE	5.57	142	1487590	27.04	PPBV	99
27) 1,1-DICHLOROETHYLENE	5.61	96	555475	27.11	PPBV	97
28) CARBON DISULFIDE	5.87	76	1612367	26.03	PPBV	99
29) ETHANOL	4.93	45	264659	26.52	PPBV	99
30) BROMOETHENE	5.02	106	550782	26.42	PPBV	98
31) ACRYLONITRILE	5.44	52	363652	27.63	PPBV	99
32) METHYLENE CHLORIDE	5.69	84	499505	27.17	PPBV	90
33) 3-CHLOROPROPENE	5.75	76	269977	27.37	PPBV	95
34) FREON 113	5.82	151	914887	27.56	PPBV	98
35) TRANS-1,2-DICHLOROETHYLENE	6.25	96	533064	28.10	PPBV	98
36) TERTIARY BUTYL ALCOHOL	5.65	59	1343909	26.21	PPBV	99
37) METHYL TERTIARY BUTYL ETHE	6.41	73	1504056	26.38	PPBV	100
38) TETRAHYDROFURAN	7.54	72	286387	27.03	PPBV	99
39) HEXANE	7.07	57	932353	26.96	PPBV	98
40) VINYL ACETATE	6.51	86	124997	29.20	PPBV #	89
41) 1,1-DICHLOROETHANE	6.40	63	1086481	26.27	PPBV	98
42) METHYL ETHYL KETONE	6.68	72	282539	27.78	PPBV	97
43) cis-1,2-DICHLOROETHYLENE	7.04	96	577130	27.78	PPBV	99
44) DIISOPROPYL ETHER	7.10	59	229078	27.76	PPBV #	86
45) ETHYL ACETATE	7.16	61	223831	29.87	PPBV #	82
46) METHYL ACRYLATE	7.18	55	1027828	28.63	PPBV #	100
47) CHLOROFORM	7.24	83	1122898	27.07	PPBV	98
48) 2,4-DIMETHYLPENTANE	7.75	57	1145707	26.76	PPBV	99
49) 1,1,1-TRICHLOROETHANE	8.00	97	1105556	26.89	PPBV	99
50) CARBON TETRACHLORIDE	8.52	117	1128684	27.31	PPBV	99
51) 1,2-DICHLOROETHANE	7.80	62	664317	28.10	PPBV	100
53) BENZENE	8.40	78	1815410	27.67	PPBV	100
54) CYCLOHEXANE	8.56	84	931119	27.31	PPBV	99
55) 2,3-DIMETHYLPENTANE	8.74	71	421601	27.35	PPBV	95

(#) = qualifier out of range (m) = manual integration
3W50760.D M3W1928.M Tue Nov 03 17:17:24 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50760.D Vial: 1
Acq On : 31 Oct 2015 7:00 am Operator: YOUMINH
Sample : IC1928-30 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:32:55 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

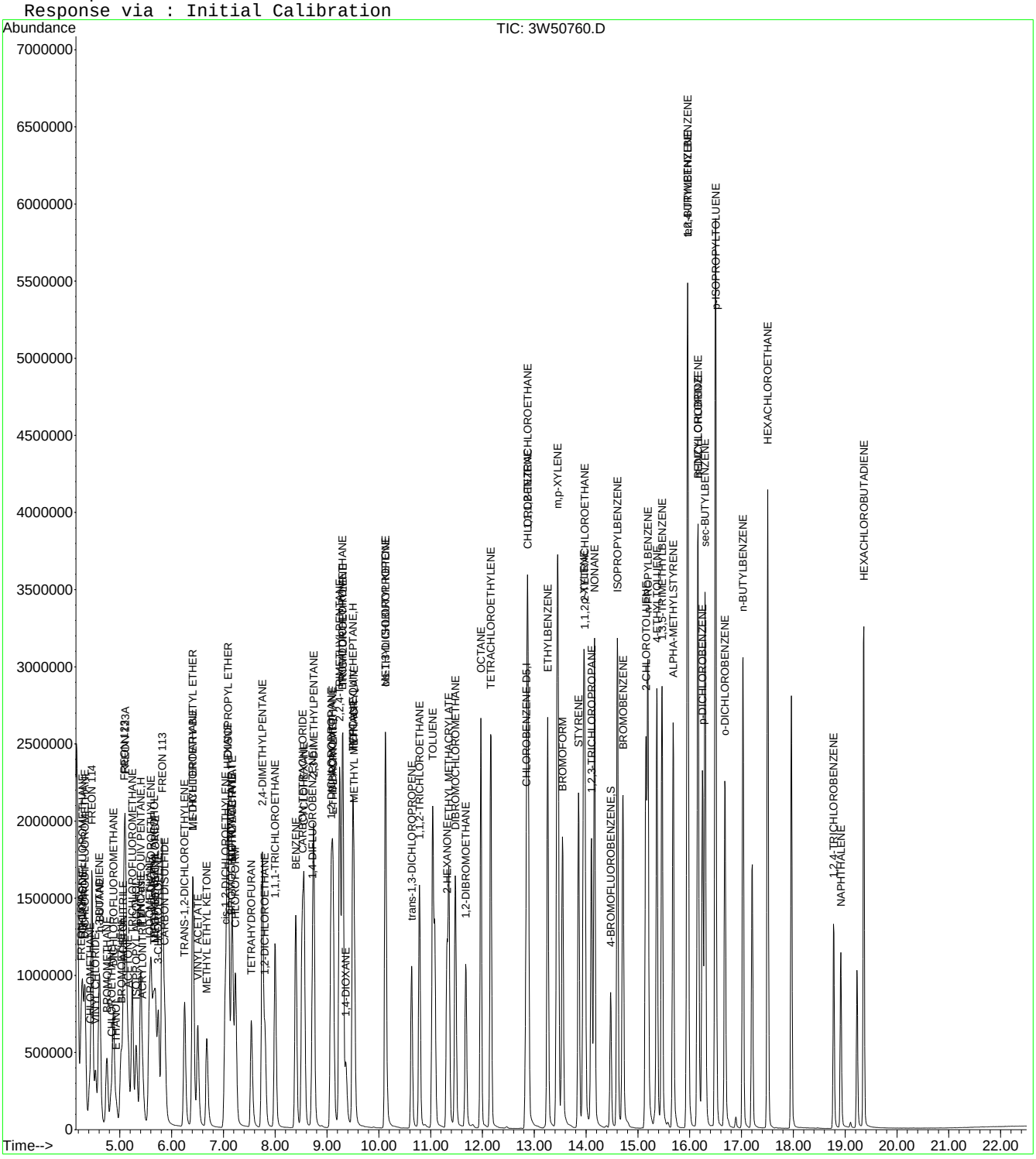
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
56)	TRICHLOROETHYLENE	9.31	95	748890	28.98	PPBV		98
57)	1,2-DICHLOROPROPANE	9.07	63	731907	28.01	PPBV		99
58)	DIBROMOMETHANE	9.10	174	697047	29.76	PPBV		99
59)	ETHYL ACRYLATE	9.12	55	1310707	29.51	PPBV	#	98
60)	BROMODICHLOROMETHANE	9.29	83	1237341	28.09	PPBV		99
61)	2,2,4-TRIMETHYLPENTANE	9.24	57	2918233	26.26	PPBV		99
62)	1,4-DIOXANE	9.37	88	415928	28.82	PPBV		99
63)	HEPTANE	9.50	43	1099813	26.81	PPBV		97
64)	TVHC as EQUIV HEPTANE	9.50	TIC	7296689m	27.52	PPBV		
65)	METHYL METHACRYLATE	9.52	69	653967	28.74	PPBV		93
66)	METHYL ISOBUTYL KETONE	10.13	58	566041	28.80	PPBV		95
67)	cis-1,3-DICHLOROPROPENE	10.13	75	1073879	29.20	PPBV		98
68)	TOLUENE	11.04	92	1259512	28.73	PPBV		97
69)	trans-1,3-DICHLOROPROPENE	10.63	75	865448	30.81	PPBV		98
70)	1,1,2-TRICHLOROETHANE	10.78	83	653447	28.95	PPBV		99
72)	2-HEXANONE	11.32	58	763509	27.11	PPBV		97
73)	ETHYL METHACRYLATE	11.35	69	1079158	26.89	PPBV		97
74)	TETRACHLOROETHYLENE	12.16	164	828349	26.89	PPBV		99
75)	DIBROMOCHLOROMETHANE	11.48	129	1256180	26.88	PPBV		100
76)	1,2-DIBROMOETHANE	11.68	107	1049644	27.70	PPBV		100
77)	OCTANE	11.97	43	1464992	25.02	PPBV		96
78)	1,1,1,2-TETRACHLOROETHANE	12.86	131	928147	26.46	PPBV		100
79)	CHLOROBENZENE	12.88	112	1607935	26.87	PPBV		99
80)	ETHYLBENZENE	13.26	91	2577147	25.73	PPBV		98
81)	m,p-XYLENE	13.45	106	2022332	53.13	PPBV		93
82)	o-XYLENE	13.95	106	983870	26.74	PPBV		97
83)	STYRENE	13.85	104	1477725	27.62	PPBV		100
84)	NONANE	14.17	43	1498022	26.08	PPBV		97
85)	BROMOFORM	13.54	173	1300908	27.56	PPBV		98
87)	1,1,2,2-TETRACHLOROETHANE	13.98	83	1565788	26.50	PPBV		99
88)	1,2,3-TRICHLOROPROPANE	14.10	75	1171515	26.65	PPBV		99
89)	ISOPROPYLBENZENE	14.60	105	2741090	25.41	PPBV		97
90)	BROMOBENZENE	14.71	77	1370510	27.63	PPBV		99
91)	2-CHLOROTOLUENE	15.16	126	713323	27.24	PPBV		99
92)	n-PROPYLBENZENE	15.19	120	754478	27.56	PPBV		99
93)	4-ETHYLTOLUENE	15.36	105	2480576	26.50	PPBV		97
94)	1,3,5-TRIMETHYLBENZENE	15.47	105	2168323	26.25	PPBV		98
95)	ALPHA-METHYLSTYRENE	15.68	118	1107755	27.95	PPBV		100
96)	tert-BUTYLBENZENE	15.95	134	538080	28.28	PPBV	#	90
97)	1,2,4-TRIMETHYLBENZENE	15.97	105	2138820	27.18	PPBV		98
98)	m-DICHLOROBENZENE	16.15	146	1334628	29.23	PPBV		98
99)	BENZYL CHLORIDE	16.16	91	1758859	31.11	PPBV		99
100)	p-DICHLOROBENZENE	16.25	146	1322431	29.12	PPBV		98
101)	sec-BUTYLBENZENE	16.29	134	623165	27.88	PPBV	#	86
102)	p-ISOPROPYLTOLUENE	16.50	134	706685	29.62	PPBV	#	85
103)	o-DICHLOROBENZENE	16.68	146	1255250	28.41	PPBV		99
104)	n-BUTYLBENZENE	17.03	134	573027	31.15	PPBV	#	89
105)	HEXACHLOROETHANE	17.51	117	1002433	27.85	PPBV		100
106)	HEXACHLOROBUTADIENE	19.36	225	727745	30.16	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.78	180	532938	39.58	PPBV		98
108)	NAPHTHALENE	18.92	128	1078102	39.57	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50760.D M3W1928.M Tue Nov 03 17:17:25 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50760.D Vial: 1
Acq On : 31 Oct 2015 7:00 am Operator: YOUMINH
Sample : IC1928-30 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:59 2015 Quant Results File: M3W1928.RES

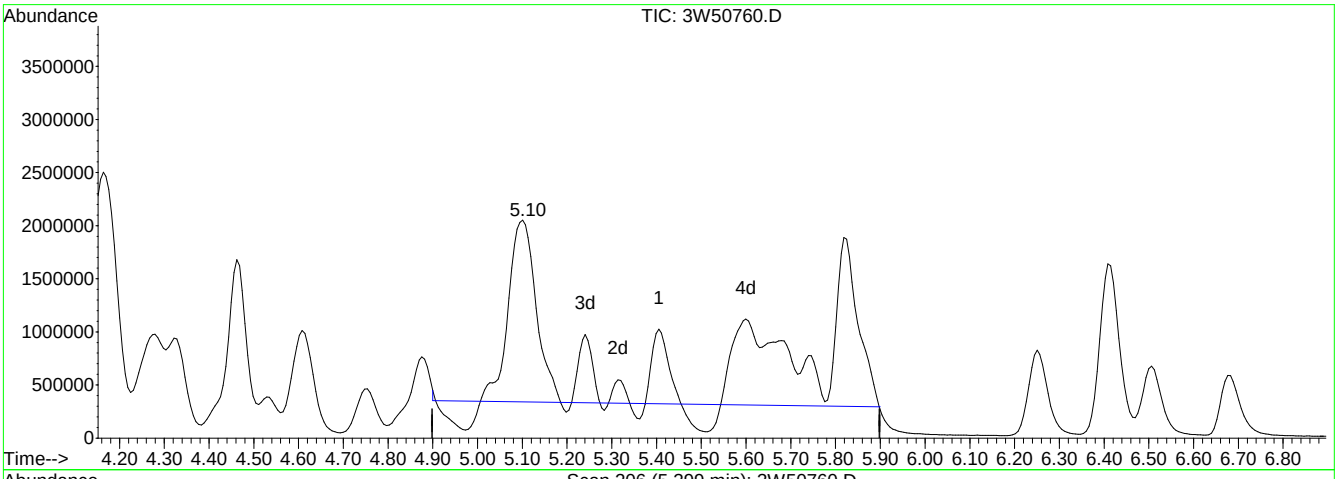
Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

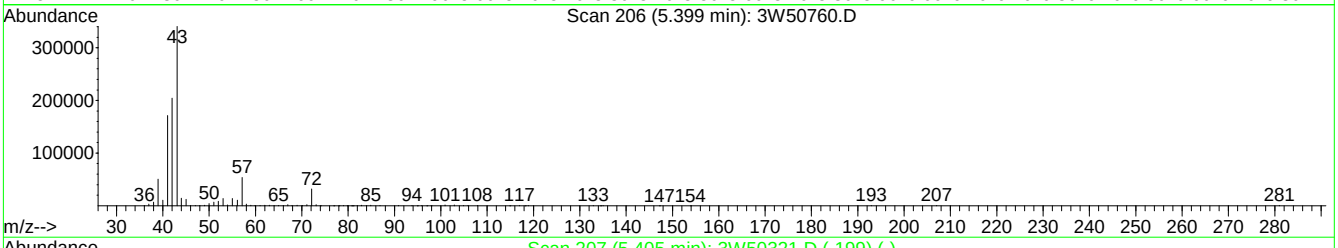


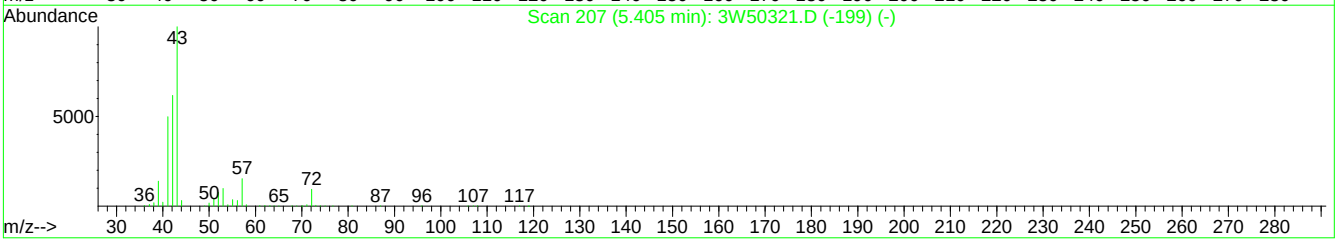
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50760.D Vial: 1
Acq On : 31 Oct 2015 7:00 am Operator: YOUMINH
Sample : IC1928-30 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:58 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50760.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 246.53PPBV m

response 32102108

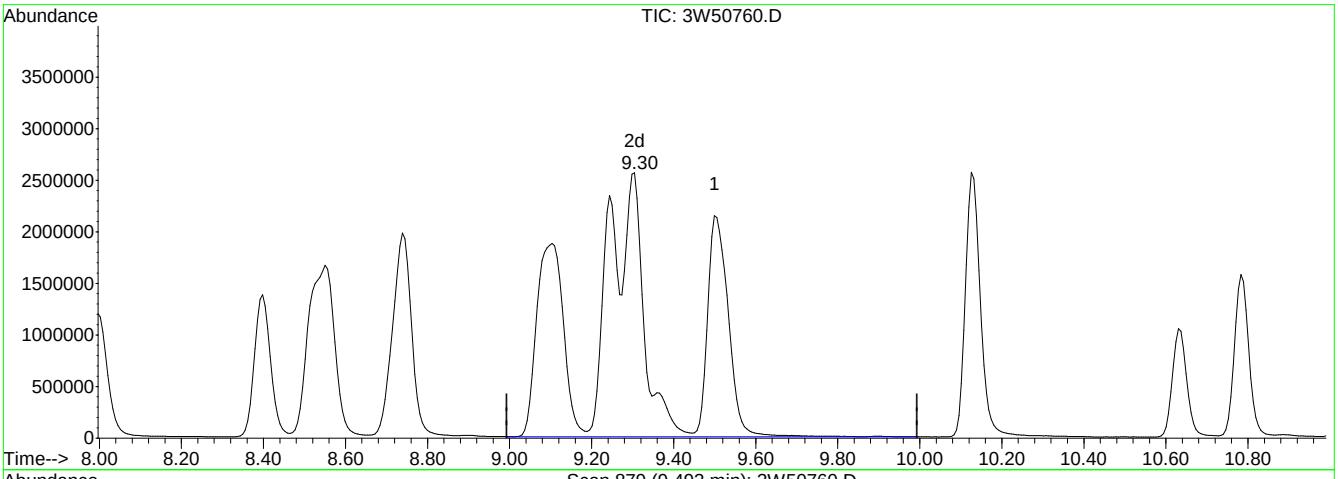
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.43#
0.00	2.00	0.37#
0.00	0.00	0.00

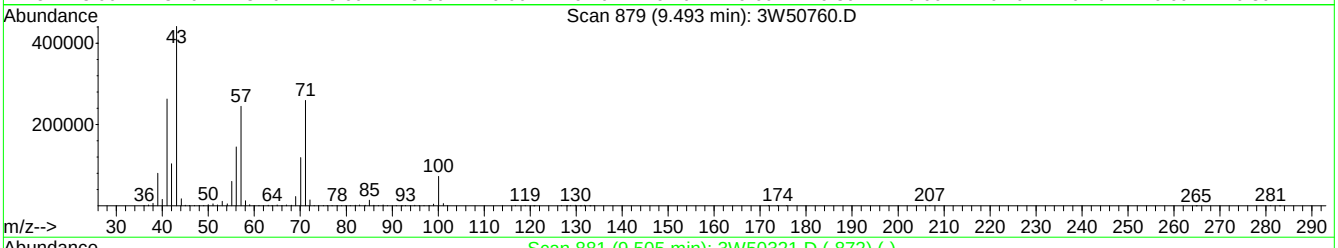
3W50760.D M3W1928.M Mon Nov 02 09:58:43 2015 MS3W

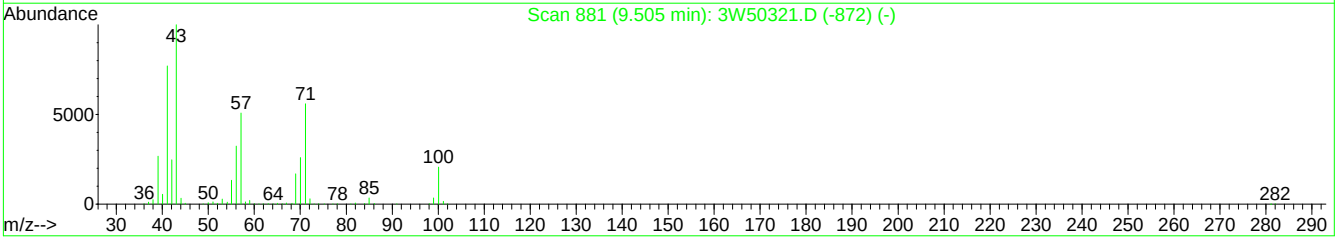
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50760.D Vial: 1
Acq On : 31 Oct 2015 7:00 am Operator: YOUMINH
Sample : IC1928-30 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:58 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50760.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 113.21PPBV m

response 30017955

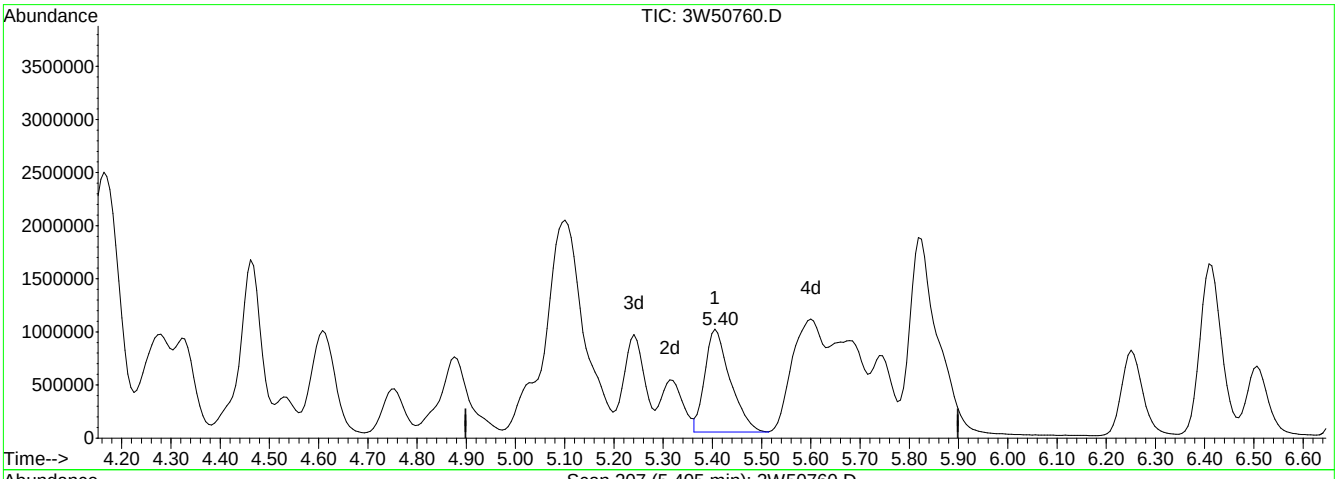
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.46#
0.00	1.00	0.40#
0.00	0.00	0.00

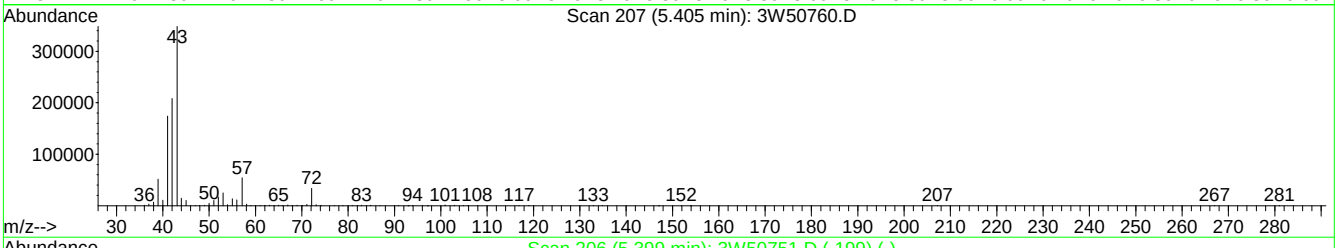
3W50760.D M3W1928.M Mon Nov 02 09:59:12 2015 MS3W

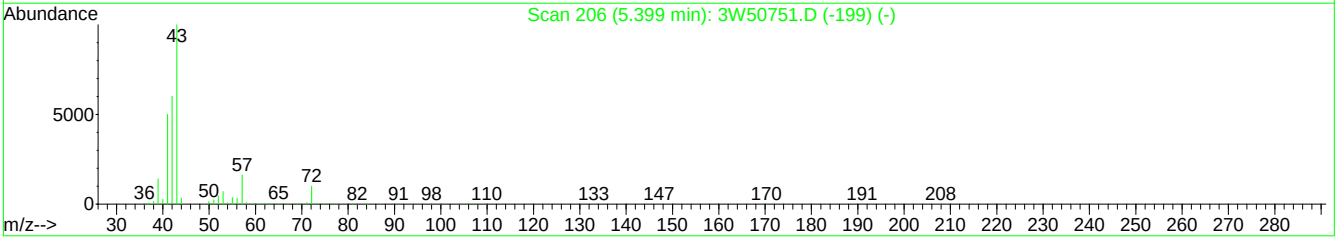
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50760.D Vial: 1
Acq On : 31 Oct 2015 7:00 am Operator: YOUMINH
Sample : IC1928-30 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:59 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50760.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 26.49PPBV m

response 3448870

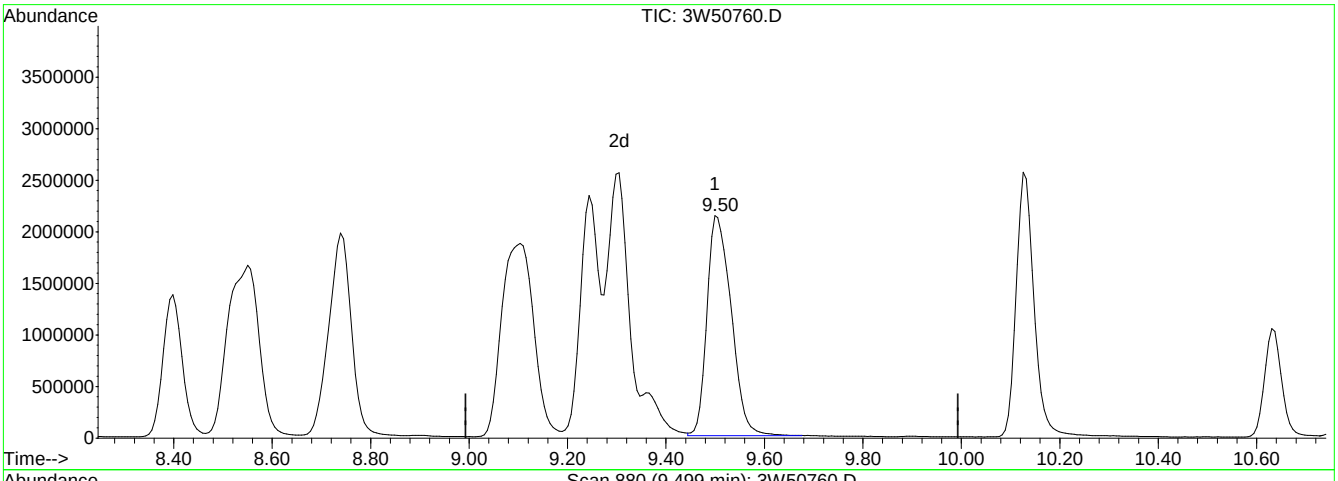
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	3.98#
0.00	2.00	3.44#
0.00	0.00	0.00

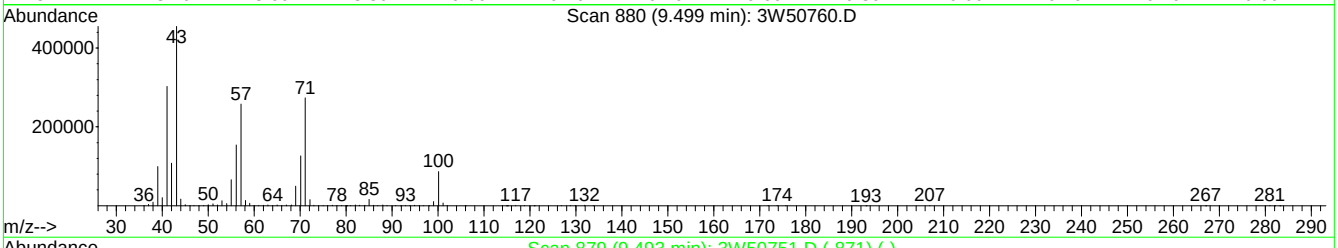
3W50760.D M3W1928.M Mon Nov 02 16:00:21 2015 MS3W

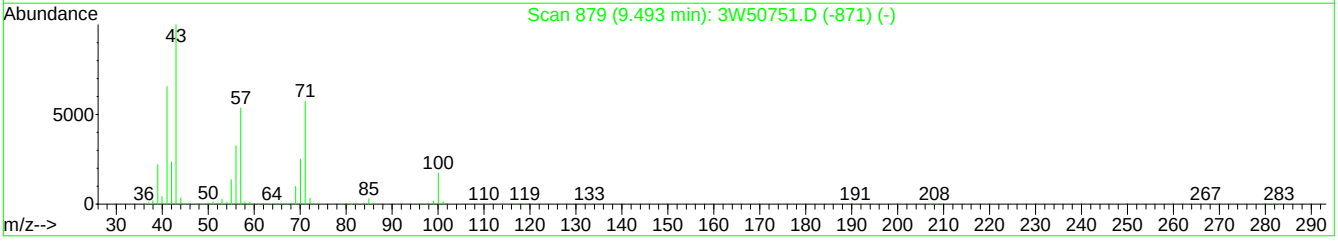
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50760.D Vial: 1
Acq On : 31 Oct 2015 7:00 am Operator: YOUMINH
Sample : IC1928-30 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:59 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50760.D

(64) TVHC as EQUIV HEPTANE (H)

9.50min 27.52PPBV m

response 7296689

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.88#
0.00	1.00	1.63#
0.00	0.00	0.00

3W50760.D M3W1928.M Mon Nov 02 16:01:20 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50762.D Vial: 1
Acq On : 31 Oct 2015 8:24 am Operator: YOUMINH
Sample : IC1928-40 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:33:00 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.15	128	153254	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	8.71	114	763814	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.84	82	417947	10.00	PPBV	0.00

System Monitoring Compounds

86) 4-BROMOFLUOROBENZENE	14.48	95	433072	9.34	PPBV	0.01

Spiked Amount 10.000 Range 65 - 128 Recovery = 93.40%

Target Compounds						Qvalue
4) FREON 152A	4.25	65	509258	35.35	PPBV	96
5) CHLORODIFLUOROMETHANE	4.27	67	183377	35.20	PPBV	97
6) DICHLORODIFLUOROMETHANE	4.33	85	1706623	33.65	PPBV	97
7) PROPYLENE	4.29	41	625391	32.71	PPBV	98
9) FREON 114	4.46	85	1994597	34.25	PPBV	97
10) CHLOROMETHANE	4.42	50	891242	33.98	PPBV	99
11) VINYL CHLORIDE	4.54	62	881280	34.51	PPBV	100
12) 1,3-BUTADIENE	4.60	54	641553	34.04	PPBV	97
13) n-BUTANE	4.62	43	1195920	31.76	PPBV #	98
14) BROMOMETHANE	4.75	94	763611	34.61	PPBV	98
15) CHLOROETHANE	4.83	64	453044	36.07	PPBV	98
16) DICHLOROFLUOROMETHANE	4.88	67	1711221	34.83	PPBV	99
17) ACETONITRILE	5.05	41	638128	36.53	PPBV	98
18) FREON 123	5.08	83	1930788	34.53	PPBV	98
19) FREON 123A	5.12	117	1056080	36.70	PPBV	92
20) TRICHLOROFLUOROMETHANE	5.24	101	1730952	35.04	PPBV	98
22) ISOPROPYL ALCOHOL	5.32	45	1561369	34.00	PPBV	100
23) ACETONE	5.16	58	397935	36.63	PPBV	96
24) PENTANE	5.40	42	838795	33.53	PPBV	99
25) TVHC as EQUIV PENTANE	5.40	TIC	4864702m	35.28	PPBV	
26) IODOMETHANE	5.57	142	2114076	36.30	PPBV	98
27) 1,1-DICHLOROETHYLENE	5.61	96	792660	36.54	PPBV	95
28) CARBON DISULFIDE	5.87	76	2265159	34.53	PPBV	99
29) ETHANOL	4.93	45	367808	34.81	PPBV	99
30) BROMOETHENE	5.02	106	785506	35.59	PPBV	98
31) ACRYLONITRILE	5.44	52	513239	36.83	PPBV	97
32) METHYLENE CHLORIDE	5.69	84	704965	36.22	PPBV	89
33) 3-CHLOROPROPENE	5.75	76	384634	36.83	PPBV	91
34) FREON 113	5.82	151	1308866	37.24	PPBV	97
35) TRANS-1,2-DICHLOROETHYLENE	6.25	96	759895	37.83	PPBV	97
36) TERTIARY BUTYL ALCOHOL	5.65	59	1821973	33.56	PPBV	99
37) METHYL TERTIARY BUTYL ETHE	6.41	73	2095213	34.71	PPBV	99
38) TETRAHYDROFURAN	7.54	72	408282	36.39	PPBV	97
39) HEXANE	7.07	57	1292340	35.29	PPBV	97
40) VINYL ACETATE	6.51	86	176884	39.03	PPBV #	82
41) 1,1-DICHLOROETHANE	6.40	63	1505302	34.37	PPBV	97
42) METHYL ETHYL KETONE	6.68	72	400245	37.17	PPBV	93
43) cis-1,2-DICHLOROETHYLENE	7.04	96	822382	37.38	PPBV	97
44) DIISOPROPYL ETHER	7.10	59	336032	38.47	PPBV #	71
45) ETHYL ACETATE	7.17	61	315247	39.73	PPBV #	78
46) METHYL ACRYLATE	7.18	55	1430181	37.62	PPBV #	99
47) CHLOROFORM	7.24	83	1560394	35.53	PPBV	97
48) 2,4-DIMETHYLPENTANE	7.75	57	1584635	34.95	PPBV	99
49) 1,1,1-TRICHLOROETHANE	8.00	97	1532136	35.19	PPBV	99
50) CARBON TETRACHLORIDE	8.52	117	1571122	35.90	PPBV	98
51) 1,2-DICHLOROETHANE	7.80	62	928087	37.08	PPBV	99
53) BENZENE	8.40	78	2513460	35.99	PPBV	100
54) CYCLOHEXANE	8.56	84	1304083	35.94	PPBV	98
55) 2,3-DIMETHYLPENTANE	8.74	71	594292	36.23	PPBV	91

(#) = qualifier out of range (m) = manual integration
3W50762.D M3W1928.M Tue Nov 03 17:17:28 2015 MS3W

7.7.10

7

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50762.D Vial: 1
Acq On : 31 Oct 2015 8:24 am Operator: YOUMINH
Sample : IC1928-40 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 09:33:00 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

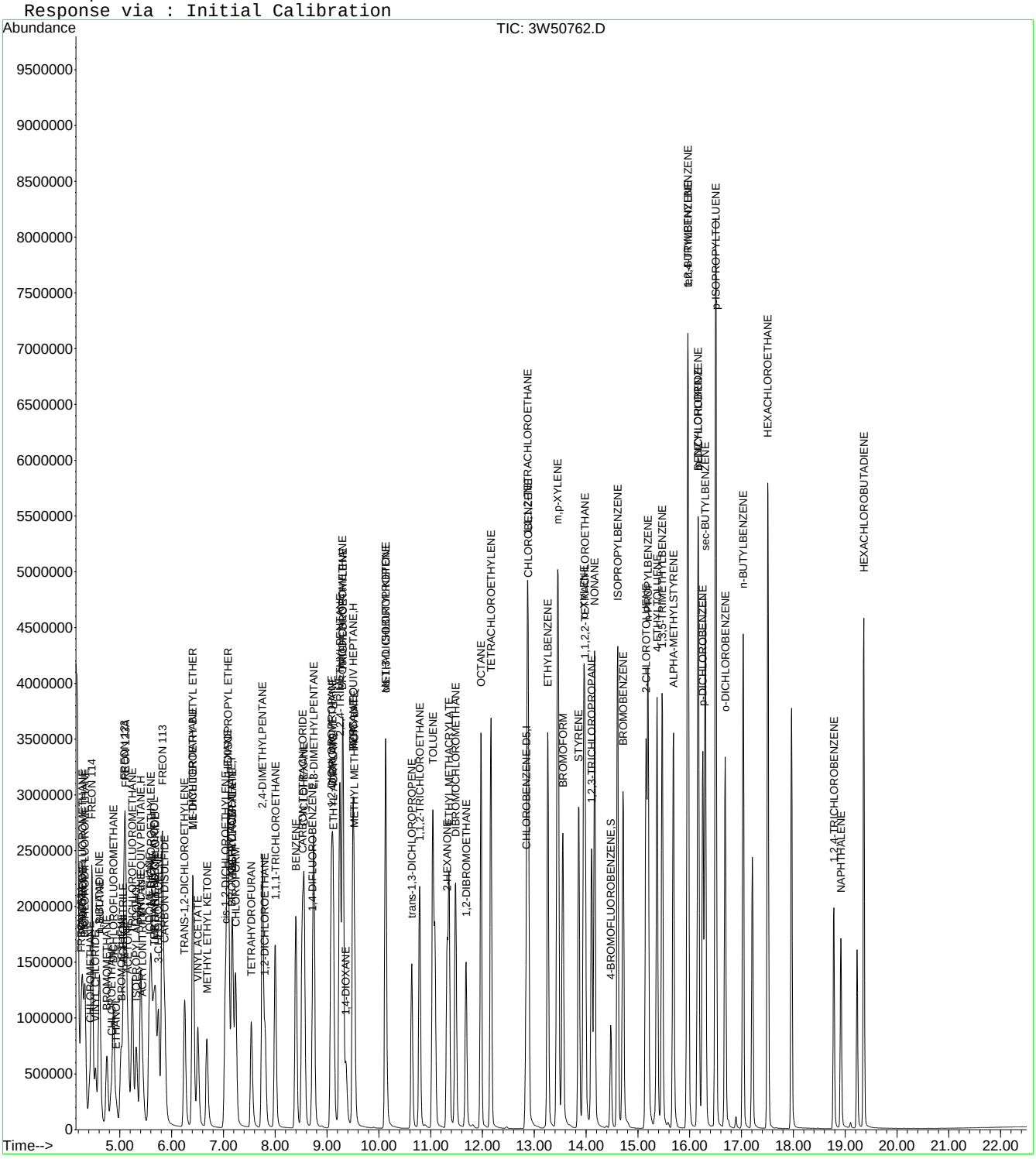
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
56)	TRICHLOROETHYLENE	9.31	95	1058804	38.50	PPBV		98
57)	1,2-DICHLOROPROPANE	9.08	63	1018691	36.63	PPBV		99
58)	DIBROMOMETHANE	9.10	174	996847	40.00	PPBV		98
59)	ETHYL ACRYLATE	9.13	55	1822203	38.56	PPBV	#	98
60)	BROMODICHLOROMETHANE	9.29	83	1714296	36.57	PPBV		98
61)	2,2,4-TRIMETHYLPENTANE	9.24	57	3962503	33.51	PPBV		99
62)	1,4-DIOXANE	9.37	88	587301	38.25	PPBV		98
63)	HEPTANE	9.50	43	1476169	33.82	PPBV		94
64)	TVHC as EQUIV HEPTANE	9.51	TIC	10052848m	35.63	PPBV		
65)	METHYL METHACRYLATE	9.53	69	920513	38.01	PPBV	#	89
66)	METHYL ISOBUTYL KETONE	10.13	58	787721	37.67	PPBV		92
67)	cis-1,3-DICHLOROPROPENE	10.13	75	1503171	38.41	PPBV		96
68)	TOLUENE	11.04	92	1768258	37.90	PPBV		95
69)	trans-1,3-DICHLOROPROPENE	10.64	75	1225152	40.99	PPBV		98
70)	1,1,2-TRICHLOROETHANE	10.79	83	913715	38.04	PPBV		99
72)	2-HEXANONE	11.32	58	1073840	35.40	PPBV		95
73)	ETHYL METHACRYLATE	11.35	69	1502390	34.75	PPBV		97
74)	TETRACHLOROETHYLENE	12.16	164	1169439	35.24	PPBV		98
75)	DIBROMOCHLOROMETHANE	11.48	129	1774011	35.24	PPBV		99
76)	1,2-DIBROMOETHANE	11.68	107	1477233	36.19	PPBV		99
77)	OCTANE	11.97	43	1970102	31.24	PPBV		93
78)	1,1,1,2-TETRACHLOROETHANE	12.86	131	1304723	34.53	PPBV		100
79)	CHLOROBENZENE	12.89	112	2265149	35.14	PPBV		98
80)	ETHYLBENZENE	13.26	91	3508882	32.53	PPBV		96
81)	m,p-XYLENE	13.45	106	2841167	69.29	PPBV	#	88
82)	o-XYLENE	13.95	106	1399573	35.32	PPBV		94
83)	STYRENE	13.86	104	2080101	36.10	PPBV		100
84)	NONANE	14.17	43	1920991	31.04	PPBV		93
85)	BROMOFORM	13.55	173	1861630	36.62	PPBV		97
87)	1,1,2,2-TETRACHLOROETHANE	13.98	83	2126405	33.40	PPBV		98
88)	1,2,3-TRICHLOROPROPANE	14.10	75	1610461	34.01	PPBV		98
89)	ISOPROPYLBENZENE	14.61	105	3755686	32.33	PPBV		95
90)	BROMOBENZENE	14.71	77	1891387	35.40	PPBV		96
91)	2-CHLOROTOLUENE	15.16	126	1030130	36.52	PPBV		98
92)	n-PROPYLBENZENE	15.19	120	1085588	36.81	PPBV		100
93)	4-ETHYLTOLUENE	15.37	105	3436753	34.09	PPBV		95
94)	1,3,5-TRIMETHYLBENZENE	15.47	105	2964305	33.32	PPBV		95
95)	ALPHA-METHYLSTYRENE	15.69	118	1579640	37.00	PPBV		99
96)	tert-BUTYLBENZENE	15.96	134	762961	37.23	PPBV	#	84
97)	1,2,4-TRIMETHYLBENZENE	15.97	105	2936919	34.65	PPBV		97
98)	m-DICHLOROBENZENE	16.16	146	1934854	39.34	PPBV		97
99)	BENZYL CHLORIDE	16.17	91	2551791	41.91	PPBV		96
100)	p-DICHLOROBENZENE	16.25	146	1929203	39.44	PPBV		97
101)	sec-BUTYLBENZENE	16.30	134	903198	37.52	PPBV	#	76
102)	p-ISOPROPYLTOLUENE	16.51	134	1020693	39.71	PPBV	#	77
103)	o-DICHLOROBENZENE	16.68	146	1846677	38.80	PPBV		98
104)	n-BUTYLBENZENE	17.03	134	875131	44.17	PPBV	#	76
105)	HEXACHLOROETHANE	17.51	117	1425906	36.78	PPBV		99
106)	HEXACHLOROBUTADIENE	19.36	225	1020635	39.27	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.78	180	812005	55.99	PPBV		98
108)	NAPHTHALENE	18.92	128	1627306	55.45	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50762.D M3W1928.M Tue Nov 03 17:17:28 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50762.D Vial: 1
Acq On : 31 Oct 2015 8:24 am Operator: YOUMINH
Sample : IC1928-40 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:01 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

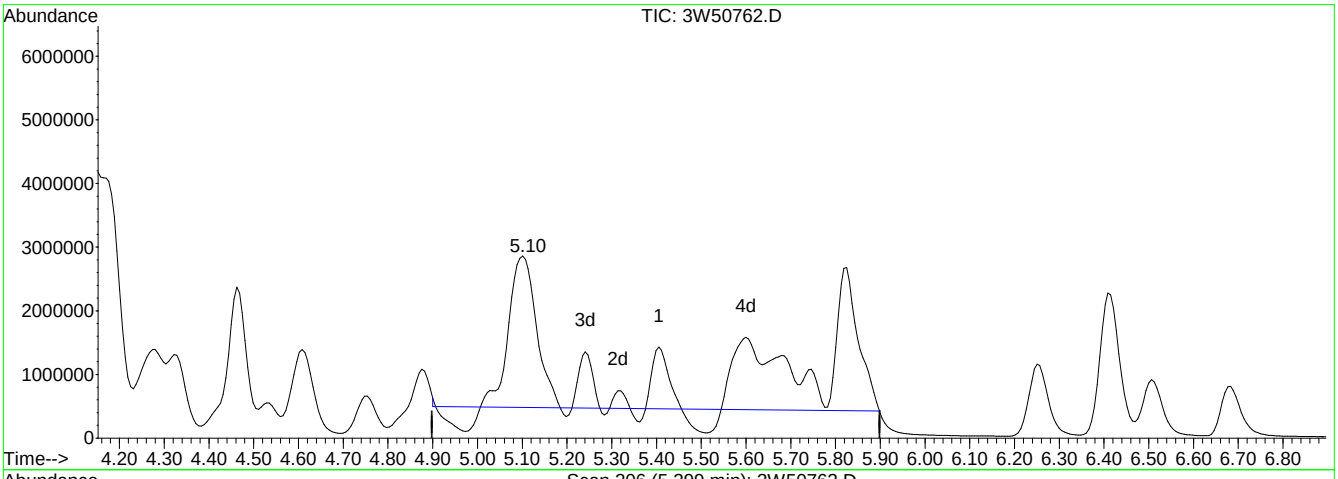


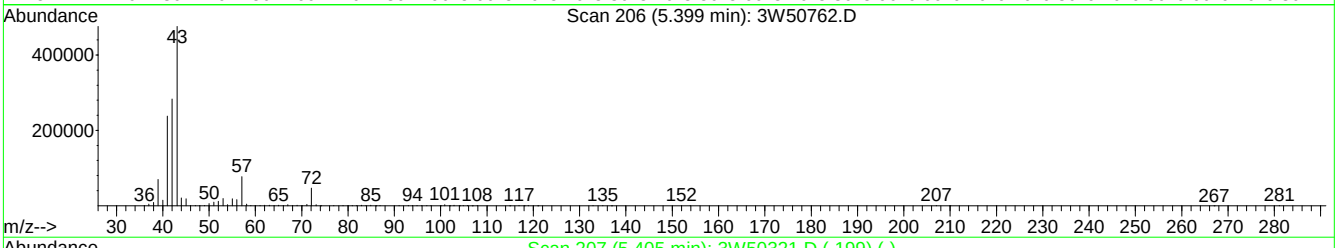
ACCUTEST LABORATORIES JC7272

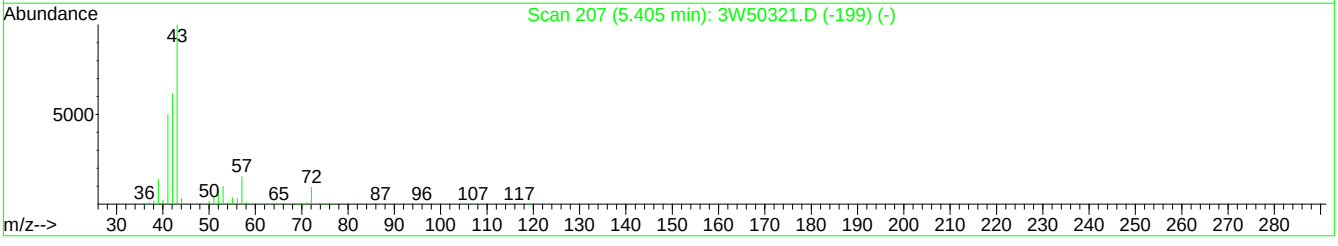
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50762.D Vial: 1
Acq On : 31 Oct 2015 8:24 am Operator: YOUMINH
Sample : IC1928-40 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 9:59 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50762.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 327.19PPBV m

response 45109821

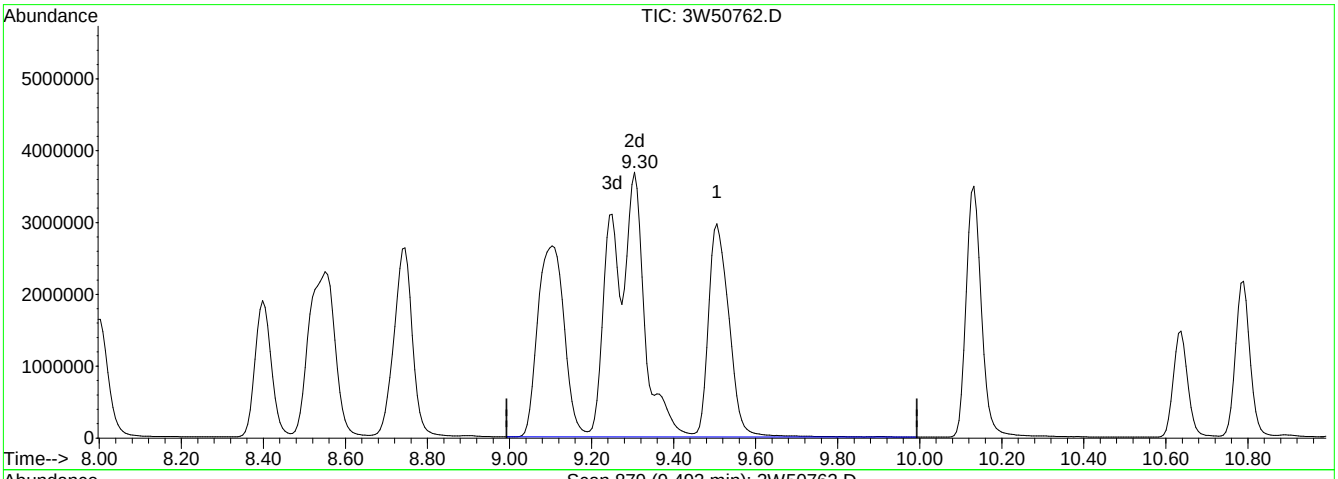
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.47#
0.00	2.00	0.41#
0.00	0.00	0.00

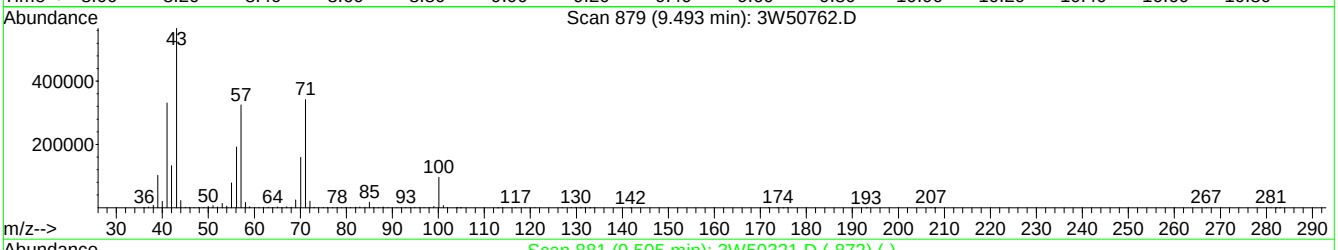
3W50762.D M3W1928.M Mon Nov 02 09:59:58 2015 MS3W

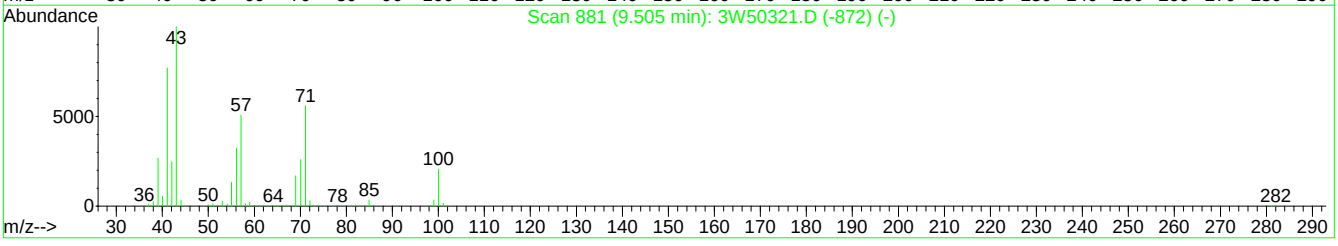
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50762.D Vial: 1
Acq On : 31 Oct 2015 8:24 am Operator: YOUMINH
Sample : IC1928-40 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:00 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 09:31:18 2015
Response via : Multiple Level Calibration







TIC: 3W50762.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 150.82PPBV m

response 42553633

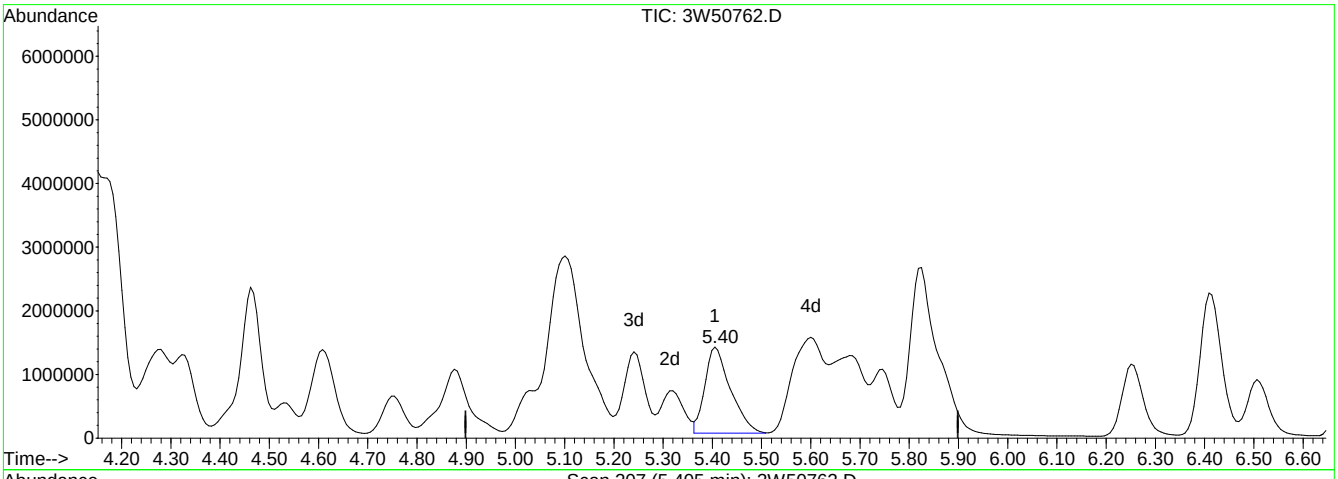
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.50#
0.00	1.00	0.43#
0.00	0.00	0.00

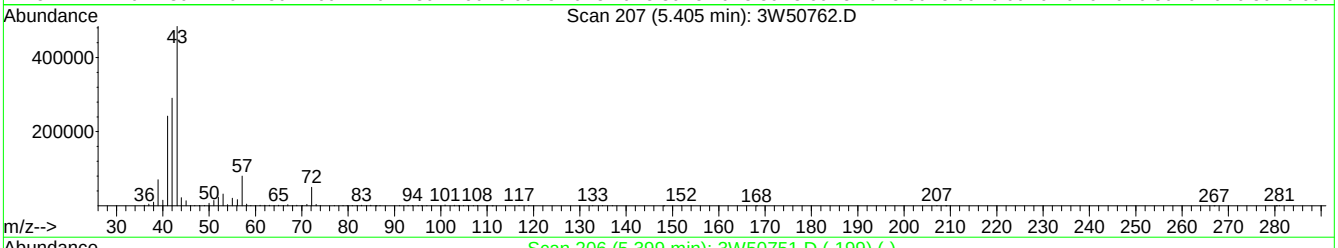
3W50762.D M3W1928.M Mon Nov 02 10:00:55 2015 MS3W

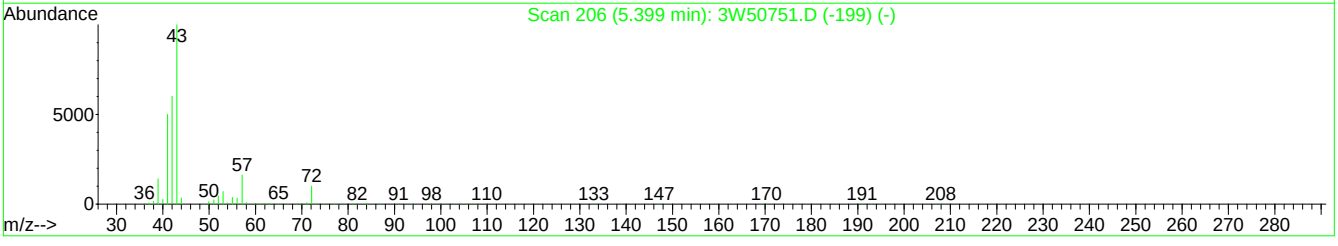
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50762.D Vial: 1
Acq On : 31 Oct 2015 8:24 am Operator: YOUMINH
Sample : IC1928-40 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:01 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50762.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 35.28PPBV m

response 4864702

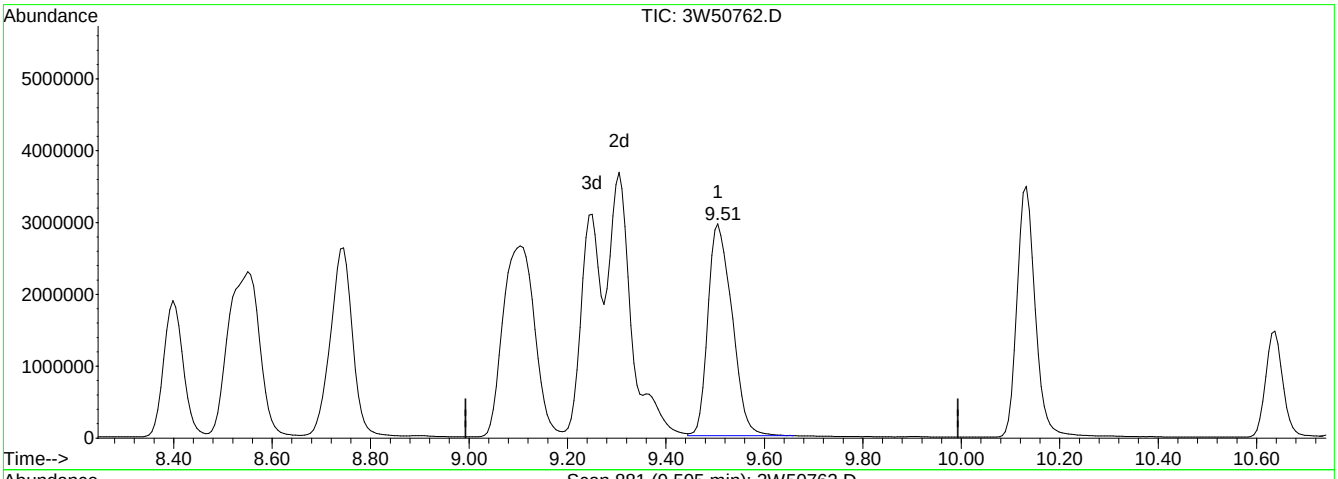
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	4.33#
0.00	2.00	3.79#
0.00	0.00	0.00

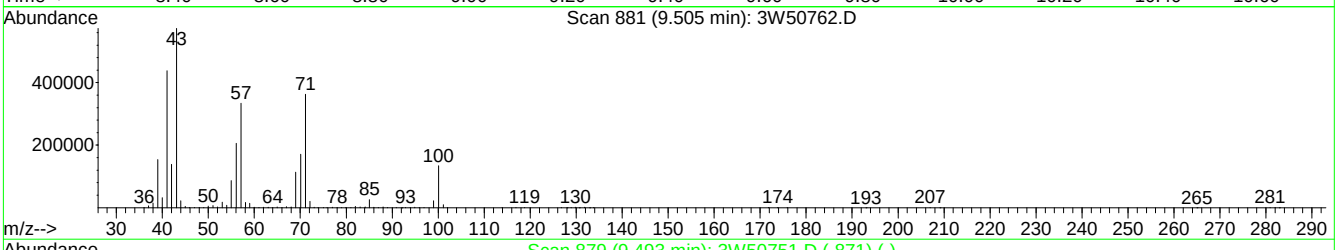
3W50762.D M3W1928.M Mon Nov 02 16:00:33 2015 MS3W

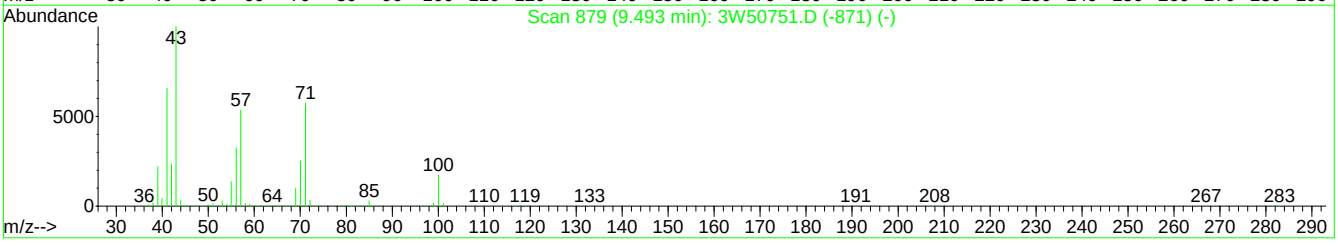
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50762.D Vial: 1
Acq On : 31 Oct 2015 8:24 am Operator: YOUMINH
Sample : IC1928-40 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:01 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50762.D

(64) TVHC as EQUIV HEPTANE (H)

9.51min 35.63PPBV m

response 10052848

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	2.10#
0.00	1.00	1.84#
0.00	0.00	0.00

3W50762.D M3W1928.M Mon Nov 02 16:01:26 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50764.D Vial: 4
Acq On : 31 Oct 2015 9:46 am Operator: YOUMINH
Sample : ICV1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 10:11:41 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.14	128	151612	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	729502	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.83	82	349671	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.46	95	390359	11.46	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 114.60%			
Target Compounds						Qvalue
4) FREON 152A	4.25	65	138050	9.46	PPBV	98
5) CHLORODIFLUOROMETHANE	4.27	67	48696	9.76	PPBV	99
6) DICHLORODIFLUOROMETHANE	4.33	85	488365	9.86	PPBV	97
7) PROPYLENE	4.29	41	174634	9.59	PPBV	98
9) FREON 114	4.46	85	545465	9.36	PPBV	97
10) CHLOROMETHANE	4.42	50	240288	9.18	PPBV	99
11) VINYL CHLORIDE	4.53	62	232890	9.36	PPBV	99
12) 1,3-BUTADIENE	4.60	54	164403	9.04	PPBV	97
13) n-BUTANE	4.61	43	327688	9.16	PPBV	99
14) BROMOMETHANE	4.75	94	205333	9.23	PPBV	99
15) CHLOROETHANE	4.83	64	115646	9.05	PPBV	98
16) DICHLOROFLUOROMETHANE	4.88	67	444307	9.10	PPBV	99
17) ACETONITRILE	5.05	41	147974	8.92	PPBV	99
18) FREON 123	5.08	83	510033	9.08	PPBV	99
19) FREON 123A	5.11	117	279205	9.84	PPBV	89
20) TRICHLOROFLUOROMETHANE	5.24	101	462441	9.43	PPBV	99
22) ISOPROPYL ALCOHOL	5.31	45	380195	8.99	PPBV	99
23) ACETONE	5.16	58	93228	8.74	PPBV	99
24) PENTANE	5.40	42	214538	8.73	PPBV	99
25) TVHC as EQUIV PENTANE	5.40	TIC	1178558m	8.54	PPBV	
26) IODOMETHANE	5.56	142	570337	9.96	PPBV	99
27) 1,1-DICHLOROETHYLENE	5.61	96	206705	9.30	PPBV	94
28) CARBON DISULFIDE	5.86	76	613565	9.34	PPBV	100
29) ETHANOL	4.92	45	86148	7.81	PPBV	99
30) BROMOETHENE	5.02	106	208435	9.69	PPBV	99
31) ACRYLONITRILE	5.44	52	120365	9.38	PPBV	94
32) METHYLENE CHLORIDE	5.68	84	185606	9.30	PPBV	93
33) 3-CHLOROPROPENE	5.74	76	95537	9.21	PPBV	91
34) FREON 113	5.82	151	348431	10.09	PPBV	97
35) TRANS-1,2-DICHLOROETHYLENE	6.24	96	195788	9.83	PPBV	96
36) TERTIARY BUTYL ALCOHOL	5.65	59	470354	8.81	PPBV	99
37) METHYL TERTIARY BUTYL ETHE	6.41	73	554185	9.88	PPBV	99
38) TETRAHYDROFURAN	7.54	72	102480	10.37	PPBV	97
39) HEXANE	7.07	57	336141	9.34	PPBV	99
40) VINYL ACETATE	6.50	86	41780	10.10	PPBV #	88
41) 1,1-DICHLOROETHANE	6.40	63	401954	9.24	PPBV	99
42) METHYL ETHYL KETONE	6.68	72	95651	9.88	PPBV	99
43) cis-1,2-DICHLOROETHYLENE	7.02	96	208537	9.69	PPBV	98
44) DIISOPROPYL ETHER	7.09	59	70723	8.57	PPBV #	76
45) ETHYL ACETATE	7.16	61	74535	9.62	PPBV #	90
46) METHYL ACRYLATE	7.17	55	335900	9.86	PPBV #	100
47) CHLOROFORM	7.22	83	415820	9.72	PPBV	99
48) 2,4-DIMETHYLPENTANE	7.75	57	419921	9.49	PPBV	99
49) 1,1,1-TRICHLOROETHANE	7.99	97	416377	9.75	PPBV	99
50) CARBON TETRACHLORIDE	8.51	117	417431	9.65	PPBV	99
51) 1,2-DICHLOROETHANE	7.80	62	231556	9.87	PPBV	99
53) BENZENE	8.39	78	640195	9.51	PPBV	99
54) CYCLOHEXANE	8.55	84	341311	9.60	PPBV	99
55) 2,3-DIMETHYLPENTANE	8.73	71	153004	9.54	PPBV	99

(#) = qualifier out of range (m) = manual integration
3W50764.D M3W1928.M Tue Nov 03 17:17:30 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50764.D Vial: 4
Acq On : 31 Oct 2015 9:46 am Operator: YOUMINH
Sample : ICV1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 02 10:11:41 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	TRICHLOROETHYLENE	9.30	95	251458	9.28	PPBV	100
57)	1,2-DICHLOROPROPANE	9.07	63	260374	9.43	PPBV	100
58)	DIBROMOMETHANE	9.09	174	235010	10.17	PPBV	98
59)	ETHYL ACRYLATE	9.12	55	415586	10.27	PPBV	100
60)	BROMODICHLOROMETHANE	9.28	83	434173	9.67	PPBV	99
61)	2,2,4-TRIMETHYLPENTANE	9.24	57	1076435	9.70	PPBV	100
62)	1,4-DIOXANE	9.37	88	137495	10.13	PPBV	98
63)	HEPTANE	9.49	43	390727	9.54	PPBV	98
64)	TVHC as EQUIV HEPTANE	9.49	TIC	2526956m	10.94	PPBV	
65)	METHYL METHACRYLATE	9.52	69	217852	10.32	PPBV	97
66)	METHYL ISOBUTYL KETONE	10.13	58	183255	10.59	PPBV	99
67)	cis-1,3-DICHLOROPROPENE	10.12	75	337777	9.58	PPBV	99
68)	TOLUENE	11.03	92	430445	9.94	PPBV	100
69)	trans-1,3-DICHLOROPROPENE	10.62	75	268627	10.40	PPBV	98
70)	1,1,2-TRICHLOROETHANE	10.78	83	221674	9.89	PPBV	99
72)	2-HEXANONE	11.31	58	234686	10.40	PPBV	98
73)	ETHYL METHACRYLATE	11.34	69	342821	10.32	PPBV	100
74)	TETRACHLOROETHYLENE	12.15	164	280118	9.53	PPBV	99
75)	DIBROMOCHLOROMETHANE	11.46	129	421872	9.77	PPBV	99
76)	1,2-DIBROMOETHANE	11.67	107	338175	10.21	PPBV	100
77)	OCTANE	11.96	43	508534	10.24	PPBV	98
78)	1,1,1,2-TETRACHLOROETHANE	12.85	131	314550	10.27	PPBV	99
79)	CHLOROBENZENE	12.88	112	519562	9.76	PPBV	99
80)	ETHYLBENZENE	13.25	91	884406	9.87	PPBV	99
81)	m,p-XYLENE	13.44	106	669687	19.93	PPBV	100
82)	o-XYLENE	13.94	106	329179	10.06	PPBV	100
83)	STYRENE	13.85	104	464523	10.47	PPBV	100
84)	NONANE	14.15	43	487584	10.46	PPBV	99
85)	BROMOFORM	13.53	173	421013	10.21	PPBV	100
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	507870	9.77	PPBV	99
88)	1,2,3-TRICHLOROPROPANE	14.09	75	375359	9.73	PPBV	99
89)	ISOPROPYLBENZENE	14.60	105	951275	10.24	PPBV	99
90)	BROMOBENZENE	14.70	77	428867	9.55	PPBV	98
91)	2-CHLOROTOLUENE	15.14	126	231189	10.38	PPBV	99
92)	n-PROPYLBENZENE	15.18	120	237096	10.57	PPBV	100
93)	4-ETHYLTOLUENE	15.36	105	814565	10.90	PPBV	100
94)	1,3,5-TRIMETHYLBENZENE	15.46	105	720519	10.58	PPBV	100
95)	ALPHA-METHYLSTYRENE	15.67	118	341217	10.80	PPBV	100
96)	tert-BUTYLBENZENE	15.95	134	165775	10.49	PPBV	100
97)	1,2,4-TRIMETHYLBENZENE	15.95	105	681869	10.71	PPBV	100
98)	m-DICHLOROBENZENE	16.15	146	392643	10.33	PPBV	100
99)	BENZYL CHLORIDE	16.15	91	467466	9.81	PPBV	100
100)	p-DICHLOROBENZENE	16.24	146	386105	9.90	PPBV	99
101)	sec-BUTYLBENZENE	16.29	134	194972	10.77	PPBV	98
102)	p-ISOPROPYLTOLUENE	16.49	134	206072	10.68	PPBV	98
103)	o-DICHLOROBENZENE	16.67	146	385993	10.26	PPBV	99
104)	n-BUTYLBENZENE	17.02	134	153799	10.20	PPBV	98
105)	HEXACHLOROETHANE	17.50	117	316783	10.08	PPBV	99
106)	HEXACHLOROBUTADIENE	19.35	225	205239	9.10	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.78	180	113524	8.52	PPBV	100
108)	NAPHTHALENE	18.92	128	230015	8.53	PPBV	99

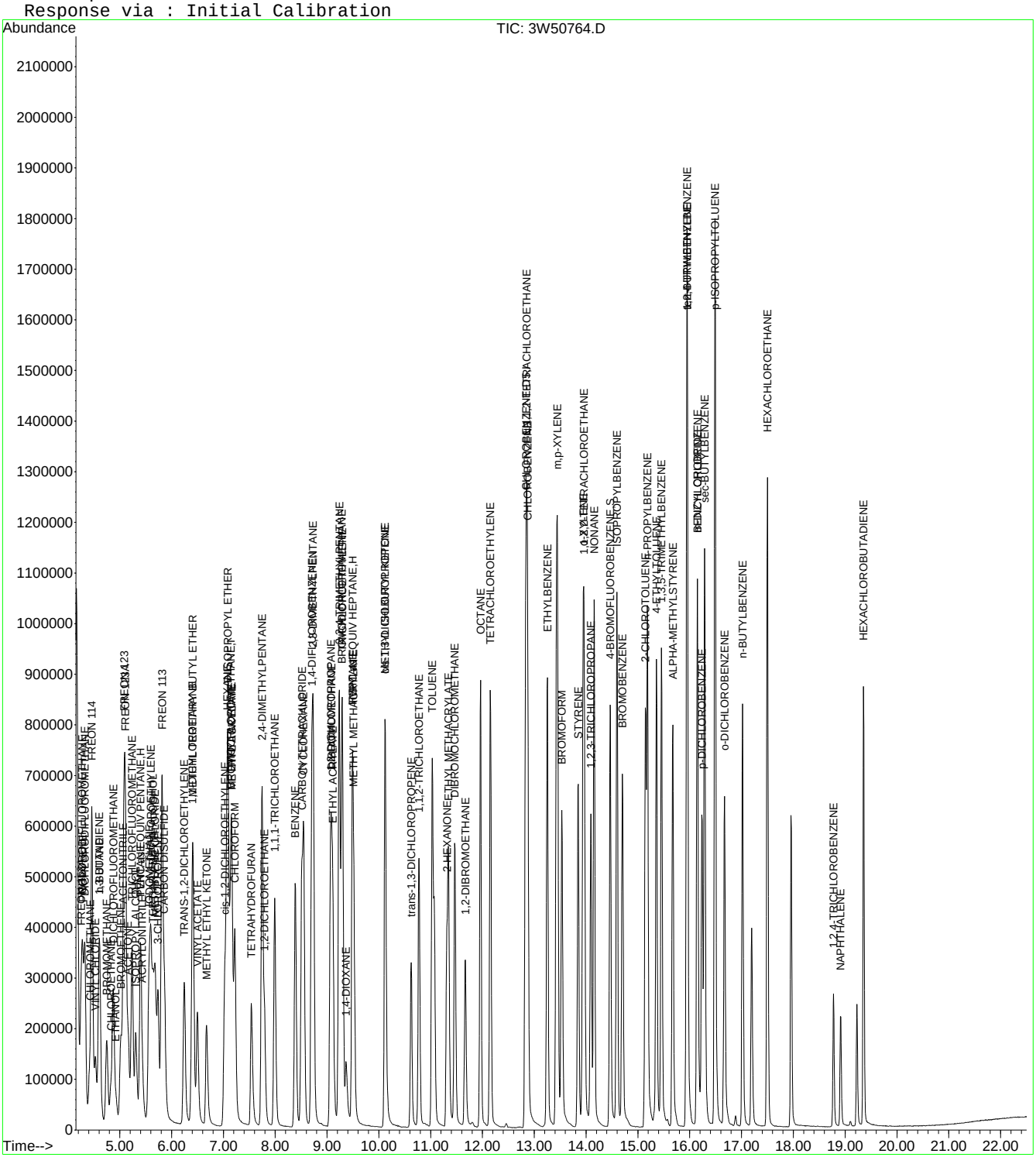
(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50764.D M3W1928.M Tue Nov 03 17:17:31 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50764.D
Acq On : 31 Oct 2015 9:46 am
Sample : ICV1928-10
Misc : MS93360,V3W1928,,,,,1
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:12 2015

Vial: 4
Operator: YOUMINH
Inst : MS3W
Multiplr: 1.00
Quant Results File: M3W1928.RES

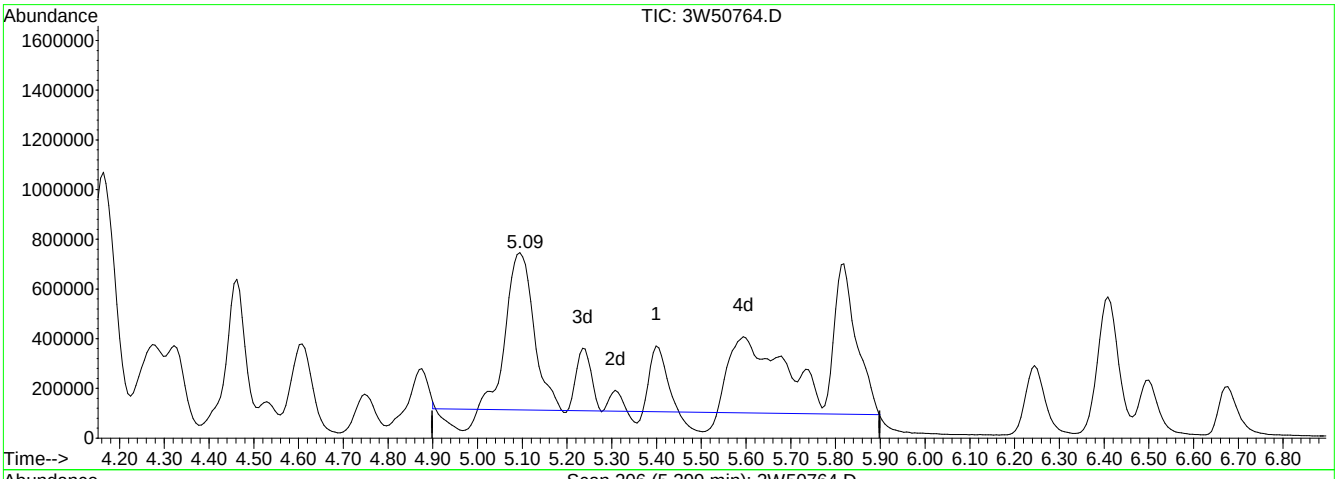
Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

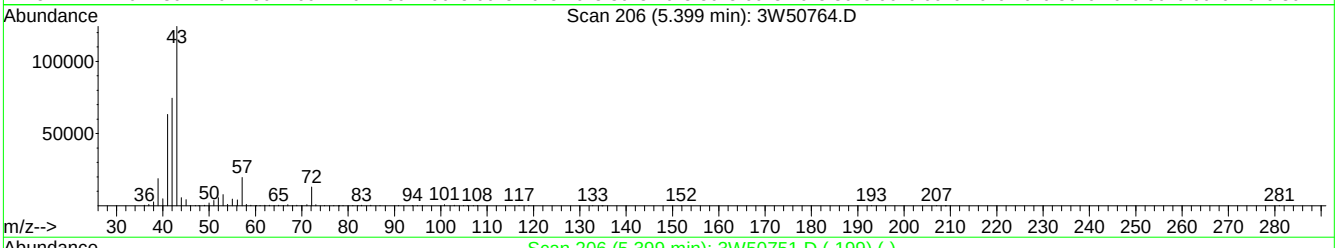


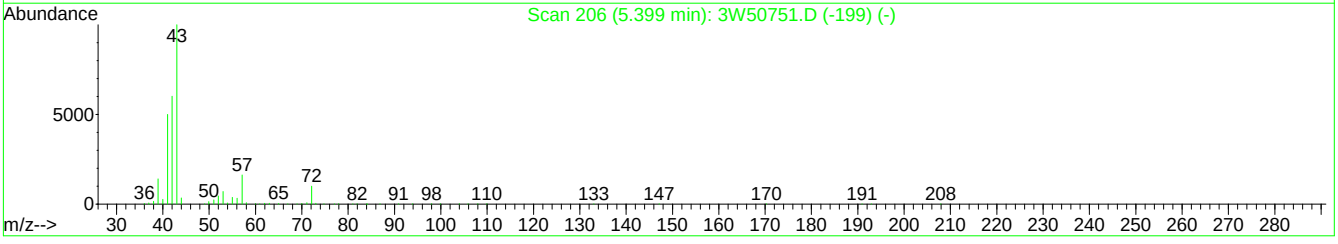
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50764.D Vial: 4
Acq On : 31 Oct 2015 9:46 am Operator: YOUMINH
Sample : ICV1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:11 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50764.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 84.40PPBV m

response 11643773

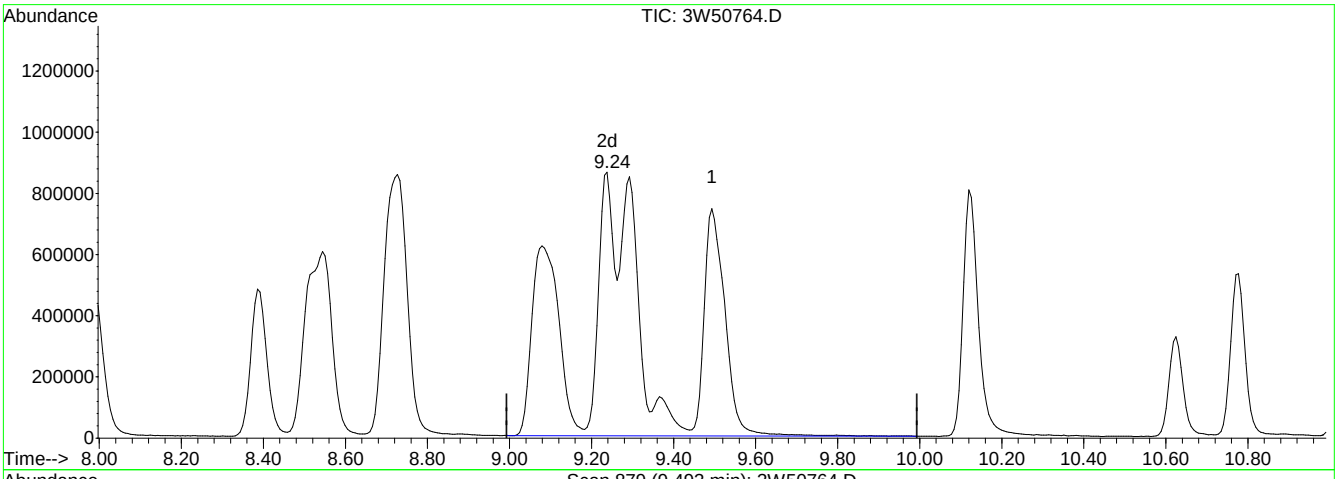
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.24#
0.00	2.00	0.20#
0.00	0.00	0.00

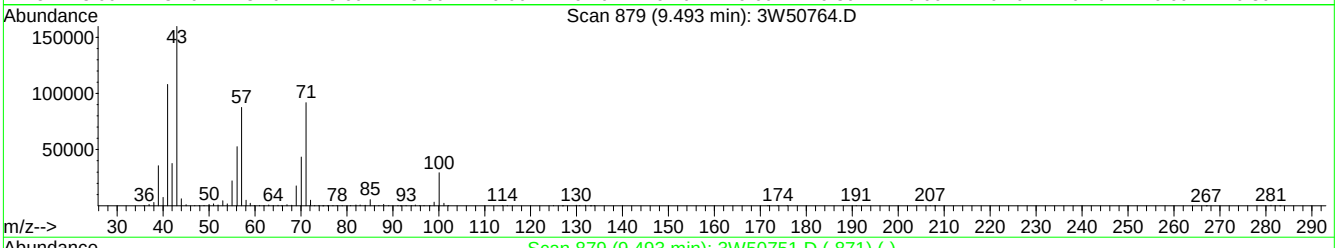
3W50764.D M3W1928.M Mon Nov 02 10:12:02 2015 MS3W

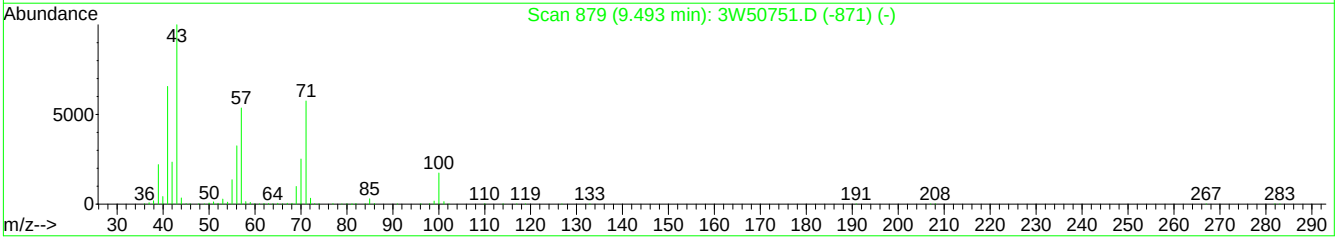
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50764.D Vial: 4
Acq On : 31 Oct 2015 9:46 am Operator: YOUMINH
Sample : ICV1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:12 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50764.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 33.98PPBV m

response 7852235

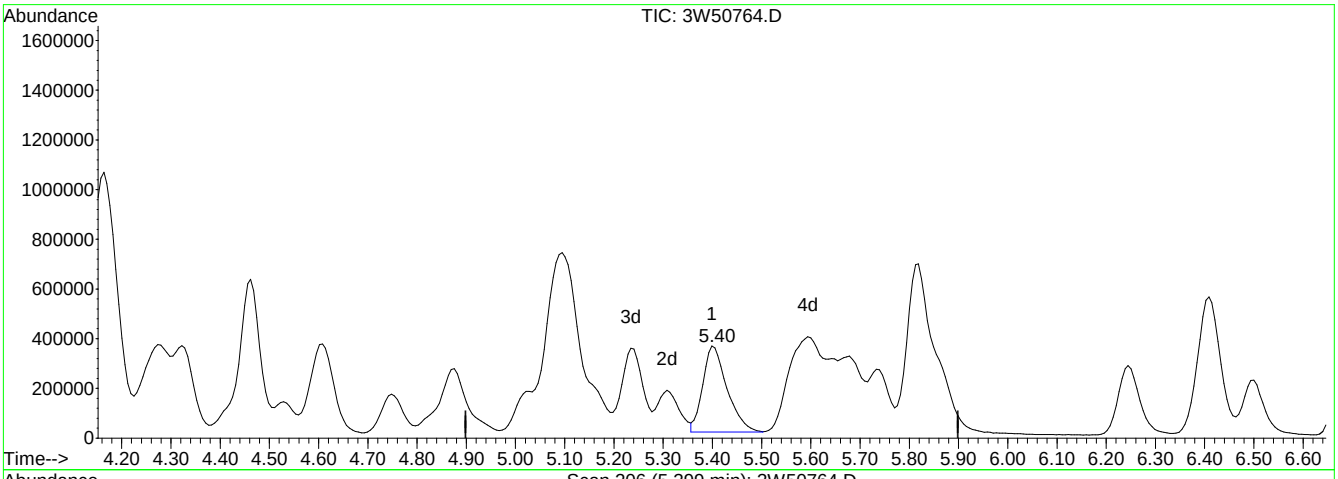
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.35#
0.00	1.00	0.29#
0.00	0.00	0.00

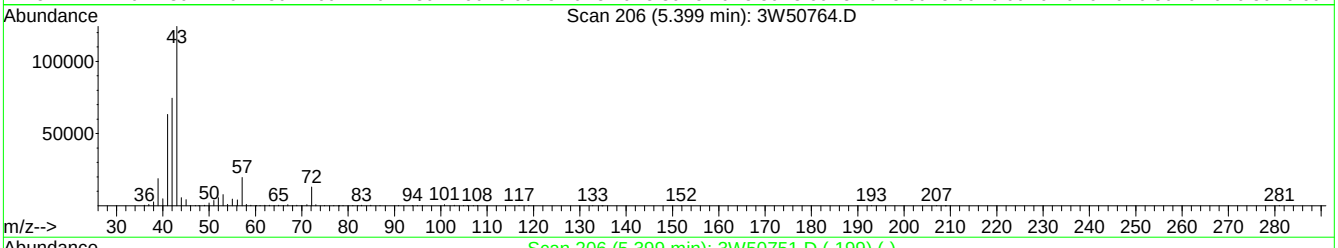
3W50764.D M3W1928.M Mon Nov 02 10:12:41 2015 MS3W

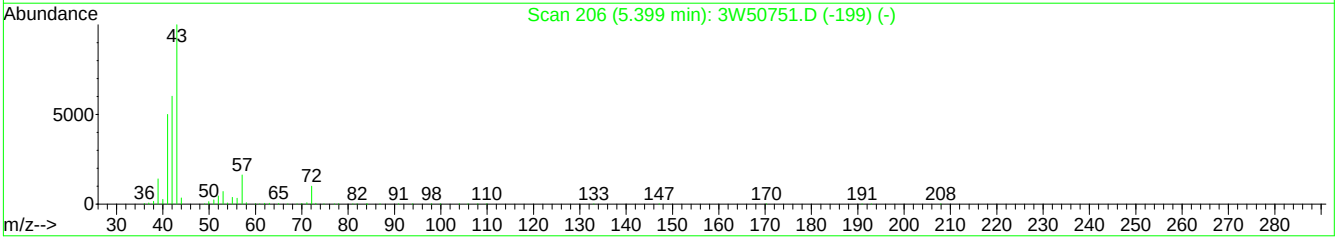
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50764.D Vial: 4
Acq On : 31 Oct 2015 9:46 am Operator: YOUMINH
Sample : ICV1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:12 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50764.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 8.54PPBV m

response 1178558

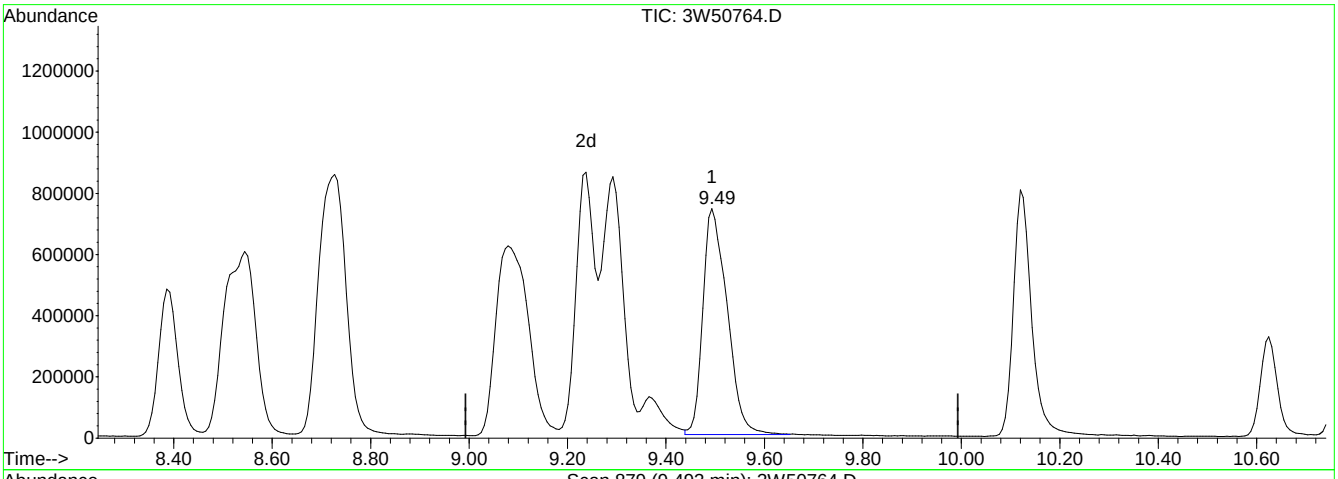
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	2.35#
0.00	2.00	1.94#
0.00	0.00	0.00

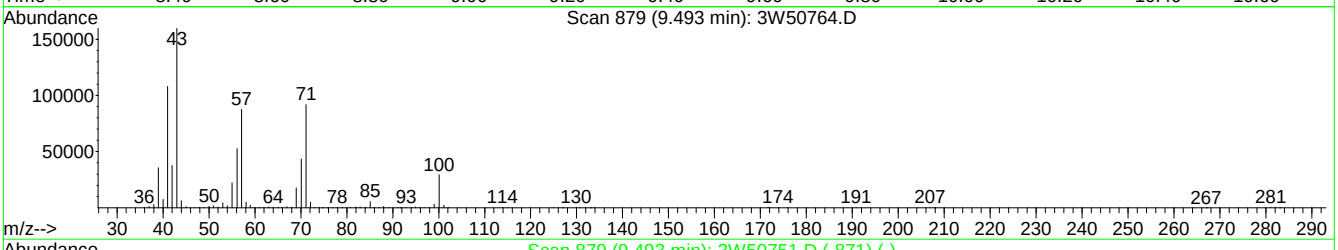
3W50764.D M3W1928.M Mon Nov 02 16:00:46 2015 MS3W

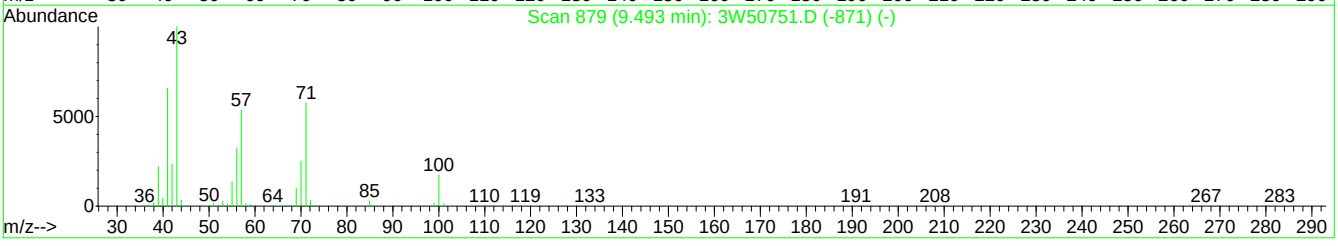
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50764.D Vial: 4
Acq On : 31 Oct 2015 9:46 am Operator: YOUMINH
Sample : ICV1928-10 Inst : MS3W
Misc : MS93360,V3W1928,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 2 10:12 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50764.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 10.94PPBV m

response 2526956

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.09#
0.00	1.00	0.91#
0.00	0.00	0.00

3W50764.D M3W1928.M Mon Nov 02 16:01:32 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50795.D Vial: 2
Acq On : 3 Nov 2015 10:00 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS79337,V3W1930,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 09:31:50 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	123002	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	584915	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.83	82	297981	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.46	95	327499	11.29	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.90%			
Target Compounds						Qvalue
4) FREON 152A	4.24	65	130906	11.05	PPBV	98
5) CHLORODIFLUOROMETHANE	4.27	67	50181	12.40	PPBV	96
6) DICHLORODIFLUOROMETHANE	4.32	85	474523	11.81	PPBV	97
7) PROPYLENE	4.29	41	185687	12.57	PPBV	99
9) FREON 114	4.46	85	519048	10.98	PPBV	98
10) CHLOROMETHANE	4.42	50	249436	11.74	PPBV	100
11) VINYL CHLORIDE	4.53	62	230725	11.43	PPBV	99
12) 1,3-BUTADIENE	4.59	54	168592	11.43	PPBV	95
13) n-BUTANE	4.61	43	357932	12.34	PPBV #	99
14) BROMOMETHANE	4.74	94	188297	10.43	PPBV	100
15) CHLOROETHANE	4.83	64	111714	10.78	PPBV	98
16) DICHLOROFLUOROMETHANE	4.87	67	439734	11.10	PPBV	99
17) ACETONITRILE	5.05	41	161463	11.99	PPBV	99
18) FREON 123	5.08	83	482167	10.59	PPBV	100
19) FREON 123A	5.11	117	246795	10.72	PPBV	99
20) TRICHLOROFLUOROMETHANE	5.23	101	442810	11.13	PPBV	99
22) ISOPROPYL ALCOHOL	5.30	45	396904	11.57	PPBV	100
23) ACETONE	5.16	58	96458	11.15	PPBV	96
24) PENTANE	5.39	42	230053	11.54	PPBV	99
25) TVHC as EQUIV PENTANE	5.40	TIC	1238252m	11.06	PPBV	
26) IODOMETHANE	5.56	142	484072	10.42	PPBV	95
27) 1,1-DICHLOROETHYLENE	5.60	96	183910	10.20	PPBV	95
28) CARBON DISULFIDE	5.86	76	571497	10.73	PPBV	97
29) ETHANOL	4.92	45	94873	10.60	PPBV	99
30) BROMOETHENE	5.02	106	185873	10.65	PPBV	99
31) ACRYLONITRILE	5.43	52	119331	11.46	PPBV	97
32) METHYLENE CHLORIDE	5.68	84	168976	10.43	PPBV	92
33) 3-CHLOROPROPENE	5.73	76	86740	10.31	PPBV #	86
34) FREON 113	5.81	151	292351	10.43	PPBV	97
35) TRANS-1,2-DICHLOROETHYLENE	6.24	96	170183	10.53	PPBV	98
36) TERTIARY BUTYL ALCOHOL	5.64	59	458598	10.59	PPBV	97
37) METHYL TERTIARY BUTYL ETHE	6.41	73	495740	10.90	PPBV	97
38) TETRAHYDROFURAN	7.53	72	88898	11.09	PPBV #	91
39) HEXANE	7.06	57	314069	10.76	PPBV	95
40) VINYL ACETATE	6.49	86	35292	10.52	PPBV #	75
41) 1,1-DICHLOROETHANE	6.39	63	377193	10.68	PPBV	99
42) METHYL ETHYL KETONE	6.67	72	85794	10.93	PPBV #	85
43) cis-1,2-DICHLOROETHYLENE	7.02	96	183656	10.51	PPBV	97
44) DIISOPROPYL ETHER	7.09	59	72122	10.78	PPBV #	91
45) ETHYL ACETATE	7.16	61	64981	10.33	PPBV #	90
46) METHYL ACRYLATE	7.16	55	314665	11.38	PPBV #	100
47) CHLOROFORM	7.22	83	380136	10.96	PPBV	98
48) 2,4-DIMETHYLPENTANE	7.74	57	390119	10.86	PPBV	98
49) 1,1,1-TRICHLOROETHANE	7.98	97	380441	10.98	PPBV	100
50) CARBON TETRACHLORIDE	8.51	117	382697	10.90	PPBV	100
51) 1,2-DICHLOROETHANE	7.79	62	219584	11.54	PPBV	99
53) BENZENE	8.39	78	592444	10.98	PPBV	99
54) CYCLOHEXANE	8.54	84	305871	10.73	PPBV	97
55) 2,3-DIMETHYLPENTANE	8.73	71	138167	10.74	PPBV	93

(#) = qualifier out of range (m) = manual integration
3W50795.D M3W1928.M Wed Nov 04 12:19:07 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50795.D Vial: 2
Acq On : 3 Nov 2015 10:00 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS79337,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 09:31:50 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
56)	TRICHLOROETHYLENE	9.29	95	224065	10.31 PPBV	99
57)	1,2-DICHLOROPROPANE	9.06	63	239893	10.84 PPBV	99
58)	DIBROMOMETHANE	9.09	174	204466	11.04 PPBV	98
59)	ETHYL ACRYLATE	9.11	55	381458	11.76 PPBV	100
60)	BROMODICHLOROMETHANE	9.28	83	408762	11.36 PPBV	99
61)	2,2,4-TRIMETHYLPENTANE	9.23	57	1018827	11.45 PPBV	99
62)	1,4-DIOXANE	9.37	88	120785	11.10 PPBV	96
63)	HEPTANE	9.49	43	387921	11.81 PPBV	97
64)	TVHC as EQUIV HEPTANE	9.49	TIC	2404250m	12.98 PPBV	
65)	METHYL METHACRYLATE	9.52	69	195821	11.57 PPBV	92
66)	METHYL ISOBUTYL KETONE	10.12	58	167523	12.07 PPBV	96
67)	cis-1,3-DICHLOROPROPENE	10.11	75	324828	11.49 PPBV	96
68)	TOLUENE	11.03	92	390625	11.25 PPBV	99
69)	trans-1,3-DICHLOROPROPENE	10.62	75	247531	11.96 PPBV	98
70)	1,1,2-TRICHLOROETHANE	10.77	83	203656	11.33 PPBV	98
72)	2-HEXANONE	11.31	58	220916	11.49 PPBV	96
73)	ETHYL METHACRYLATE	11.34	69	309915	10.95 PPBV	95
74)	TETRACHLOROETHYLENE	12.15	164	252892	10.10 PPBV	99
75)	DIBROMOCHLOROMETHANE	11.46	129	391512	10.64 PPBV	100
76)	1,2-DIBROMOETHANE	11.66	107	310000	10.99 PPBV	99
77)	OCTANE	11.96	43	509519	12.04 PPBV	97
78)	1,1,1,2-TETRACHLOROETHANE	12.85	131	286775	10.99 PPBV	99
79)	CHLOROBENZENE	12.88	112	474382	10.46 PPBV	99
80)	ETHYLBENZENE	13.25	91	807379	10.57 PPBV	100
81)	m,p-XYLENE	13.44	106	610752	21.33 PPBV	97
82)	o-XYLENE	13.94	106	297779	10.68 PPBV	97
83)	STYRENE	13.84	104	424769	11.24 PPBV	99
84)	NONANE	14.15	43	497471	12.53 PPBV	98
85)	BROMOFORM	13.53	173	388524	11.06 PPBV	99
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	486376	10.98 PPBV	99
88)	1,2,3-TRICHLOROPROPANE	14.09	75	358432	10.90 PPBV	100
89)	ISOPROPYLBENZENE	14.60	105	882936	11.15 PPBV	99
90)	BROMOBENZENE	14.70	77	411832	10.76 PPBV	98
91)	2-CHLOROTOLUENE	15.14	126	211338	11.14 PPBV	99
92)	n-PROPYLBENZENE	15.18	120	220505	11.53 PPBV	100
93)	4-ETHYLTOLUENE	15.36	105	766563	12.04 PPBV	99
94)	1,3,5-TRIMETHYLBENZENE	15.45	105	671289	11.57 PPBV	100
95)	ALPHA-METHYLSTYRENE	15.67	118	316191	11.74 PPBV	99
96)	tert-BUTYLBENZENE	15.94	134	153221	11.37 PPBV	96
97)	1,2,4-TRIMETHYLBENZENE	15.95	105	648723	11.95 PPBV	99
98)	m-DICHLOROBENZENE	16.14	146	370433	11.44 PPBV	99
99)	BENZYL CHLORIDE	16.15	91	454559	11.20 PPBV	99
100)	p-DICHLOROBENZENE	16.23	146	369367	11.12 PPBV	99
101)	sec-BUTYLBENZENE	16.29	134	180195	11.68 PPBV	96
102)	p-ISOPROPYLTOLUENE	16.49	134	193482	11.76 PPBV	100
103)	o-DICHLOROBENZENE	16.67	146	364558	11.37 PPBV	99
104)	n-BUTYLBENZENE	17.02	134	146193	11.38 PPBV	94
105)	HEXACHLOROETHANE	17.50	117	307873	11.49 PPBV	98
106)	HEXACHLOROBUTADIENE	19.35	225	191365	9.95 PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.78	180	107494	9.47 PPBV	98
108)	NAPHTHALENE	18.91	128	220498	9.60 PPBV	100

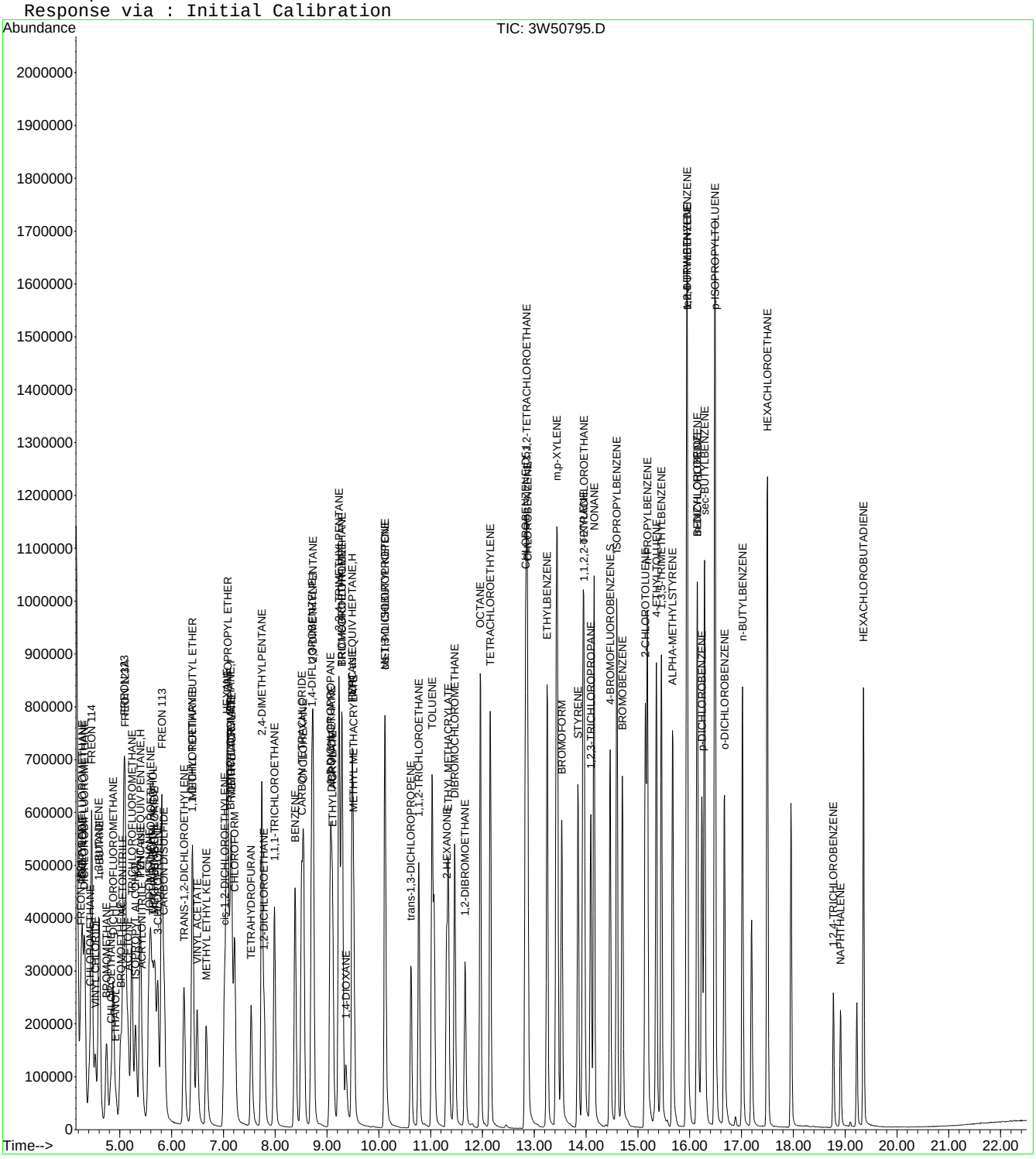
(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50795.D M3W1928.M Wed Nov 04 12:19:07 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50795.D
Acq On : 3 Nov 2015 10:00 am
Sample : CC1928-10
Misc : MS79337,V3W1930,,,,,1
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 10:05 2015

Vial: 2
Operator: YOUMINH
Inst : MS3W
Multiplr: 1.00
Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

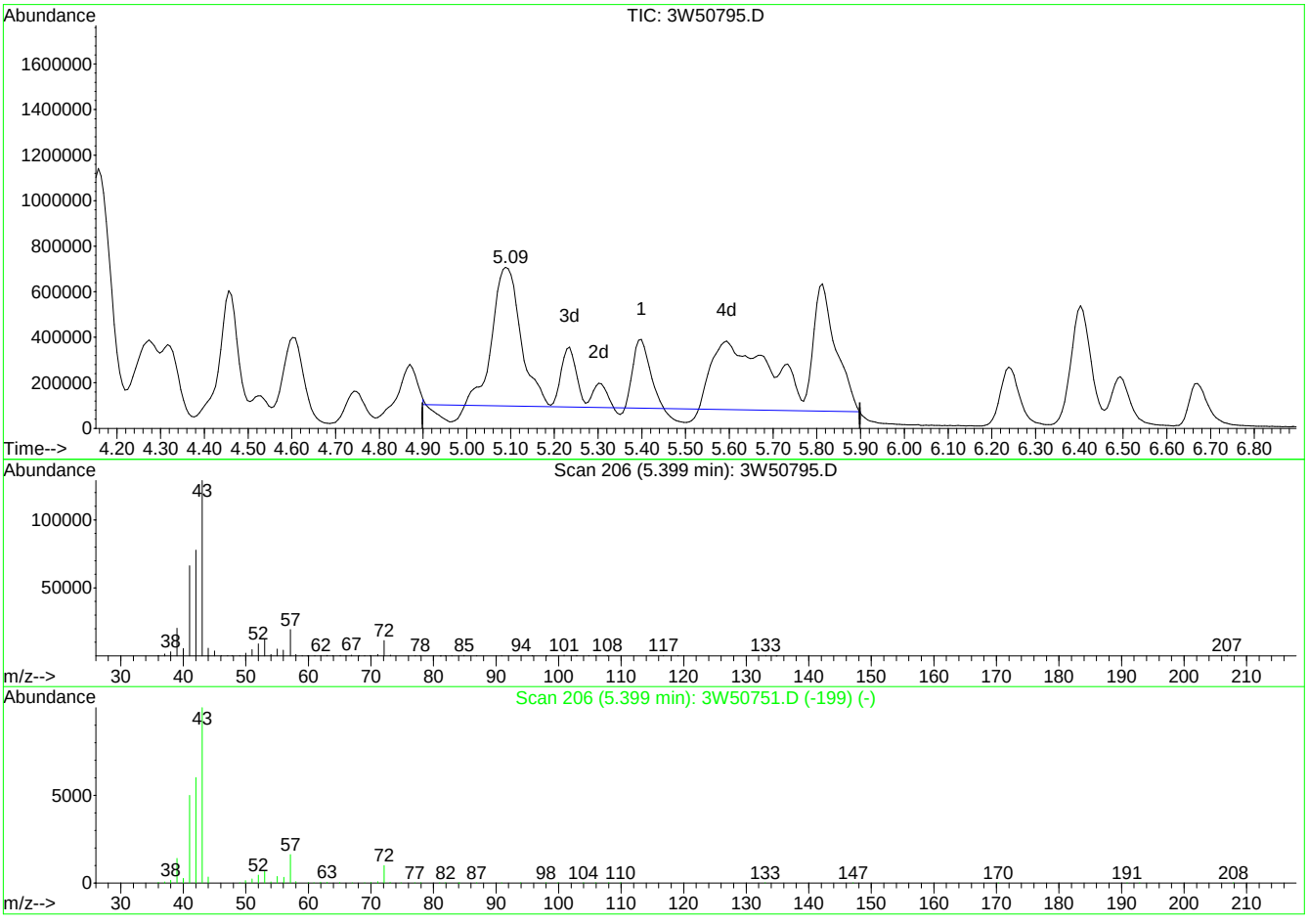


ACCUTEST LABORATORIES JC7272

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50795.D Vial: 2
Acq On : 3 Nov 2015 10:00 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS79337,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 10:03 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration



TIC: 3W50795.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 100.75PPBV m

response 11276312

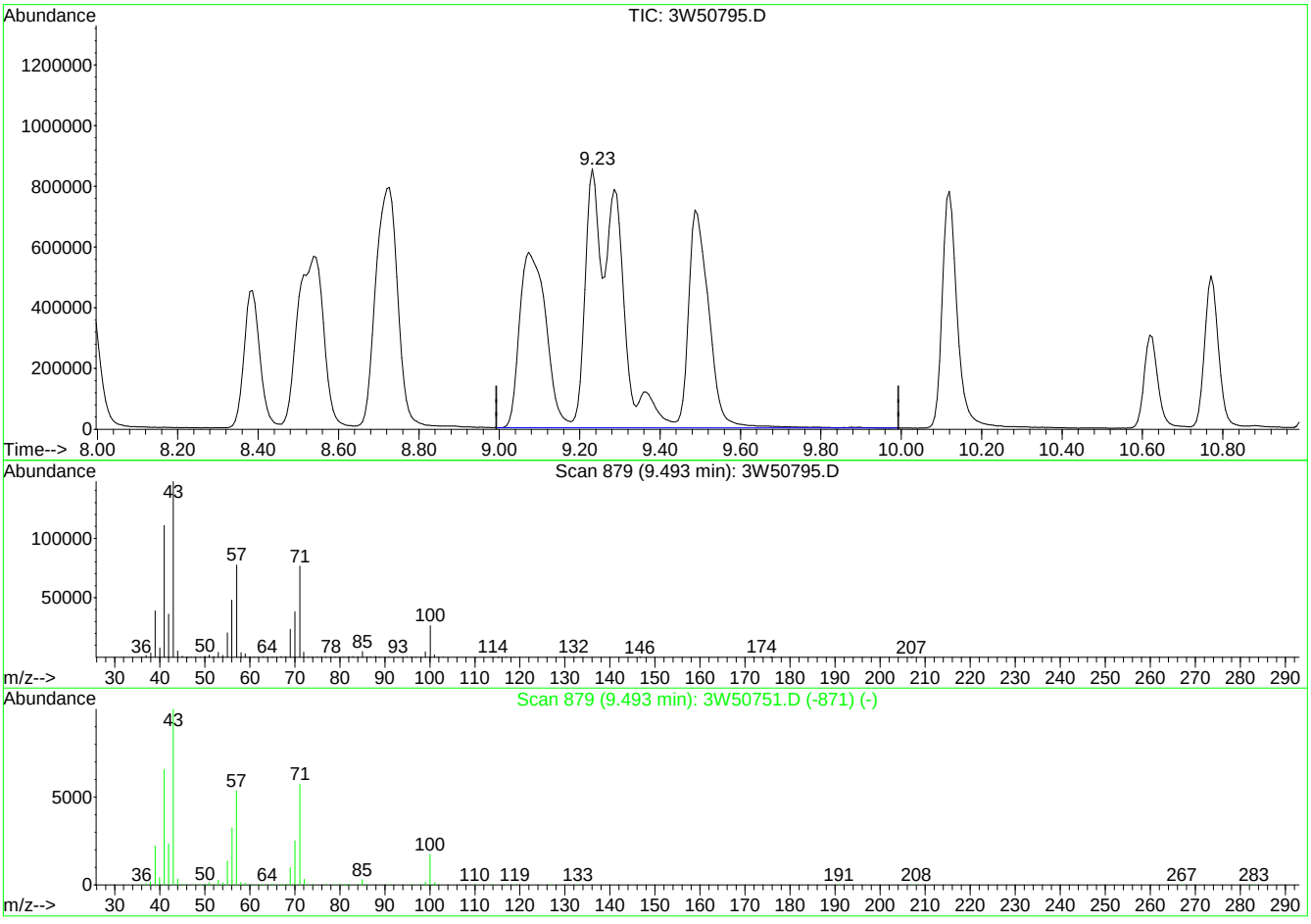
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.23#
0.00	2.00	0.20#
0.00	0.00	0.00

3W50795.D M3W1928.M Wed Nov 04 10:03:59 2015 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50795.D Vial: 2
Acq On : 3 Nov 2015 10:00 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS79337,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 10:04 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration



TIC: 3W50795.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 40.80PPBV m

response 7559302

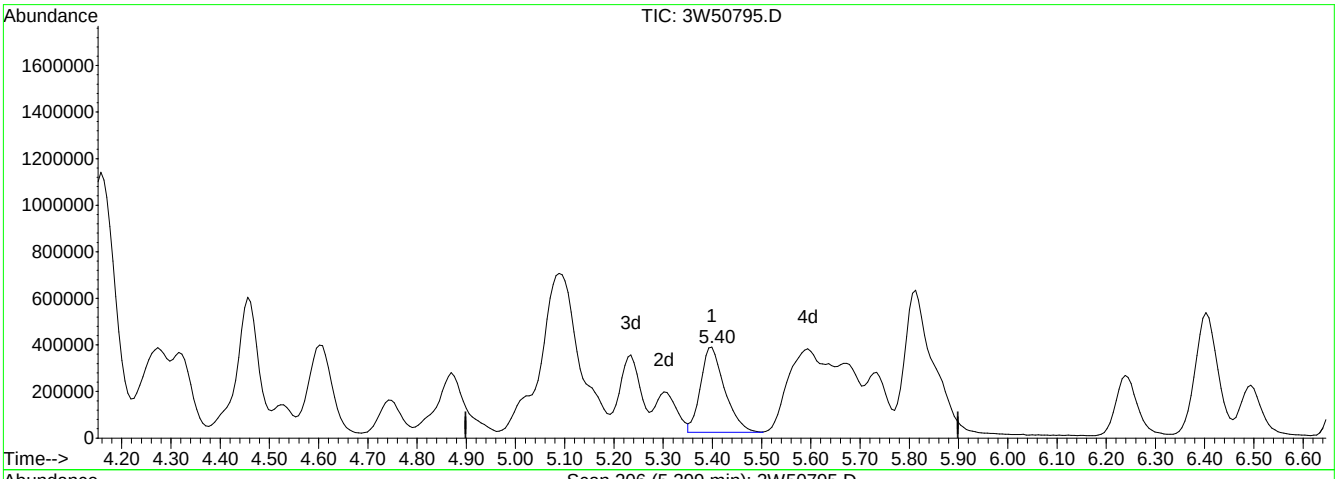
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.35#
0.00	1.00	0.31#
0.00	0.00	0.00

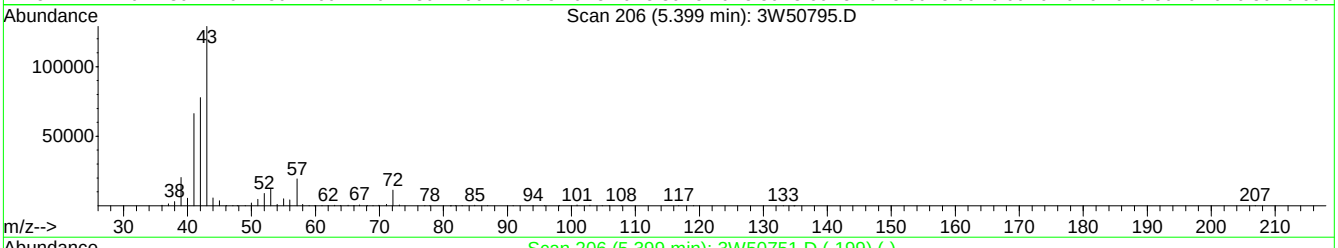
3W50795.D M3W1928.M Wed Nov 04 10:04:40 2015 MS3W

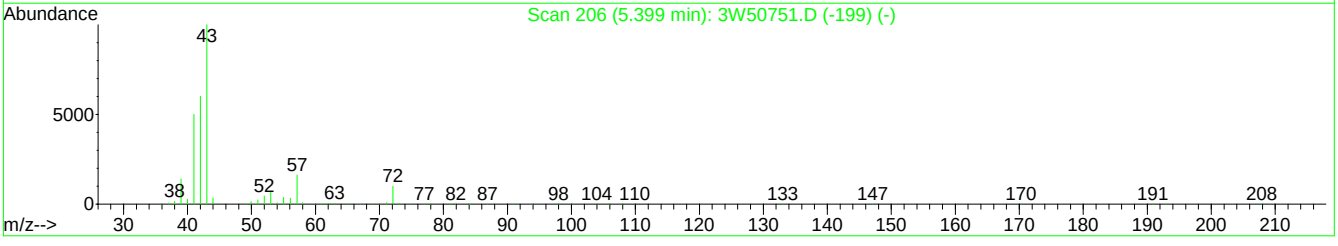
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50795.D Vial: 2
Acq On : 3 Nov 2015 10:00 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS79337,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 10:05 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50795.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 11.06PPBV m

response 1238252

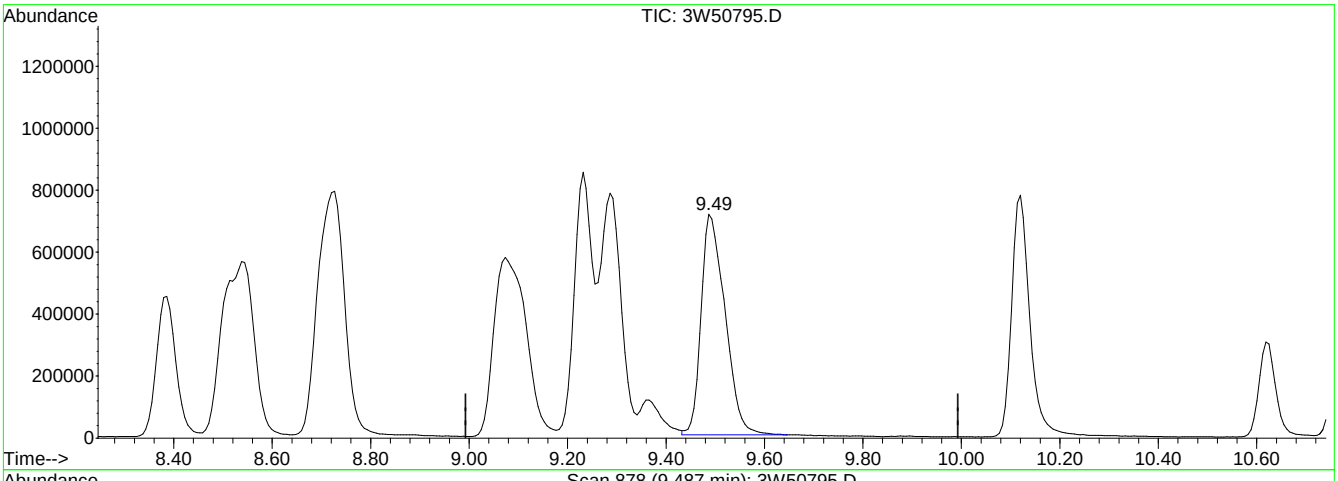
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	2.12#
0.00	2.00	1.87#
0.00	0.00	0.00

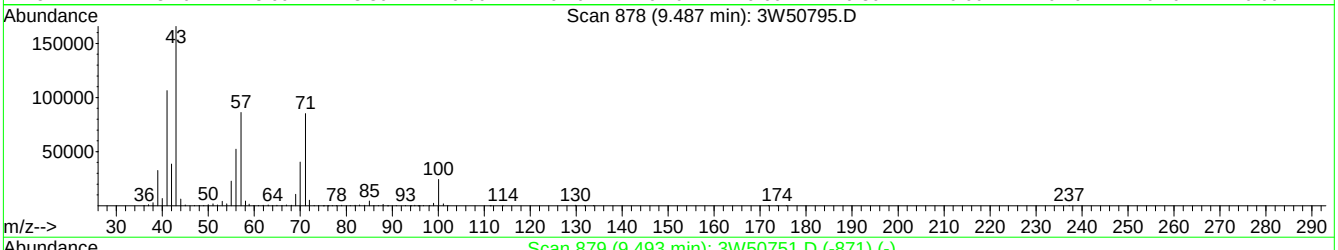
3W50795.D M3W1928.M Wed Nov 04 12:14:49 2015 MS3W

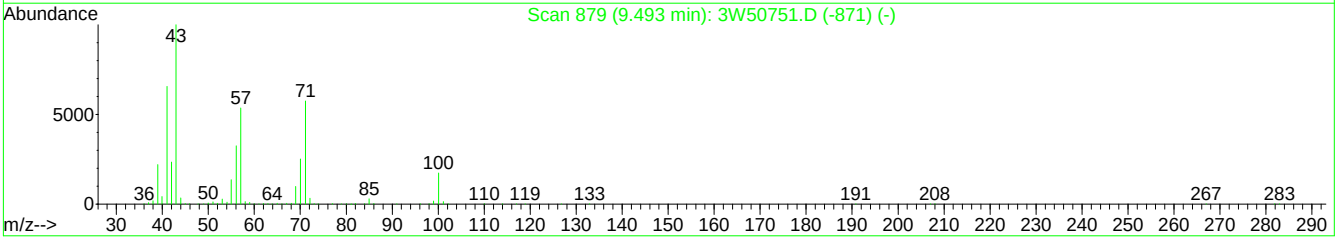
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50795.D Vial: 2
Acq On : 3 Nov 2015 10:00 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS79337,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 10:05 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50795.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 12.98PPBV m

response 2404250

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.09#
0.00	1.00	0.96#
0.00	0.00	0.00

3W50795.D M3W1928.M Thu Nov 05 10:33:00 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50816.D Vial: 2
Acq On : 4 Nov 2015 10:28 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS93717,V3W1930,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 16:14:10 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.13	128	143691	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	8.70	114	678089	10.00	PPBV	0.00
71) CHLOROBENZENE-D5	12.83	82	335731	10.00	PPBV	0.00
System Monitoring Compounds						
86) 4-BROMOFLUOROBENZENE	14.46	95	369673	11.31	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 113.10%			
Target Compounds						Qvalue
4) FREON 152A	4.24	65	139091	10.05	PPBV	99
5) CHLORODIFLUOROMETHANE	4.27	67	50569	10.70	PPBV	97
6) DICHLORODIFLUOROMETHANE	4.32	85	498238	10.61	PPBV	97
7) PROPYLENE	4.28	41	187561	10.87	PPBV	99
9) FREON 114	4.46	85	555911	10.07	PPBV	100
10) CHLOROMETHANE	4.41	50	250099	10.08	PPBV	97
11) VINYL CHLORIDE	4.52	62	239320	10.15	PPBV	100
12) 1,3-BUTADIENE	4.59	54	172622	10.02	PPBV	98
13) n-BUTANE	4.61	43	348934	10.30	PPBV	99
14) BROMOMETHANE	4.74	94	206502	9.79	PPBV	99
15) CHLOROETHANE	4.82	64	118225	9.76	PPBV	98
16) DICHLOROFLUOROMETHANE	4.87	67	454010	9.81	PPBV	100
17) ACETONITRILE	5.05	41	158439	10.07	PPBV	99
18) FREON 123	5.07	83	515358	9.68	PPBV	100
19) FREON 123A	5.11	117	272167	10.12	PPBV	95
20) TRICHLOROFLUOROMETHANE	5.23	101	463285	9.97	PPBV	98
22) ISOPROPYL ALCOHOL	5.30	45	405651	10.12	PPBV	99
23) ACETONE	5.16	58	97655	9.66	PPBV	98
24) PENTANE	5.39	42	224078	9.62	PPBV	99
25) TVHC as EQUIV PENTANE	5.39	TIC	1222754m	9.35	PPBV	
26) IODOMETHANE	5.56	142	553642	10.20	PPBV	99
27) 1,1-DICHLOROETHYLENE	5.59	96	208287	9.89	PPBV	94
28) CARBON DISULFIDE	5.86	76	605812	9.73	PPBV	99
29) ETHANOL	4.92	45	96217	9.20	PPBV	100
30) BROMOETHENE	5.01	106	206966	10.15	PPBV	100
31) ACRYLONITRILE	5.42	52	122590	10.08	PPBV	95
32) METHYLENE CHLORIDE	5.68	84	184556	9.76	PPBV	84
33) 3-CHLOROPROPENE	5.73	76	95596	9.72	PPBV	97
34) FREON 113	5.81	151	330538	10.09	PPBV	99
35) TRANS-1,2-DICHLOROETHYLENE	6.24	96	191517	10.14	PPBV	96
36) TERTIARY BUTYL ALCOHOL	5.64	59	477491	9.44	PPBV	100
37) METHYL TERTIARY BUTYL ETHE	6.41	73	545088	10.26	PPBV	99
38) TETRAHYDROFURAN	7.53	72	102324	10.93	PPBV	97
39) HEXANE	7.06	57	333493	9.78	PPBV	97
40) VINYL ACETATE	6.49	86	41085	10.48	PPBV	99
41) 1,1-DICHLOROETHANE	6.39	63	399946	9.70	PPBV	99
42) METHYL ETHYL KETONE	6.67	72	96690	10.54	PPBV	99
43) cis-1,2-DICHLOROETHYLENE	7.02	96	202860	9.94	PPBV	98
44) DIISOPROPYL ETHER	7.08	59	78676	10.06	PPBV #	95
45) ETHYL ACETATE	7.15	61	74187	10.10	PPBV	97
46) METHYL ACRYLATE	7.16	55	348253	10.78	PPBV #	100
47) CHLOROFORM	7.21	83	408165	10.07	PPBV	99
48) 2,4-DIMETHYLPENTANE	7.74	57	417561	9.95	PPBV	99
49) 1,1,1-TRICHLOROETHANE	7.98	97	412398	10.19	PPBV	99
50) CARBON TETRACHLORIDE	8.51	117	413105	10.07	PPBV	100
51) 1,2-DICHLOROETHANE	7.78	62	235422	10.59	PPBV	100
53) BENZENE	8.38	78	644596	10.30	PPBV	100
54) CYCLOHEXANE	8.54	84	332938	10.07	PPBV	98
55) 2,3-DIMETHYLPENTANE	8.73	71	149434	10.02	PPBV	97

(#) = qualifier out of range (m) = manual integration
3W50816.D M3W1928.M Wed Nov 04 16:20:57 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50816.D Vial: 2
Acq On : 4 Nov 2015 10:28 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 04 16:14:10 2015 Quant Results File: M3W1928.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration
DataAcq Meth : TO153W

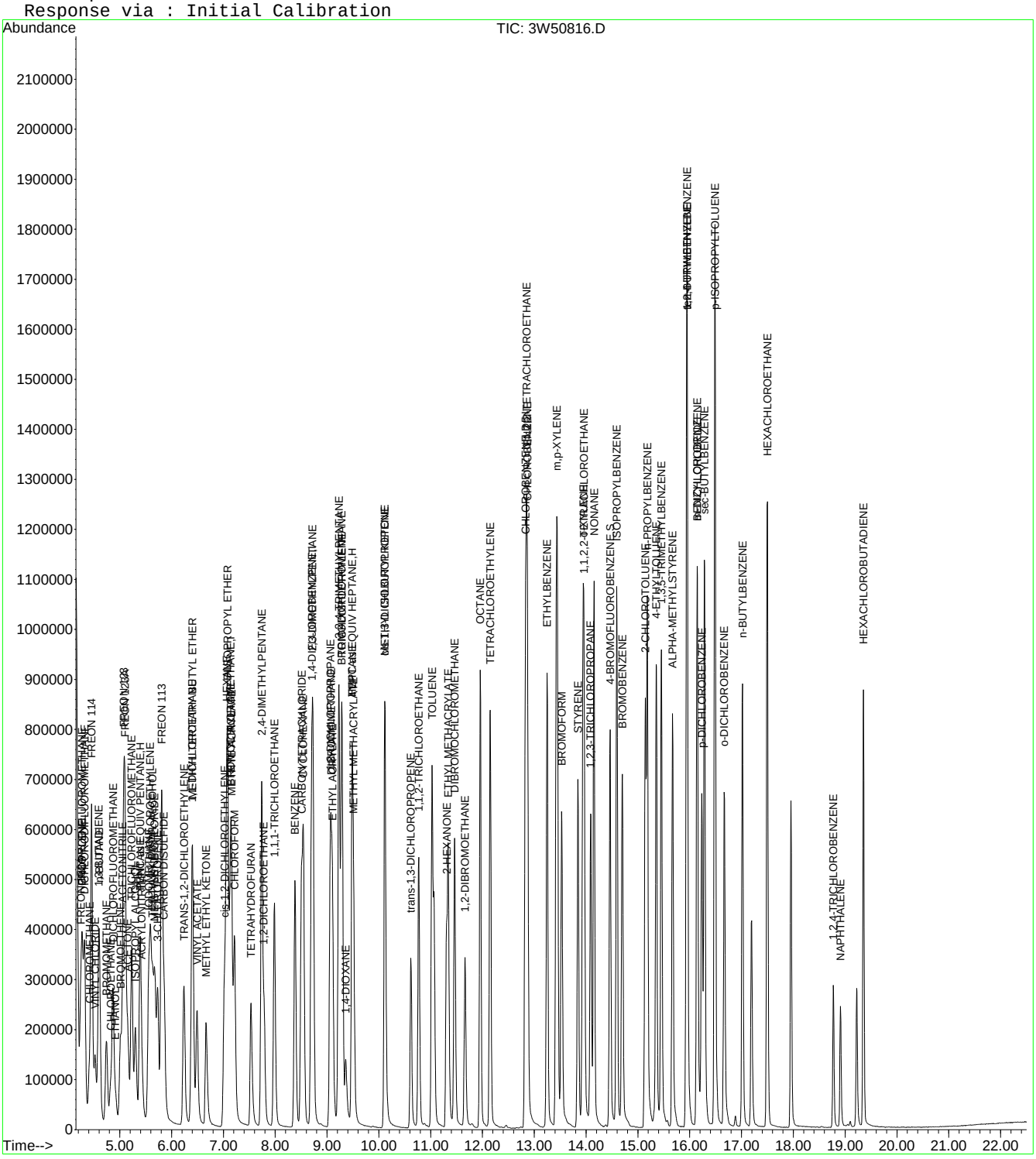
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	TRICHLOROETHYLENE	9.29	95	252652	10.03	PPBV	98
57)	1,2-DICHLOROPROPANE	9.06	63	255767	9.97	PPBV	99
58)	DIBROMOMETHANE	9.09	174	228237	10.63	PPBV	99
59)	ETHYL ACRYLATE	9.11	55	428375	11.39	PPBV	99
60)	BROMODICHLOROMETHANE	9.27	83	441200	10.57	PPBV	100
61)	2,2,4-TRIMETHYLPENTANE	9.23	57	1085145	10.52	PPBV	100
62)	1,4-DIOXANE	9.37	88	137524	10.90	PPBV	98
63)	HEPTANE	9.48	43	408554	10.73	PPBV	99
64)	TVHC as EQUIV HEPTANE	9.49	TIC	2593259m	12.07	PPBV	
65)	METHYL METHACRYLATE	9.52	69	217680	11.10	PPBV	97
66)	METHYL ISOBUTYL KETONE	10.12	58	187303	11.64	PPBV	98
67)	cis-1,3-DICHLOROPROPENE	10.11	75	354534	10.82	PPBV	98
68)	TOLUENE	11.03	92	423634	10.53	PPBV	99
69)	trans-1,3-DICHLOROPROPENE	10.62	75	271069	11.29	PPBV	99
70)	1,1,2-TRICHLOROETHANE	10.77	83	220036	10.56	PPBV	99
72)	2-HEXANONE	11.31	58	244588	11.29	PPBV	100
73)	ETHYL METHACRYLATE	11.34	69	344992	10.82	PPBV	97
74)	TETRACHLOROETHYLENE	12.15	164	271703	9.63	PPBV	100
75)	DIBROMOCHLOROMETHANE	11.46	129	427036	10.30	PPBV	99
76)	1,2-DIBROMOETHANE	11.66	107	336508	10.59	PPBV	100
77)	OCTANE	11.96	43	541035	11.35	PPBV	99
78)	1,1,1,2-TETRACHLOROETHANE	12.85	131	310294	10.56	PPBV	98
79)	CHLOROBENZENE	12.87	112	510473	9.99	PPBV	98
80)	ETHYLBENZENE	13.25	91	879972	10.23	PPBV	100
81)	m,p-XYLENE	13.44	106	657942	20.39	PPBV	97
82)	o-XYLENE	13.94	106	322561	10.27	PPBV	99
83)	STYRENE	13.84	104	461184	10.83	PPBV	100
84)	NONANE	14.15	43	515859	11.53	PPBV	99
85)	BROMOFORM	13.53	173	422421	10.67	PPBV	100
87)	1,1,2,2-TETRACHLOROETHANE	13.96	83	524846	10.52	PPBV	99
88)	1,2,3-TRICHLOROPROPANE	14.09	75	384484	10.38	PPBV	99
89)	ISOPROPYLBENZENE	14.59	105	956591	10.72	PPBV	100
90)	BROMOBENZENE	14.70	77	442835	10.27	PPBV	99
91)	2-CHLOROTOLUENE	15.14	126	230618	10.79	PPBV	100
92)	n-PROPYLBENZENE	15.18	120	239781	11.13	PPBV	99
93)	4-ETHYLTOLUENE	15.35	105	827030	11.53	PPBV	99
94)	1,3,5-TRIMETHYLBENZENE	15.45	105	729456	11.16	PPBV	99
95)	ALPHA-METHYLSTYRENE	15.67	118	341008	11.24	PPBV	99
96)	tert-BUTYLBENZENE	15.94	134	165700	10.92	PPBV	98
97)	1,2,4-TRIMETHYLBENZENE	15.95	105	695251	11.37	PPBV	99
98)	m-DICHLOROBENZENE	16.14	146	398057	10.91	PPBV	99
99)	BENZYL CHLORIDE	16.15	91	496992	10.87	PPBV	99
100)	p-DICHLOROBENZENE	16.23	146	399167	10.66	PPBV	99
101)	sec-BUTYLBENZENE	16.29	134	192082	11.05	PPBV	97
102)	p-ISOPROPYLTOLUENE	16.49	134	207939	11.22	PPBV	97
103)	o-DICHLOROBENZENE	16.67	146	391579	10.84	PPBV	99
104)	n-BUTYLBENZENE	17.02	134	157003	10.85	PPBV	97
105)	HEXACHLOROETHANE	17.49	117	318002	10.54	PPBV	99
106)	HEXACHLOROBUTADIENE	19.35	225	202620	9.35	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.77	180	117941	9.22	PPBV	99
108)	NAPHTHALENE	18.91	128	243122	9.39	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W50816.D M3W1928.M Wed Nov 04 16:20:57 2015 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W50816.D Vial: 2
Acq On : 4 Nov 2015 10:28 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015 Quant Results File: M3W1928.RES

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Initial Calibration

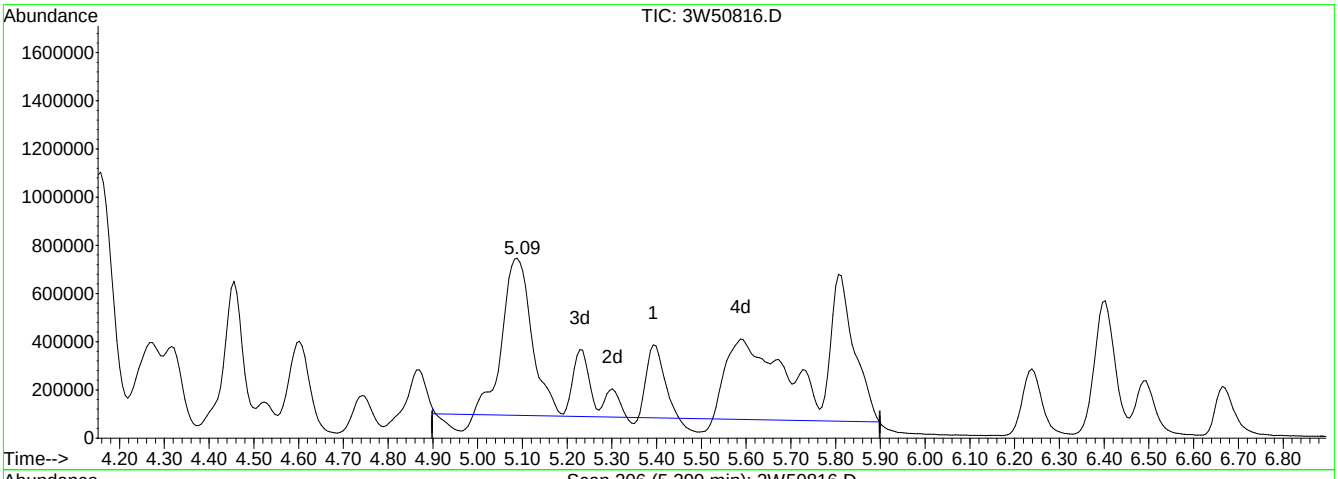


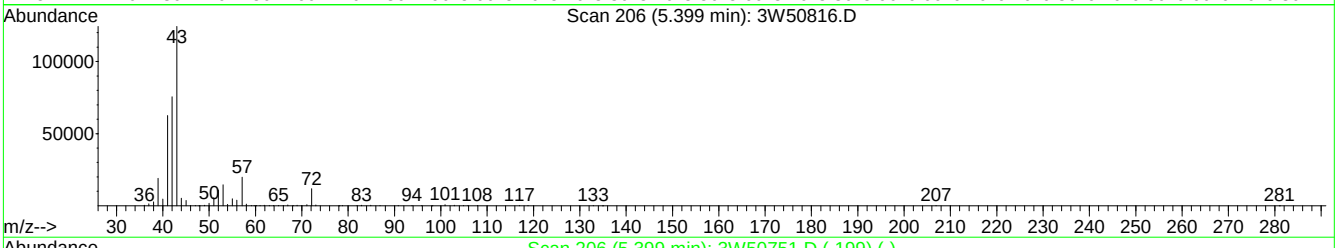
ACCUTEST LABORATORIES JC7272

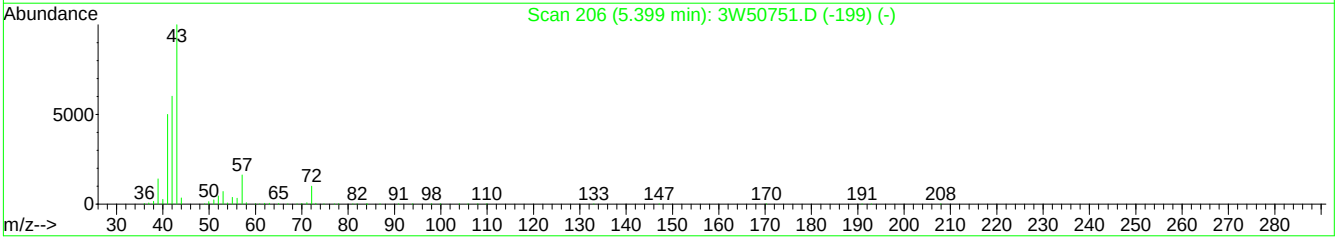
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50816.D Vial: 2
Acq On : 4 Nov 2015 10:28 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 11:04 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50816.D

(25) TVHC as EQUIV PENTANE (H)

5.40min 90.47PPBV m

response 11828868

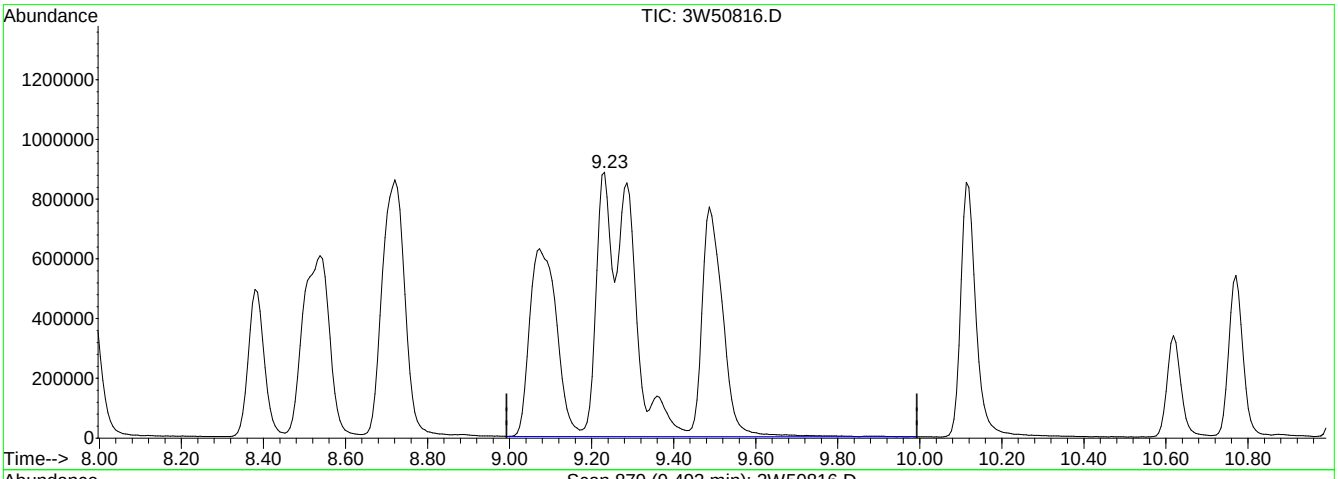
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	0.26#
0.00	2.00	0.21#
0.00	0.00	0.00

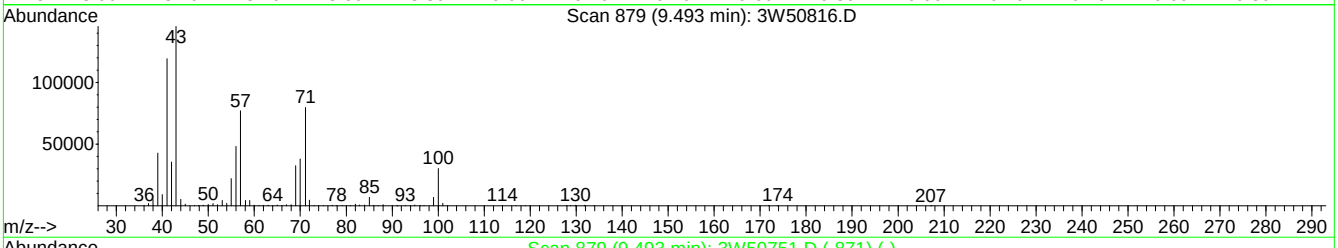
3W50816.D M3W1928.M Wed Nov 04 16:12:03 2015 MS3W

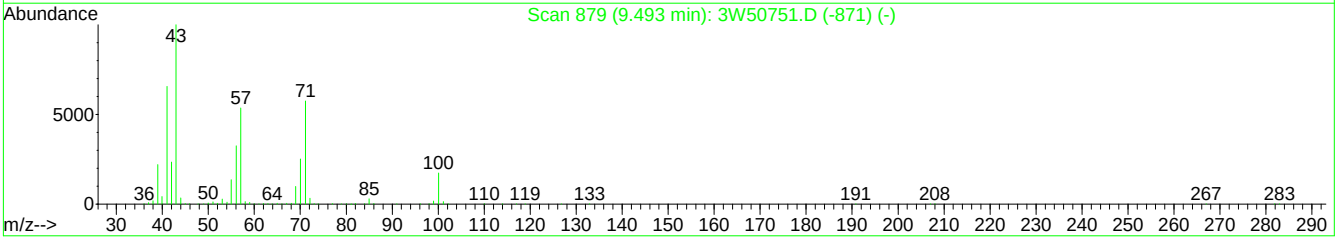
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50816.D Vial: 2
Acq On : 4 Nov 2015 10:28 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:14 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50816.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 37.20PPBV m

response 7991181

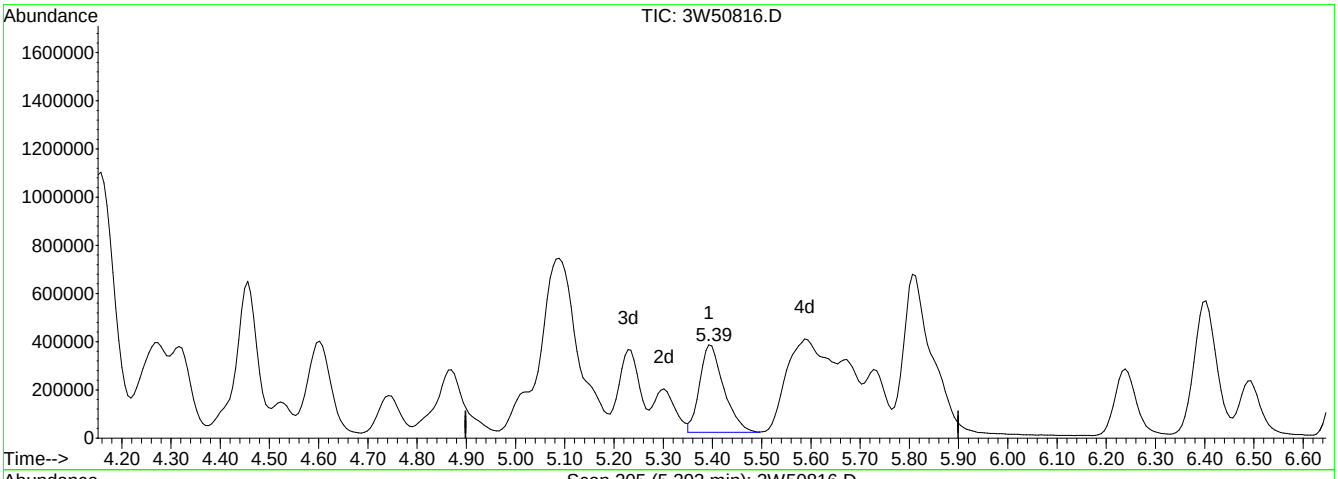
Signal	Exp%	Act%
TIC	100	100
0.00	1.10	0.38#
0.00	1.00	0.31#
0.00	0.00	0.00

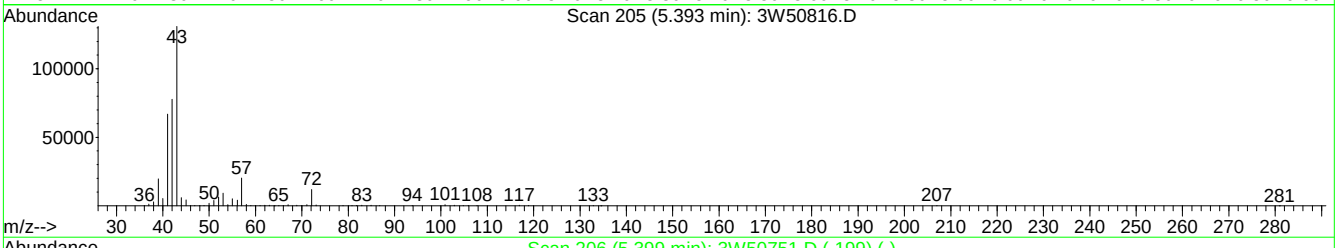
3W50816.D M3W1928.M Wed Nov 04 16:14:56 2015 MS3W

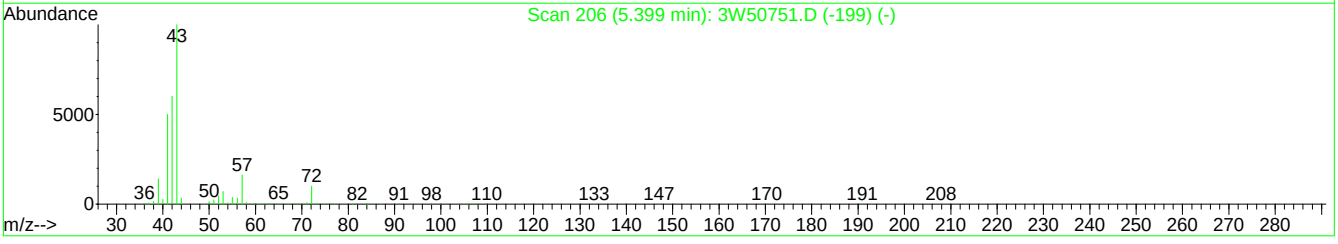
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50816.D Vial: 2
Acq On : 4 Nov 2015 10:28 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50816.D

(25) TVHC as EQUIV PENTANE (H)

5.39min 9.35PPBV m

response 1222754

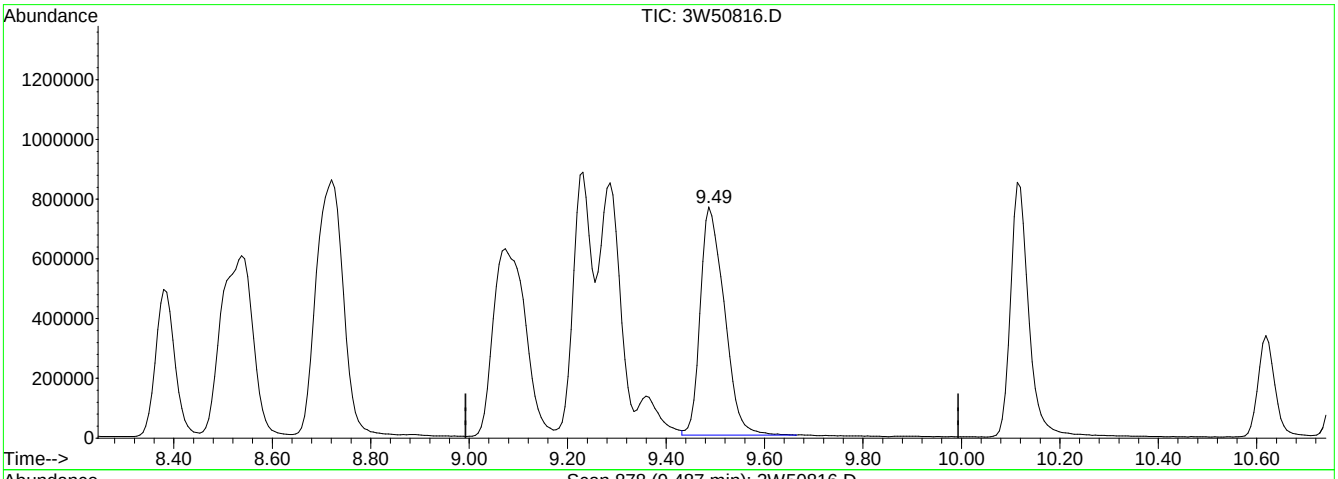
Signal	Exp%	Act%
TIC	100	100
0.00	2.30	2.48#
0.00	2.00	2.03#
0.00	0.00	0.00

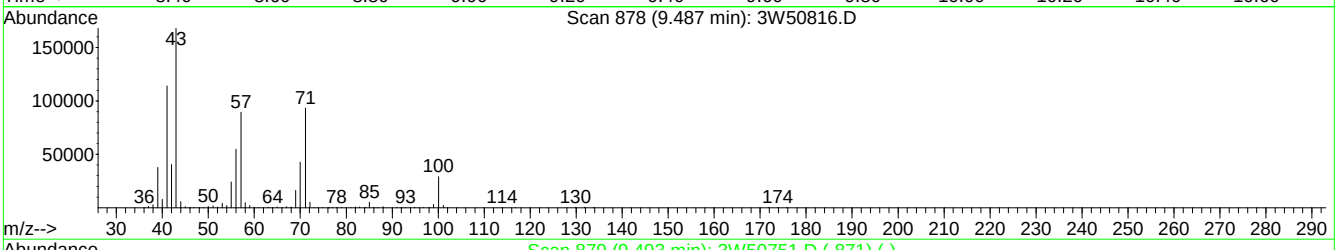
3W50816.D M3W1928.M Wed Nov 04 16:20:02 2015 MS3W

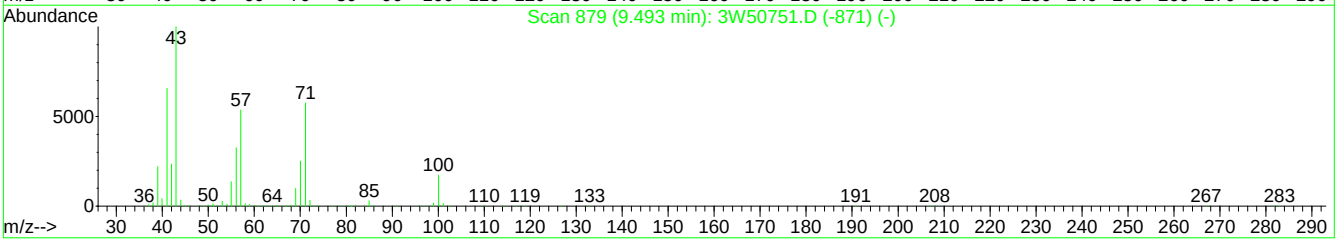
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W50816.D Vial: 2
Acq On : 4 Nov 2015 10:28 am Operator: YOUMINH
Sample : CC1928-10 Inst : MS3W
Misc : MS93717,V3W1930,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Nov 4 16:16 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W1928.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Nov 02 10:10:41 2015
Response via : Multiple Level Calibration







TIC: 3W50816.D

(64) TVHC as EQUIV HEPTANE (H)

9.49min 12.07PPBV m

response 2593259

Signal	Exp%	Act%
TIC	100	100
0.00	1.10	1.17#
0.00	1.00	0.96#
0.00	0.00	0.00

3W50816.D M3W1928.M Thu Nov 05 10:31:48 2015 MS3W

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13509.D
Acq On : 25 Aug 2015 8:16 pm
Operator : YOUMINH
Sample : ICC534-10
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:08 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.524	130	166962	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.684	114	626047	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.189	82	360964	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.524	130	166962	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.422	95	454968	10.00	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.985	69	520893	10.00	ppb(v	94
3) Freon 152A	4.083	65	107262	10.00	ppb(v	88
4) Chlorodifluoromethane	4.119	67	43583	10.00	ppb(v	98
5) Propene	4.144	41	135770	10.00	ppb(v	96
6) Dichlorodifluoromethane	4.205	85	439086	10.00	ppb(v	100
7) 1-Chloro-1,1-difluoroe...	4.327	65	318695	10.00	ppb(v	95
8) Chloromethane	4.346	50	163684	10.00	ppb(v	99
9) Dichlorotetrafluoroethane	4.425	85	457873	10.00	ppb(v	87
10) Vinyl Chloride	4.529	62	183025	10.00	ppb(v#	98
11) 1,3-Butadiene	4.645	54	135564	10.00	ppb(v	91
12) n-Butane	4.682	58	29016	10.00	ppb(v	67
13) Bromomethane	4.878	94	162953	10.00	ppb(v	98
14) Chloroethane	5.019	64	86635	10.00	ppb(v	97
15) Dichlorofluoromethane	5.098	67	405078	10.00	ppb(v	98
16) Acetonitrile	5.324	41	153105	10.00	ppb(v	98
17) Freon 123	5.447	83	434312	10.00	ppb(v	98
18) Freon 123A	5.496	117	228606	10.00	ppb(v	80
19) Bromoethene	5.324	106	162200	10.00	ppb(v#	98
20) Trichlorofluoromethane	5.685	101	417002	10.00	ppb(v	100
21) Acetone	5.545	58	85653	10.00	ppb(v	71
22) Pentane	5.991	57	47948	10.00	ppb(v	79
23) 1,1-Dichloro-1-fluoroe...	5.789	81	393385	10.00	ppb(v	97
24) Iodomethane	6.199	142	437662	10.00	ppb(v	85
25) Isopropyl Alcohol	5.759	43	61240	10.00	ppb(v	60
26) 1,1-Dichloroethene	6.260	61	309384	10.00	ppb(v	85
27) Freon 113	6.615	101	365392	10.00	ppb(v	92
28) Methylene Chloride	6.377	84	159429	10.00	ppb(v	84
29) Carbon Disulfide	6.658	76	529931	10.00	ppb(v	100
30) Ethanol	5.129	45	77071	10.00	ppb(v	99
31) Acrylonitrile	5.961	53	144179	10.00	ppb(v	99
32) 3-Chloropropene	6.487	76	84069	10.00	ppb(v#	65
33) trans-1,2-Dichloroethene	7.276	61	273331	10.00	ppb(v	86
34) tert-Butyl Alcohol	6.297	59	443244	10.00	ppb(v	96
35) Methyl tert-Butyl Ether	7.533	73	516765	10.00	ppb(v	94
36) Vinyl Acetate	7.631	43	524304	10.00	ppb(v	93
37) 1,1-Dichloroethane	7.478	63	357715	10.00	ppb(v	99
38) 2-Butanone	7.888	72	92448	10.00	ppb(v	56
39) Hexane	8.542	57	299145	10.00	ppb(v#	36
40) cis-1,2-Dichloroethene	8.347	61	270561	10.00	ppb(v	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13509.D
Acq On : 25 Aug 2015 8:16 pm
Operator : YOUMINH
Sample : ICC534-10
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:08 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Di-isopropyl Ether	8.548	87	152614	10.00	ppb(v#	50
42) Ethyl Acetate	8.585	61	67305	10.00	ppb(v#	50
43) Methyl Acrylate	8.579	55	380566	10.00	ppb(v#	75
44) Chloroform	8.659	83	404940	10.00	ppb(v#	94
45) 2,4-Dimethylpentane	9.509	57	357766	10.00	ppb(v	96
46) Tetrahydrofuran	9.105	72	92059	10.00	ppb(v#	73
47) 1,1,1-Trichloroethane	9.741	97	385648	10.00	ppb(v	98
48) 1,2-Dichloroethane	9.460	62	251763	10.00	ppb(v#	96
49) Benzene	10.268	78	587139	10.00	ppb(v	96
50) Carbon Tetrachloride	10.433	117	396972	10.00	ppb(v	98
51) Cyclohexane	10.567	56	299267	10.00	ppb(v	89
52) 2,3-Dimethylpentane	10.843	71	124378	10.00	ppb(v	85
54) 2,2,4-Trimethylpentane	11.528	57	989839	10.00	ppb(v#	95
55) Heptane	11.858	71	188942	10.00	ppb(v	92
56) Trichloroethene	11.503	95	257965	10.00	ppb(v	84
57) 1,2-Dichloropropane	11.216	63	232137	10.00	ppb(v	99
58) Dibromomethane	11.197	174	200150	10.00	ppb(v#	66
59) Ethyl Acrylate	11.246	55	467492	10.00	ppb(v	96
60) Methyl Methacrylate	11.773	69	212156	10.00	ppb(v	78
61) 1,4-Dioxane	11.528	88	131258	10.00	ppb(v#	1
62) Bromodichloromethane	11.460	83	441937	10.00	ppb(v	98
63) cis-1,3-Dichloropropene	12.574	75	373010	10.00	ppb(v	95
64) 4-Methyl-2-pentanone	12.617	58	193780	10.00	ppb(v	77
65) trans-1,3-Dichloropropene	13.241	75	324106	10.00	ppb(v	93
66) Toluene	13.804	91	695372	10.00	ppb(v	98
67) 1,1,2-Trichloroethane	13.455	97	244740	10.00	ppb(v	96
68) 2-Hexanone	14.171	58	274598	10.00	ppb(v	78
69) Ethyl Methacrylate	14.201	69	381281	10.00	ppb(v	95
70) Dibromochloromethane	14.360	129	437078	10.00	ppb(v	99
71) Tetrachloroethene	15.309	166	294809	10.00	ppb(v	94
72) 1,2-Dibromoethane	14.678	107	374252	10.00	ppb(v	99
73) Octane	15.131	43	497112	10.00	ppb(v	83
74) 1,1,1,2-Tetrachloroethane	16.226	131	292593	10.00	ppb(v	98
76) Chlorobenzene	16.251	112	533750	10.00	ppb(v	91
77) Ethylbenzene	16.789	91	903455	10.00	ppb(v	96
78) m,p-Xylene	17.058	91	1375340	20.00	ppb(v	95
79) Styrene	17.578	104	521196	10.00	ppb(v	94
80) Nonane	18.098	43	495286	10.00	ppb(v#	89
81) o-Xylene	17.731	91	708578	10.00	ppb(v	94
82) Bromoform	17.144	173	415884	10.00	ppb(v	98
83) 1,1,2,2-Tetrachloroethane	17.731	83	587136	10.00	ppb(v	99
84) 1,2,3-Trichloropropane	17.921	75	429661	10.00	ppb(v	93
85) Isopropylbenzene	18.637	105	964359	10.00	ppb(v	95
86) Bromobenzene	18.747	156	292489	10.00	ppb(v#	76
87) 2-Chlorotoluene	19.340	126	229828	10.00	ppb(v#	72
88) n-Propylbenzene	19.401	120	251133	10.00	ppb(v	71
90) 4-Ethyltoluene	19.622	105	895904	10.00	ppb(v	95
91) 1,3,5-Trimethylbenzene	19.738	105	766430	10.00	ppb(v	95
92) alpha-Methylstyrene	19.970	118	389452	10.00	ppb(v	97
93) tert-Butylbenzene	20.301	134	154537	10.00	ppb(v	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13509.D
Acq On : 25 Aug 2015 8:16 pm
Operator : YOUMINH
Sample : ICC534-10
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:08 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,2,4-Trimethylbenzene	20.313	105	786558	10.00	ppb(v	91
95) 1,3-Dichlorobenzene	20.502	146	474391	10.00	ppb(v#	92
96) Benzyl Chloride	20.490	91	733207	10.00	ppb(v	92
97) 1,4-Dichlorobenzene	20.600	146	473074	10.00	ppb(v#	94
98) sec-Butylbenzene	20.680	134	196916	10.00	ppb(v	80
99) p-Isopropyltoluene	20.900	134	223142	10.00	ppb(v#	78
100) 1,2-Dichlorobenzene	21.053	146	464138	10.00	ppb(v#	93
101) n-Butylbenzene	21.463	134	202517	10.00	ppb(v	70
102) Hexachloroethane	21.928	201	277864	10.00	ppb(v	74
103) 1,2,4-Trichlorobenzene	23.237	180	257569	10.00	ppb(v	99
104) Naphthalene	23.359	128	577913	10.01	ppb(v	99
105) Hexachlorobutadiene	23.806	225	260579	10.00	ppb(v	97
107) TVHC as equiv Pentane	5.985	TIC	1188913	10.00	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

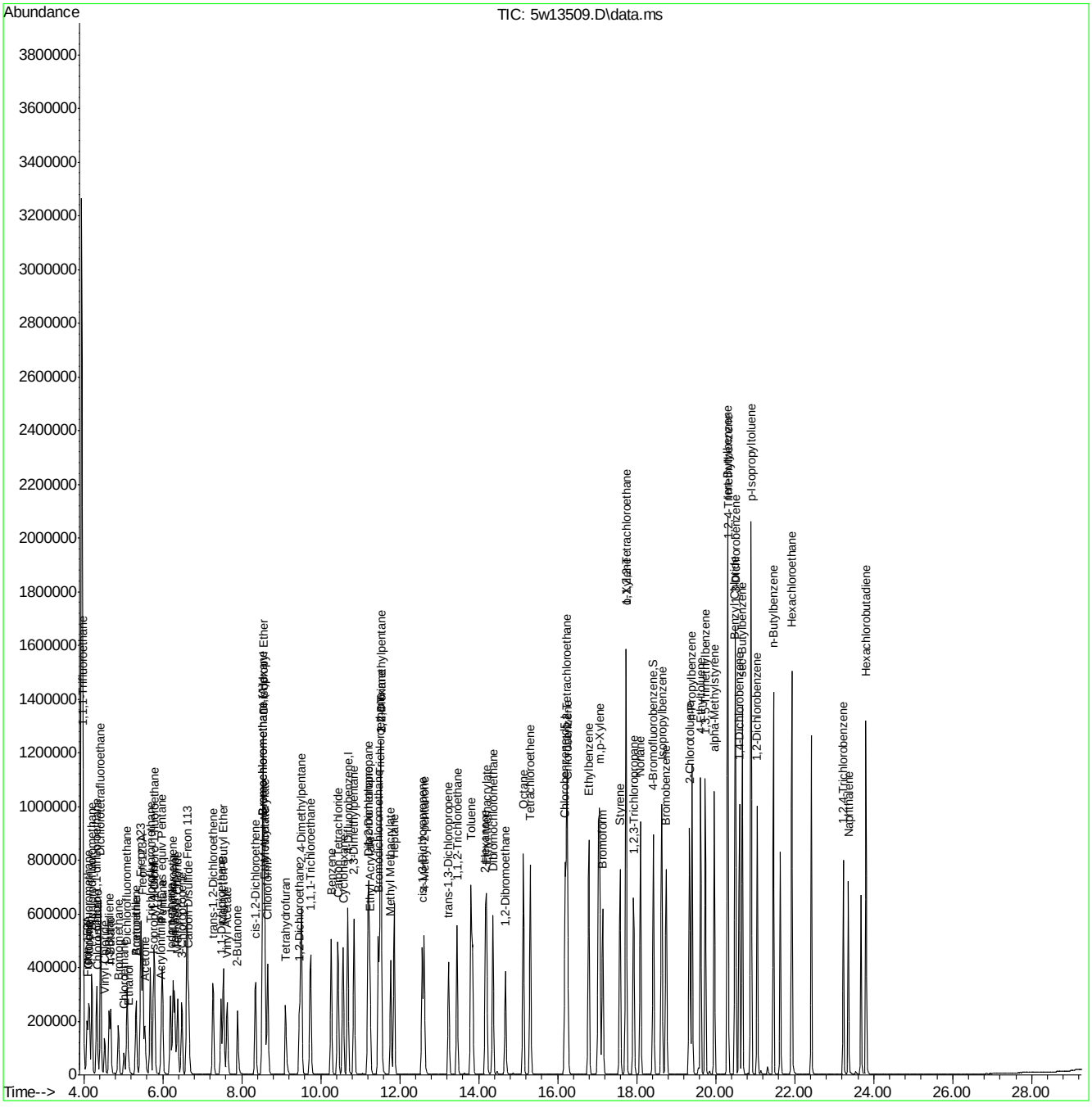
7.7.14

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13509.D
Acq On : 25 Aug 2015 8:16 pm
Operator : YOUMINH
Sample : ICC534-10
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:08 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13510.D
Acq On : 25 Aug 2015 8:57 pm
Operator : YOUMINH
Sample : IC534-5
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:10 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.524	130	177879	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.684	114	696195	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.183	82	387751	10.00	ppb(v	# 0.00
106) Bromochloromethane (A)	8.524	130	177879	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.423	95	492133	10.07	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.70%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.985	69	265666	4.79	ppb(v	96
3) Freon 152A	4.083	65	55276	4.84	ppb(v	89
4) Chlorodifluoromethane	4.119	67	22010	4.74	ppb(v	100
5) Propene	4.144	41	68022	4.70	ppb(v	96
6) Dichlorodifluoromethane	4.205	85	223527	4.78	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.327	65	158862	4.68	ppb(v	95
8) Chloromethane	4.346	50	83963	4.81	ppb(v	99
9) Dichlorotetrafluoroethane	4.425	85	234828	4.81	ppb(v	87
10) Vinyl Chloride	4.529	62	92307	4.73	ppb(v#	97
11) 1,3-Butadiene	4.639	54	68563	4.75	ppb(v	93
12) n-Butane	4.682	58	14734	4.77	ppb(v#	68
13) Bromomethane	4.878	94	82470	4.75	ppb(v	99
14) Chloroethane	5.019	64	44398	4.81	ppb(v	96
15) Dichlorofluoromethane	5.098	67	204924	4.75	ppb(v	98
16) Acetonitrile	5.325	41	75594	4.63	ppb(v	97
17) Freon 123	5.447	83	221038	4.78	ppb(v	99
18) Freon 123A	5.496	117	115905	4.76	ppb(v	80
19) Bromoethene	5.325	106	80936	4.68	ppb(v#	98
20) Trichlorofluoromethane	5.686	101	213626	4.81	ppb(v	99
21) Acetone	5.551	58	43158	4.73	ppb(v	77
22) Pentane	5.991	57	24110	4.72	ppb(v	80
23) 1,1-Dichloro-1-fluoroe...	5.790	81	198689	4.74	ppb(v	97
24) Iodomethane	6.193	142	222932	4.78	ppb(v	85
25) Isopropyl Alcohol	5.759	43	30890	4.73	ppb(v	62
26) 1,1-Dichloroethene	6.261	61	154680	4.69	ppb(v	85
27) Freon 113	6.615	101	189048	4.86	ppb(v	93
28) Methylene Chloride	6.377	84	82630	4.86	ppb(v	85
29) Carbon Disulfide	6.658	76	272188	4.82	ppb(v	100
30) Ethanol	5.129	45	38742	4.72	ppb(v	99
31) Acrylonitrile	5.961	53	71727	4.67	ppb(v	98
32) 3-Chloropropene	6.481	76	43034	4.80	ppb(v	71
33) trans-1,2-Dichloroethene	7.270	61	137860	4.73	ppb(v	86
34) tert-Butyl Alcohol	6.303	59	216901	4.59	ppb(v	97
35) Methyl tert-Butyl Ether	7.539	73	259173	4.71	ppb(v	94
36) Vinyl Acetate	7.631	43	258861	4.63	ppb(v	93
37) 1,1-Dichloroethane	7.478	63	178650	4.69	ppb(v	99
38) 2-Butanone	7.894	72	44987	4.57	ppb(v	56
39) Hexane	8.542	57	148018	4.64	ppb(v#	35
40) cis-1,2-Dichloroethene	8.347	61	134211	4.66	ppb(v	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13510.D
Acq On : 25 Aug 2015 8:57 pm
Operator : YOUMINH
Sample : IC534-5
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:10 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Di-isopropyl Ether	8.549	87	75355	4.63	ppb(v#	50
42) Ethyl Acetate	8.591	61	33476	4.67	ppb(v	56
43) Methyl Acrylate	8.579	55	189637	4.68	ppb(v#	75
44) Chloroform	8.659	83	202287	4.69	ppb(v#	93
45) 2,4-Dimethylpentane	9.509	57	176467	4.63	ppb(v	96
46) Tetrahydrofuran	9.118	72	45526	4.64	ppb(v#	76
47) 1,1,1-Trichloroethane	9.742	97	195625	4.76	ppb(v	97
48) 1,2-Dichloroethane	9.460	62	127819	4.77	ppb(v#	97
49) Benzene	10.262	78	293732	4.70	ppb(v	96
50) Carbon Tetrachloride	10.433	117	199446	4.72	ppb(v	98
51) Cyclohexane	10.567	56	150029	4.71	ppb(v	90
52) 2,3-Dimethylpentane	10.843	71	63134	4.76	ppb(v	85
54) 2,2,4-Trimethylpentane	11.522	57	503768	4.58	ppb(v#	95
55) Heptane	11.858	71	96247	4.58	ppb(v	93
56) Trichloroethene	11.503	95	132274	4.61	ppb(v	85
57) 1,2-Dichloropropane	11.216	63	118154	4.58	ppb(v	98
58) Dibromomethane	11.198	174	104026	4.67	ppb(v#	67
59) Ethyl Acrylate	11.247	55	235768	4.54	ppb(v	96
60) Methyl Methacrylate	11.773	69	106055	4.50	ppb(v	78
61) 1,4-Dioxane	11.534	88	66997	4.59	ppb(v#	15
62) Bromodichloromethane	11.461	83	225549	4.59	ppb(v	99
63) cis-1,3-Dichloropropene	12.568	75	189806	4.58	ppb(v	95
64) 4-Methyl-2-pentanone	12.617	58	97182	4.51	ppb(v	79
65) trans-1,3-Dichloropropene	13.235	75	161076	4.47	ppb(v	93
66) Toluene	13.804	91	348195	4.50	ppb(v	97
67) 1,1,2-Trichloroethane	13.449	97	122132	4.49	ppb(v	95
68) 2-Hexanone	14.171	58	135818	4.45	ppb(v	76
69) Ethyl Methacrylate	14.195	69	191135	4.51	ppb(v	95
70) Dibromochloromethane	14.360	129	219883	4.52	ppb(v	100
71) Tetrachloroethene	15.309	166	153251	4.67	ppb(v	95
72) 1,2-Dibromoethane	14.672	107	189987	4.56	ppb(v	99
73) Octane	15.131	43	241874	4.38	ppb(v	83
74) 1,1,1,2-Tetrachloroethane	16.226	131	146778	4.51	ppb(v	96
76) Chlorobenzene	16.245	112	266028	4.64	ppb(v	90
77) Ethylbenzene	16.783	91	450819	4.65	ppb(v	95
78) m,p-Xylene	17.052	91	691205	9.36	ppb(v	95
79) Styrene	17.578	104	254701	4.55	ppb(v	93
80) Nonane	18.092	43	236211	4.44	ppb(v#	88
81) o-Xylene	17.731	91	352149	4.63	ppb(v	95
82) Bromoform	17.138	173	204323	4.57	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.725	83	291450	4.62	ppb(v#	98
84) 1,2,3-Trichloropropane	17.921	75	212982	4.61	ppb(v	93
85) Isopropylbenzene	18.631	105	483820	4.67	ppb(v	95
86) Bromobenzene	18.747	156	146929	4.68	ppb(v#	75
87) 2-Chlorotoluene	19.334	126	118748	4.81	ppb(v#	72
88) n-Propylbenzene	19.401	120	126448	4.69	ppb(v	70
90) 4-Ethyltoluene	19.622	105	457516	4.75	ppb(v	96
91) 1,3,5-Trimethylbenzene	19.738	105	389400	4.73	ppb(v	95
92) alpha-Methylstyrene	19.964	118	194701	4.65	ppb(v	97
93) tert-Butylbenzene	20.295	134	76386	4.60	ppb(v	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13510.D
Acq On : 25 Aug 2015 8:57 pm
Operator : YOUMINH
Sample : IC534-5
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:10 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,2,4-Trimethylbenzene	20.307	105	393624	4.66	ppb(v	91
95) 1,3-Dichlorobenzene	20.503	146	239720	4.70	ppb(v#	93
96) Benzyl Chloride	20.490	91	363569	4.62	ppb(v	93
97) 1,4-Dichlorobenzene	20.600	146	240734	4.74	ppb(v#	94
98) sec-Butylbenzene	20.674	134	97315	4.60	ppb(v	72
99) p-Isopropyltoluene	20.900	134	110157	4.60	ppb(v#	80
100) 1,2-Dichlorobenzene	21.053	146	227101	4.55	ppb(v#	93
101) n-Butylbenzene	21.463	134	98328	4.52	ppb(v	67
102) Hexachloroethane	21.928	201	132548	4.44	ppb(v	74
103) 1,2,4-Trichlorobenzene	23.231	180	122481	4.43	ppb(v	98
104) Naphthalene	23.360	128	279581	4.51	ppb(v	99
105) Hexachlorobutadiene	23.806	225	128660	4.60	ppb(v	97
107) TVHC as equiv Pentane	5.985	TIC	592026	4.67	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

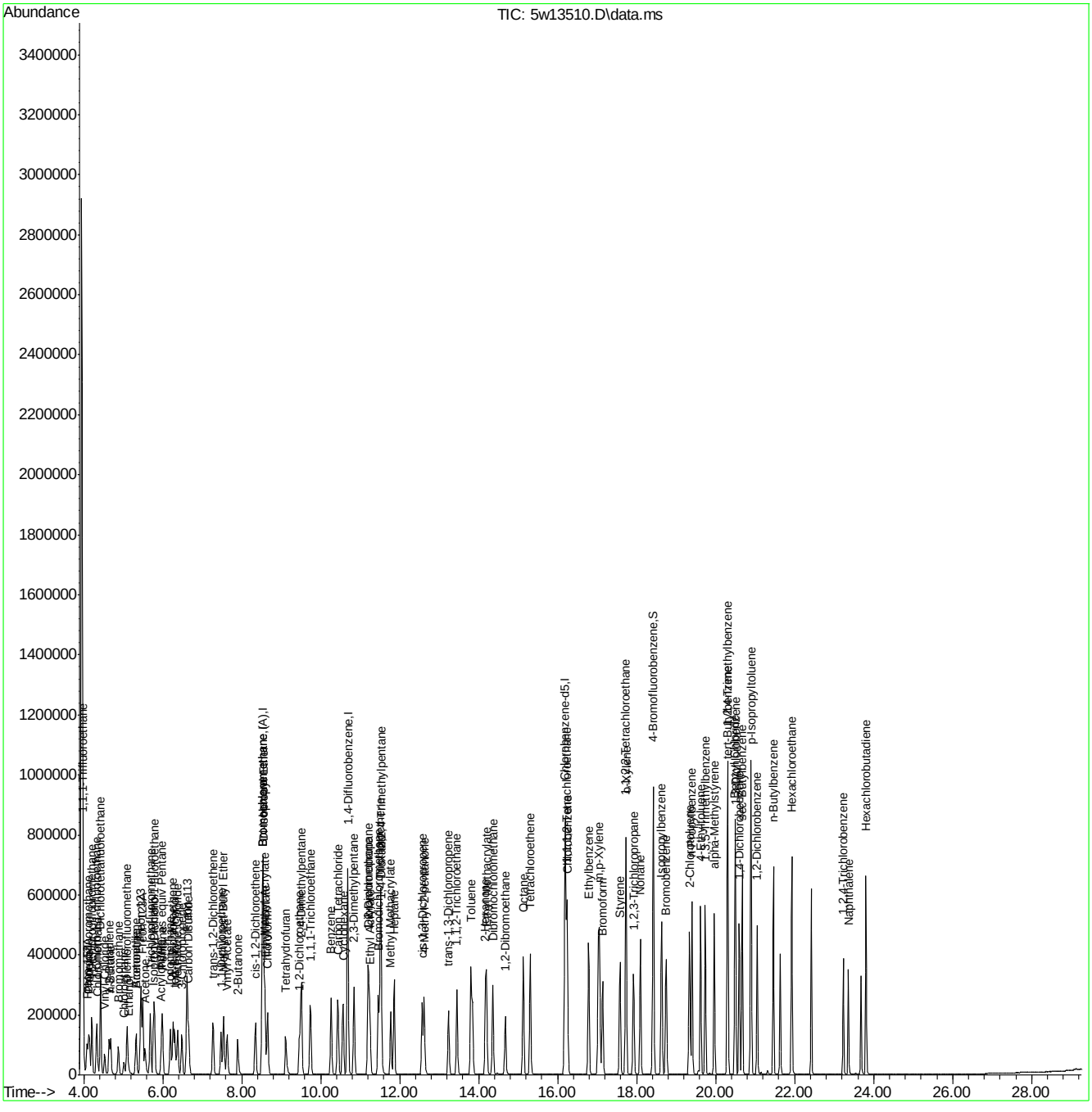
7.7.15

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13510.D
Acq On : 25 Aug 2015 8:57 pm
Operator : YOUMINH
Sample : IC534-5
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:10 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon
08/26/15 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13511.D
Acq On : 25 Aug 2015 9:40 pm
Operator : YOUMINH
Sample : IC534-0.5
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:39:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.518	130	161773	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.677	114	633828	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.183	82	339755	10.00	ppb(v	# 0.00
106) Bromochloromethane (A)	8.518	130	161854	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.416	95	432402	10.10	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.00%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.985	69	25582	0.51	ppb(v#	93
3) Freon 152A	4.076	65	5406	0.52	ppb(v#	78
4) Chlorodifluoromethane	4.125	67	2240	0.53	ppb(v	99
5) Propene	4.144	41	7515	0.57	ppb(v#	89
6) Dichlorodifluoromethane	4.205	85	21852	0.51	ppb(v	98
7) 1-Chloro-1,1-difluoroe...	4.327	65	15601	0.51	ppb(v#	90
8) Chloromethane	4.346	50	8159	0.51	ppb(v	97
9) Dichlorotetrafluoroethane	4.425	85	22474	0.51	ppb(v	87
10) Vinyl Chloride	4.529	62	8862	0.50	ppb(v#	99
11) 1,3-Butadiene	4.639	54	6479	0.49	ppb(v	89
12) n-Butane	4.682	58	1397	0.50	ppb(v#	44
13) Bromomethane	4.878	94	8153	0.52	ppb(v	99
14) Chloroethane	5.019	64	4298	0.51	ppb(v#	95
15) Dichlorofluoromethane	5.098	67	19973	0.51	ppb(v	99
16) Acetonitrile	5.337	41	7212	0.49	ppb(v#	75
17) Freon 123	5.447	83	20971	0.50	ppb(v	97
18) Freon 123A	5.496	117	10912	0.49	ppb(v#	71
19) Bromoethene	5.324	106	7790	0.50	ppb(v#	96
20) Trichlorofluoromethane	5.685	101	20705	0.51	ppb(v	98
21) Acetone	5.569	58	4161	0.50	ppb(v	65
22) Pentane	5.991	57	2259	0.49	ppb(v	73
23) 1,1-Dichloro-1-fluoroe...	5.783	81	19292	0.51	ppb(v	96
24) Iodomethane	6.193	142	21441	0.51	ppb(v	86
25) Isopropyl Alcohol	5.777	43	3334	0.56	ppb(v	62
26) 1,1-Dichloroethene	6.261	61	14876	0.50	ppb(v	86
27) Freon 113	6.615	101	18014	0.51	ppb(v	92
28) Methylene Chloride	6.377	84	7661	0.50	ppb(v	82
29) Carbon Disulfide	6.658	76	25073	0.49	ppb(v	100
30) Ethanol	5.147	45	5021	0.67	ppb(v#	97
31) Acrylonitrile	5.973	53	6144	0.44	ppb(v	98
32) 3-Chloropropene	6.487	76	3999	0.49	ppb(v#	77
33) trans-1,2-Dichloroethene	7.276	61	12555	0.47	ppb(v	86
34) tert-Butyl Alcohol	6.322	59	20203	0.47	ppb(v#	91
35) Methyl tert-Butyl Ether	7.557	73	24373	0.49	ppb(v	94
36) Vinyl Acetate	7.637	43	23348	0.46	ppb(v	93
37) 1,1-Dichloroethane	7.478	63	16915	0.49	ppb(v	97
38) 2-Butanone	7.918	72	3913	0.44	ppb(v#	55
39) Hexane	8.542	57	14209	0.49	ppb(v#	50
40) cis-1,2-Dichloroethene	8.347	61	12651	0.48	ppb(v	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13511.D
Acq On : 25 Aug 2015 9:40 pm
Operator : YOUMINH
Sample : IC534-0.5
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:39:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Di-isopropyl Ether	8.561	87	7005	0.47	ppb(v	57
42) Ethyl Acetate	8.597	61	3042	0.47	ppb(v	61
43) Methyl Acrylate	8.591	55	17120	0.46	ppb(v#	76
44) Chloroform	8.653	83	19406	0.49	ppb(v#	93
45) 2,4-Dimethylpentane	9.509	57	16990	0.49	ppb(v	96
46) Tetrahydrofuran	9.148	72	4089	0.46	ppb(v#	72
47) 1,1,1-Trichloroethane	9.741	97	18762	0.50	ppb(v	97
48) 1,2-Dichloroethane	9.460	62	12087	0.50	ppb(v#	97
49) Benzene	10.261	78	27826	0.49	ppb(v	96
50) Carbon Tetrachloride	10.433	117	18421	0.48	ppb(v	97
51) Cyclohexane	10.567	56	14285	0.49	ppb(v	88
52) 2,3-Dimethylpentane	10.843	71	5992	0.50	ppb(v	76
54) 2,2,4-Trimethylpentane	11.522	57	46711	0.47	ppb(v	95
55) Heptane	11.858	71	9014	0.47	ppb(v	93
56) Trichloroethene	11.503	95	12632	0.48	ppb(v	82
57) 1,2-Dichloropropane	11.216	63	11184	0.48	ppb(v	96
58) Dibromomethane	11.191	174	9994	0.49	ppb(v#	69
59) Ethyl Acrylate	11.259	55	21464	0.45	ppb(v	96
60) Methyl Methacrylate	11.779	69	9897	0.46	ppb(v#	73
61) 1,4-Dioxane	11.558	88	5981	0.45	ppb(v#	71
62) Bromodichloromethane	11.454	83	21285	0.48	ppb(v	98
63) cis-1,3-Dichloropropene	12.574	75	17377	0.46	ppb(v	95
64) 4-Methyl-2-pentanone	12.635	58	8273	0.42	ppb(v	76
65) trans-1,3-Dichloropropene	13.241	75	14383	0.44	ppb(v	92
66) Toluene	13.804	91	32999	0.47	ppb(v	99
67) 1,1,2-Trichloroethane	13.449	97	11521	0.46	ppb(v	98
68) 2-Hexanone	14.189	58	11425	0.41	ppb(v	79
69) Ethyl Methacrylate	14.201	69	16470	0.43	ppb(v	96
70) Dibromochloromethane	14.360	129	19851	0.45	ppb(v	97
71) Tetrachloroethene	15.309	166	14323	0.48	ppb(v	93
72) 1,2-Dibromoethane	14.672	107	17930	0.47	ppb(v	99
73) Octane	15.131	43	22917	0.46	ppb(v	84
74) 1,1,1,2-Tetrachloroethane	16.226	131	13679	0.46	ppb(v#	27
76) Chlorobenzene	16.245	112	25555	0.51	ppb(v	88
77) Ethylbenzene	16.789	91	42631	0.50	ppb(v	95
78) m,p-Xylene	17.034	91	64734	1.00	ppb(v	95
79) Styrene	17.578	104	23227	0.47	ppb(v	94
80) Nonane	18.092	43	22672	0.49	ppb(v#	87
81) o-Xylene	17.731	91	33187	0.50	ppb(v	93
82) Bromoform	17.138	173	18119	0.46	ppb(v	98
83) 1,1,2,2-Tetrachloroethane	17.731	83	27229	0.49	ppb(v#	99
84) 1,2,3-Trichloropropane	17.927	75	20259	0.50	ppb(v	93
85) Isopropylbenzene	18.631	105	45514	0.50	ppb(v	94
86) Bromobenzene	18.747	156	14009	0.51	ppb(v#	75
87) 2-Chlorotoluene	19.340	126	10872	0.50	ppb(v#	80
88) n-Propylbenzene	19.401	120	11701	0.50	ppb(v	67
90) 4-Ethyltoluene	19.622	105	41487	0.49	ppb(v	96
91) 1,3,5-Trimethylbenzene	19.738	105	36433	0.51	ppb(v	94
92) alpha-Methylstyrene	19.964	118	17403	0.47	ppb(v	96
93) tert-Butylbenzene	20.295	134	7317	0.50	ppb(v	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13511.D
Acq On : 25 Aug 2015 9:40 pm
Operator : YOUMINH
Sample : IC534-0.5
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:39:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,2,4-Trimethylbenzene	20.307	105	36952	0.50	ppb(v	93
95)	1,3-Dichlorobenzene	20.503	146	23876	0.53	ppb(v#	94
96)	Benzyl Chloride	20.490	91	32178	0.47	ppb(v	92
97)	1,4-Dichlorobenzene	20.600	146	23505	0.53	ppb(v#	93
98)	sec-Butylbenzene	20.674	134	9409	0.51	ppb(v	71
99)	p-Isopropyltoluene	20.900	134	10438	0.50	ppb(v#	80
100)	1,2-Dichlorobenzene	21.053	146	21759	0.50	ppb(v#	91
101)	n-Butylbenzene	21.463	134	9147	0.48	ppb(v	70
102)	Hexachloroethane	21.928	201	11898	0.45	ppb(v	72
103)	1,2,4-Trichlorobenzene	23.237	180	12472	0.51	ppb(v	97
104)	Naphthalene	23.366	128	27259	0.50	ppb(v	100
105)	Hexachlorobutadiene	23.806	225	13662	0.56	ppb(v	97
107)	TVHC as equiv Pentane	5.985	TIC	56363m	0.49	ppb(v	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

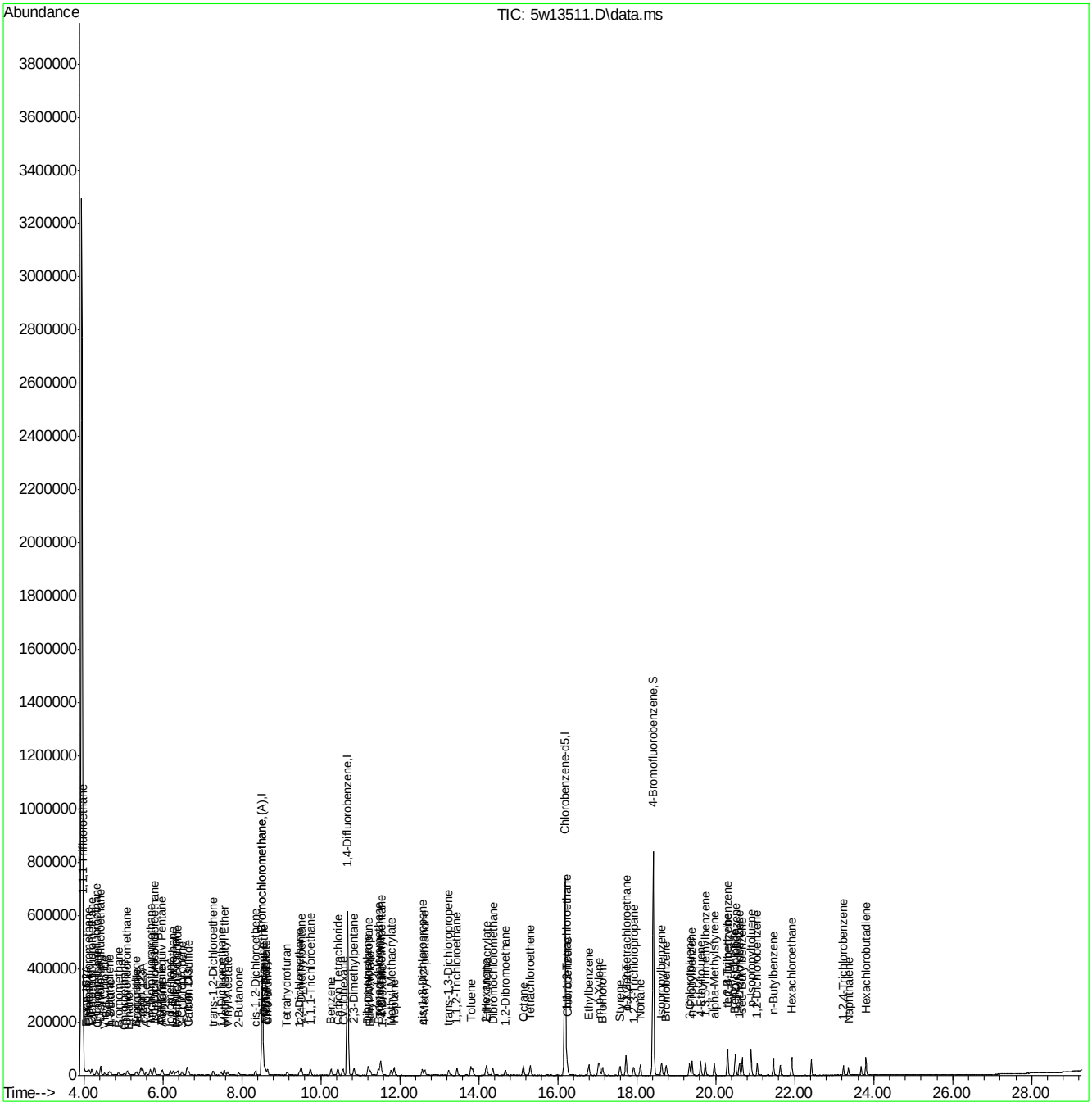
7.7.16

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13511.D
Acq On : 25 Aug 2015 9:40 pm
Operator : YOUMINH
Sample : IC534-0.5
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:39:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



Manual Integration Approval Summary

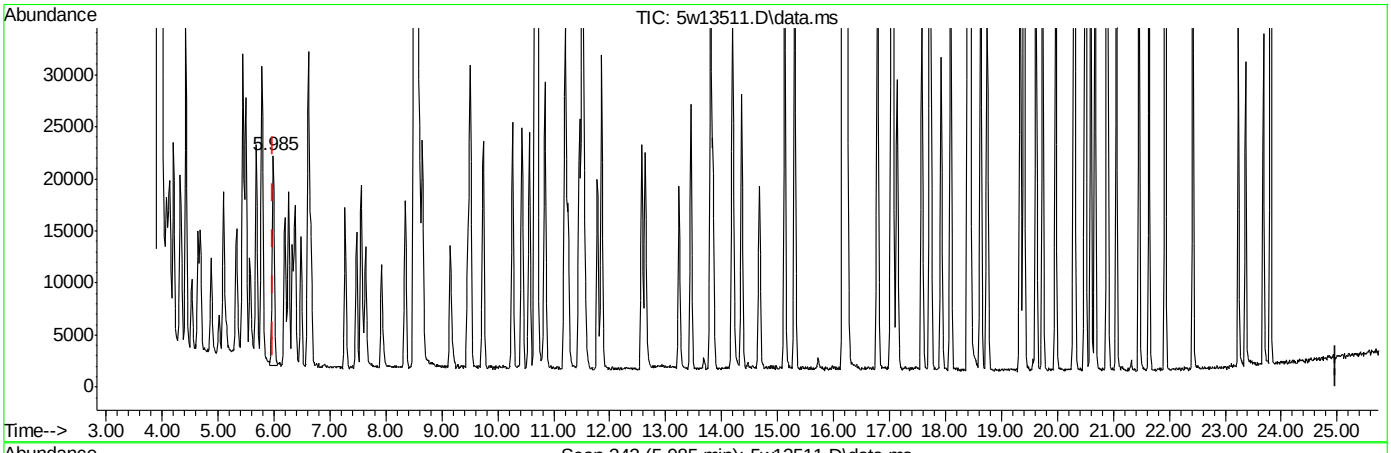
Sample Number:	V5W534-IC534	**Method:**	TO-15
Lab FileID:	5W13511.D	**Analyst approved:**	08/26/15 12:35 Youmin Hu
Injection Time:	08/25/15 21:40	**Supervisor approved:**	08/26/15 15:51 Dana Tryon

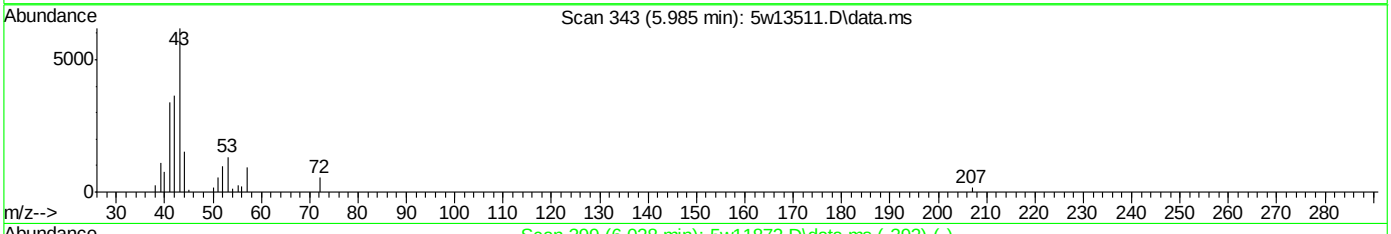
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			5.99	Poor instrument integration

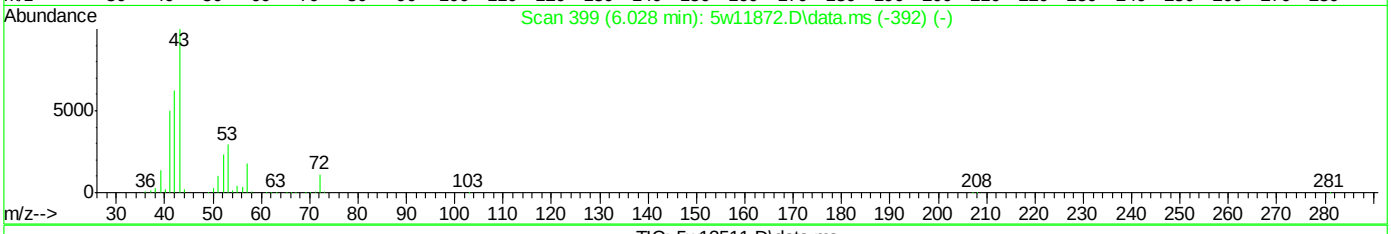
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13511.D
Acq On : 25 Aug 2015 9:40 pm
Operator : YOUMINH
Sample : IC534-0.5
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:39:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration







TIC: 5w13511.D\data.ms

(107) TVHC as equiv Pentane

5.985min (+0.000) 0.49ppb(v) m

response 56363

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon
08/26/15 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13512.D
Acq On : 25 Aug 2015 10:21 pm
Operator : YOUMINH
Sample : IC534-0.2
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:41:04 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.518	130	154922	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.684	114	633133	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.183	82	336250	10.00	ppb(v	# 0.00
106) Bromochloromethane (A)	8.518	130	155162	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.416	95	418628	9.88	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.80%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.985	69	10988	0.23	ppb(v#	93
3) Freon 152A	4.083	65	2164	0.22	ppb(v#	70
4) Chlorodifluoromethane	4.119	67	929	0.23	ppb(v	95
5) Propene	4.144	41	3235	0.26	ppb(v#	81
6) Dichlorodifluoromethane	4.211	85	8912	0.22	ppb(v	97
7) 1-Chloro-1,1-difluoroe...	4.327	65	6098	0.21	ppb(v#	72
8) Chloromethane	4.346	50	3527	0.23	ppb(v	99
9) Dichlorotetrafluoroethane	4.425	85	9178	0.22	ppb(v	87
10) Vinyl Chloride	4.529	62	3549	0.21	ppb(v#	96
11) 1,3-Butadiene	4.645	54	2669	0.21	ppb(v#	82
12) n-Butane	4.688	58	530	0.20	ppb(v#	8
13) Bromomethane	4.878	94	3451	0.23	ppb(v	95
14) Chloroethane	5.025	64	1775	0.22	ppb(v#	93
15) Dichlorofluoromethane	5.098	67	8326	0.22	ppb(v	97
16) Acetonitrile	5.337	41	3184	0.22	ppb(v#	46
17) Freon 123	5.447	83	8772	0.22	ppb(v	98
18) Freon 123A	5.496	117	4320	0.20	ppb(v	75
19) Bromoethene	5.318	106	3136	0.21	ppb(v#	93
20) Trichlorofluoromethane	5.685	101	8210	0.21	ppb(v	98
21) Acetone	5.581	58	1803	0.23	ppb(v	71
22) Pentane	5.985	57	939	0.21	ppb(v	78
23) 1,1-Dichloro-1-fluoroe...	5.789	81	7814	0.21	ppb(v#	97
24) Iodomethane	6.193	142	8493	0.21	ppb(v	91
25) Isopropyl Alcohol	5.789	43	1311	0.23	ppb(v	74
26) 1,1-Dichloroethene	6.260	61	5903	0.21	ppb(v	87
27) Freon 113	6.615	101	7313	0.22	ppb(v	95
28) Methylene Chloride	6.377	84	3123	0.21	ppb(v	82
29) Carbon Disulfide	6.664	76	9969	0.20	ppb(v	99
31) Acrylonitrile	5.973	53	2438	0.18	ppb(v	98
32) 3-Chloropropene	6.481	76	1561	0.20	ppb(v#	58
33) trans-1,2-Dichloroethene	7.276	61	4906	0.19	ppb(v	86
34) tert-Butyl Alcohol	6.340	59	7875	0.19	ppb(v#	87
35) Methyl tert-Butyl Ether	7.570	73	9618	0.20	ppb(v#	90
36) Vinyl Acetate	7.643	43	10562	0.22	ppb(v	94
37) 1,1-Dichloroethane	7.478	63	6991	0.21	ppb(v#	96
38) 2-Butanone	7.931	72	1543	0.18	ppb(v#	46
39) Hexane	8.542	57	5883	0.21	ppb(v#	68
40) cis-1,2-Dichloroethene	8.347	61	4901	0.20	ppb(v	85
41) Di-isopropyl Ether	8.567	87	2807	0.20	ppb(v	63

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13512.D
Acq On : 25 Aug 2015 10:21 pm
Operator : YOUMINH
Sample : IC534-0.2
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:41:04 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Ethyl Acetate	8.616	61	1226	0.20	ppb(v#	60
43) Methyl Acrylate	8.597	55	6408m	0.18	ppb(v	
44) Chloroform	8.652	83	7724	0.21	ppb(v#	94
45) 2,4-Dimethylpentane	9.509	57	6870	0.21	ppb(v	96
46) Tetrahydrofuran	9.166	72	1551	0.18	ppb(v#	71
47) 1,1,1-Trichloroethane	9.741	97	7439	0.21	ppb(v	98
48) 1,2-Dichloroethane	9.460	62	4629	0.20	ppb(v#	91
49) Benzene	10.261	78	11114	0.20	ppb(v	96
50) Carbon Tetrachloride	10.433	117	7333	0.20	ppb(v	94
51) Cyclohexane	10.561	56	6016	0.22	ppb(v	87
52) 2,3-Dimethylpentane	10.843	71	2399	0.21	ppb(v	86
54) 2,2,4-Trimethylpentane	11.522	57	18610	0.19	ppb(v#	95
55) Heptane	11.858	71	3543	0.19	ppb(v	83
56) Trichloroethene	11.503	95	5227	0.20	ppb(v	81
57) 1,2-Dichloropropane	11.216	63	4654	0.20	ppb(v	96
58) Dibromomethane	11.197	174	4023	0.20	ppb(v#	59
59) Ethyl Acrylate	11.265	55	8375	0.18	ppb(v	95
60) Methyl Methacrylate	11.785	69	3905	0.18	ppb(v#	71
61) 1,4-Dioxane	11.571	88	2312	0.17	ppb(v#	82
62) Bromodichloromethane	11.461	83	8582	0.19	ppb(v	95
63) cis-1,3-Dichloropropene	12.574	75	6811	0.18	ppb(v	93
64) 4-Methyl-2-pentanone	12.647	58	3074	0.16	ppb(v	75
65) trans-1,3-Dichloropropene	13.247	75	5498	0.17	ppb(v	91
66) Toluene	13.804	91	12587	0.18	ppb(v	94
67) 1,1,2-Trichloroethane	13.455	97	4593	0.19	ppb(v	94
68) 2-Hexanone	14.195	58	4109	0.15	ppb(v	80
69) Ethyl Methacrylate	14.207	69	6485	0.17	ppb(v	97
70) Dibromochloromethane	14.360	129	7529	0.17	ppb(v	93
71) Tetrachloroethene	15.309	166	5931	0.20	ppb(v	97
72) 1,2-Dibromoethane	14.678	107	7108	0.19	ppb(v	98
73) Octane	15.131	43	10055	0.20	ppb(v#	82
74) 1,1,1,2-Tetrachloroethane	16.226	131	5580	0.19	ppb(v#	1
76) Chlorobenzene	16.245	112	10528	0.21	ppb(v	90
77) Ethylbenzene	16.789	91	17246	0.20	ppb(v	97
78) m,p-Xylene	17.058	91	26150	0.41	ppb(v	94
79) Styrene	17.578	104	8721	0.18	ppb(v	93
80) Nonane	18.098	43	8726	0.19	ppb(v#	85
81) o-Xylene	17.731	91	12651	0.19	ppb(v	95
82) Bromoform	17.138	173	7094	0.18	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.731	83	10695	0.20	ppb(v#	97
84) 1,2,3-Trichloropropane	17.927	75	8162	0.20	ppb(v	93
85) Isopropylbenzene	18.637	105	17407	0.19	ppb(v#	92
86) Bromobenzene	18.753	156	5338	0.20	ppb(v	79
87) 2-Chlorotoluene	19.340	126	4327	0.20	ppb(v#	72
88) n-Propylbenzene	19.407	120	4613	0.20	ppb(v	77
90) 4-Ethyltoluene	19.622	105	17168	0.21	ppb(v	94
91) 1,3,5-Trimethylbenzene	19.738	105	14610	0.20	ppb(v	93
92) alpha-Methylstyrene	19.970	118	6728	0.19	ppb(v	95
93) tert-Butylbenzene	20.294	134	2975	0.21	ppb(v	76
94) 1,2,4-Trimethylbenzene	20.313	105	14654	0.20	ppb(v	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13512.D
Acq On : 25 Aug 2015 10:21 pm
Operator : YOUMINH
Sample : IC534-0.2
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:41:04 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,3-Dichlorobenzene	20.502	146	8917	0.20	ppb(v#	89
96) Benzyl Chloride	20.496	91	12003	0.18	ppb(v	94
97) 1,4-Dichlorobenzene	20.600	146	8972	0.20	ppb(v#	93
98) sec-Butylbenzene	20.680	134	3748	0.20	ppb(v	93
99) p-Isopropyltoluene	20.900	134	3980	0.19	ppb(v#	77
100) 1,2-Dichlorobenzene	21.059	146	8422	0.19	ppb(v#	93
101) n-Butylbenzene	21.463	134	3477	0.18	ppb(v	72
102) Hexachloroethane	21.928	201	4763	0.18	ppb(v	75
103) 1,2,4-Trichlorobenzene	23.237	180	4234	0.18	ppb(v	98
104) Naphthalene	23.366	128	9177	0.17	ppb(v	98
105) Hexachlorobutadiene	23.806	225	5114	0.21	ppb(v	95
107) TVHC as equiv Pentane	5.985	TIC	22553m	0.20	ppb(v	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

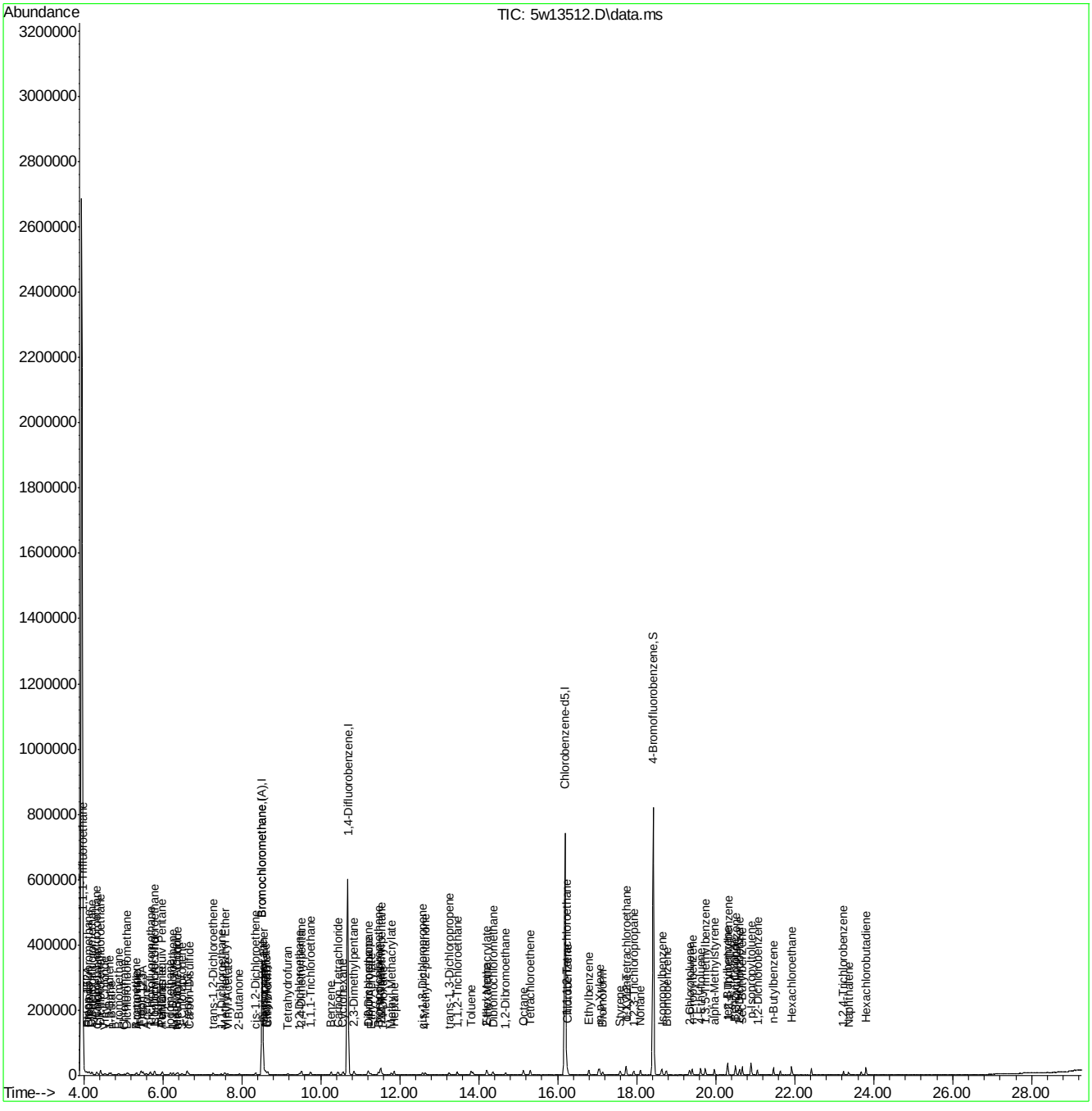
7.7.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13512.D
Acq On : 25 Aug 2015 10:21 pm
Operator : YOUMINH
Sample : IC534-0.2
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:41:04 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



Manual Integration Approval Summary

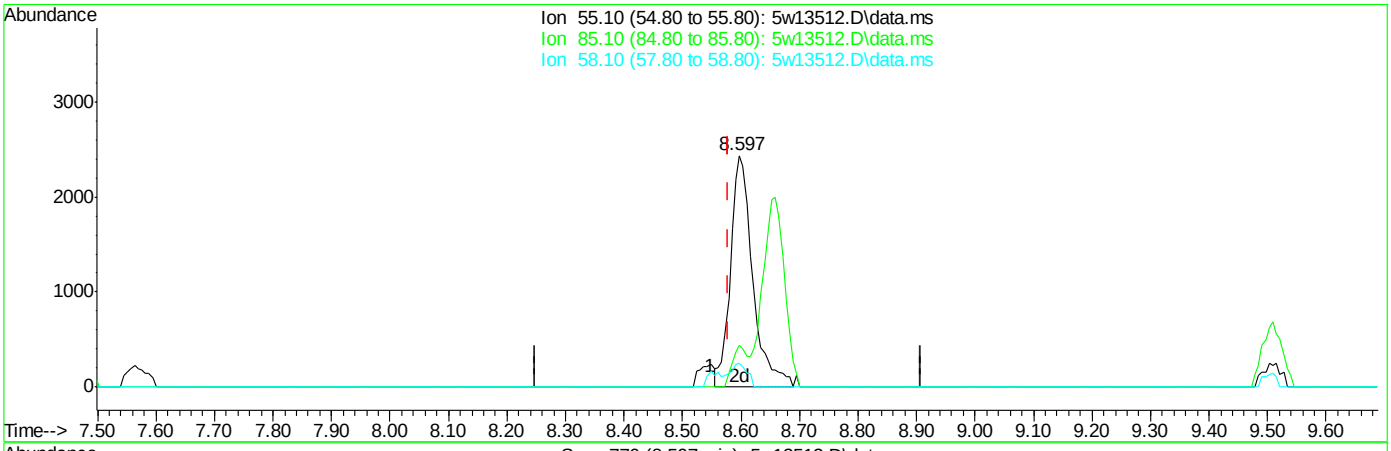
Sample Number:	V5W534-IC534	**Method:**	TO-15
Lab FileID:	5W13512.D	**Analyst approved:**	08/26/15 12:35 Youmin Hu
Injection Time:	08/25/15 22:21	**Supervisor approved:**	08/26/15 15:51 Dana Tryon

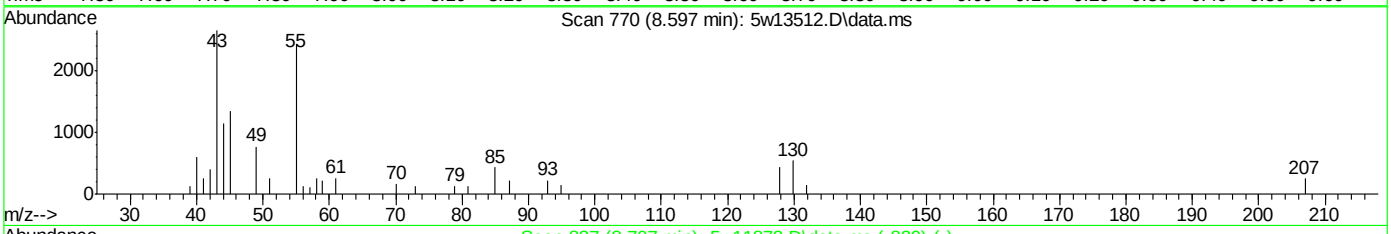
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			5.99	Poor instrument integration

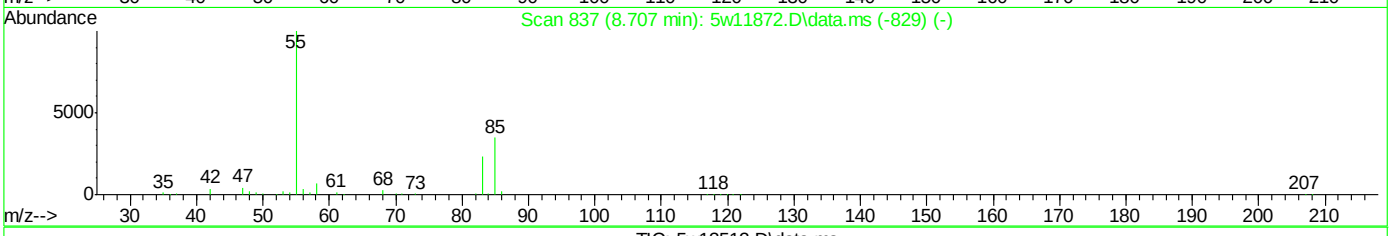
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13512.D
Acq On : 25 Aug 2015 10:21 pm
Operator : YOUMINH
Sample : IC534-0.2
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:26:14 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration







TIC: 5w13512.D\data.ms

(43) Methyl Acrylate

8.597min (+0.018) 0.18ppb(v) m

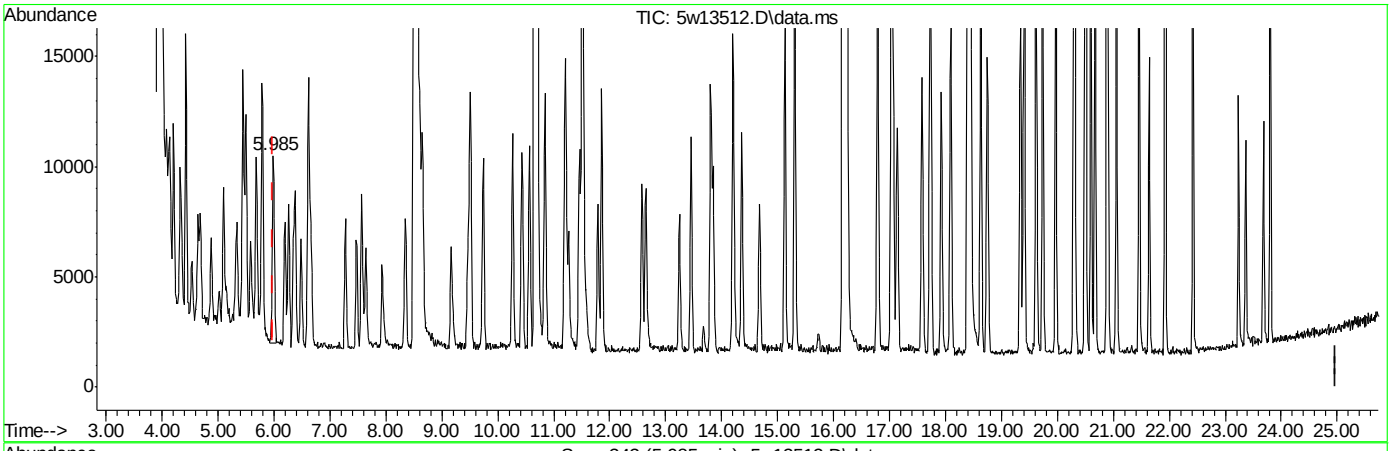
response 6408

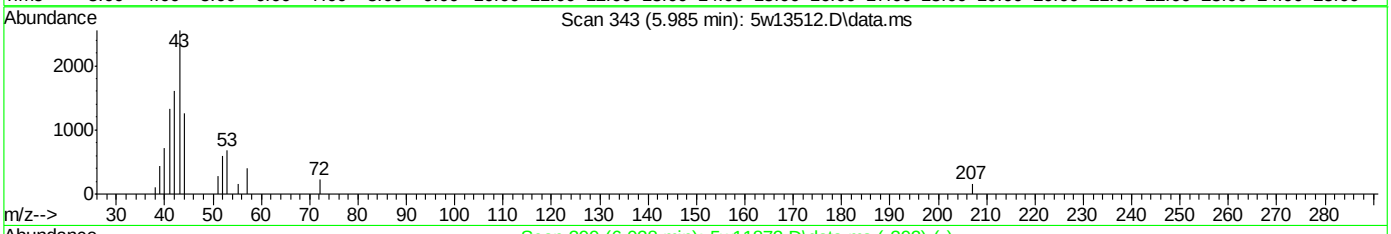
Ion	Exp%	Act%
55.10	100	100
85.10	34.60	17.91#
58.10	9.00	10.18
0.00	0.00	0.00

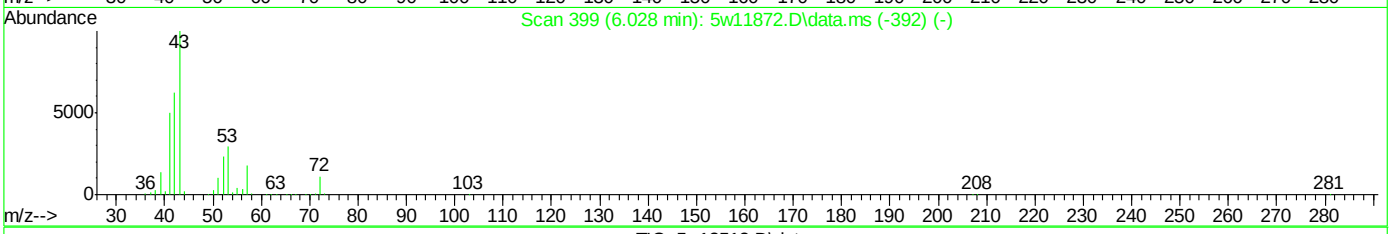
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13512.D
Acq On : 25 Aug 2015 10:21 pm
Operator : YOUMINH
Sample : IC534-0.2
Misc : MS90117,v5w534,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 08:41:04 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration







TIC: 5w13512.D\data.ms

(107) TVHC as equiv Pentane

5.985min (+0.000) 0.20ppb(v) m

response 22553

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13513.D
Acq On : 25 Aug 2015 11:04 pm
Operator : YOUMINH
Sample : IC534-20
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:16 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.530	130	157372	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.690	114	630430	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.189	82	370821	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.530	130	157372	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.422	95	441123	9.44	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 94.40%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.991	69	923723	18.81	ppb(v	96
3) Freon 152A	4.089	65	199089	19.69	ppb(v	93
4) Chlorodifluoromethane	4.125	67	75067	18.27	ppb(v	98
5) Propene	4.150	41	241577	18.88	ppb(v	97
6) Dichlorodifluoromethane	4.211	85	795263	19.22	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.327	65	546919	18.21	ppb(v	96
8) Chloromethane	4.352	50	301984	19.57	ppb(v	100
9) Dichlorotetrafluoroethane	4.431	85	852590	19.76	ppb(v	88
10) Vinyl Chloride	4.535	62	340207	19.72	ppb(v#	99
11) 1,3-Butadiene	4.645	54	253994	19.88	ppb(v	96
12) n-Butane	4.688	58	53925	19.72	ppb(v	83
13) Bromomethane	4.878	94	310437	20.21	ppb(v	98
14) Chloroethane	5.025	64	163951	20.08	ppb(v	96
15) Dichlorofluoromethane	5.098	67	764867	20.03	ppb(v	98
16) Acetonitrile	5.324	41	280245	19.42	ppb(v	100
17) Freon 123	5.447	83	793288	19.38	ppb(v	99
18) Freon 123A	5.496	117	410338	19.04	ppb(v	78
19) Bromoethene	5.324	106	299871	19.61	ppb(v#	97
20) Trichlorofluoromethane	5.685	101	769425	19.58	ppb(v	97
21) Acetone	5.545	58	153252	18.98	ppb(v	68
22) Pentane	5.991	57	85933	19.01	ppb(v	78
23) 1,1-Dichloro-1-fluoroe...	5.789	81	704947	19.01	ppb(v	97
24) Iodomethane	6.199	142	778247	18.87	ppb(v#	81
25) Isopropyl Alcohol	5.765	43	110056	19.07	ppb(v	53
26) 1,1-Dichloroethene	6.266	61	537440	18.43	ppb(v	88
27) Freon 113	6.615	101	647888	18.81	ppb(v	89
28) Methylene Chloride	6.383	84	288894	19.22	ppb(v	83
29) Carbon Disulfide	6.664	76	945874	18.94	ppb(v	99
30) Ethanol	5.135	45	146471	20.16	ppb(v	99
31) Acrylonitrile	5.967	53	264941	19.50	ppb(v	99
32) 3-Chloropropene	6.487	76	147890	18.66	ppb(v	78
33) trans-1,2-Dichloroethene	7.276	61	508238	19.73	ppb(v	87
34) tert-Butyl Alcohol	6.303	59	754316	18.06	ppb(v	97
35) Methyl tert-Butyl Ether	7.533	73	910798	18.70	ppb(v	95
36) Vinyl Acetate	7.631	43	906507	18.34	ppb(v	94
37) 1,1-Dichloroethane	7.478	63	631474	18.73	ppb(v	99
38) 2-Butanone	7.888	72	163949	18.81	ppb(v	63
39) Hexane	8.548	57	537598	19.07	ppb(v#	38
40) cis-1,2-Dichloroethene	8.353	61	489970	19.21	ppb(v	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13513.D
Acq On : 25 Aug 2015 11:04 pm
Operator : YOUMINH
Sample : IC534-20
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:16 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Di-isopropyl Ether	8.548	87	271447	18.87 ppb(v	62
42) Ethyl Acetate	8.591	61	122184	19.26 ppb(v	65
43) Methyl Acrylate	8.579	55	695593	19.39 ppb(v#	73
44) Chloroform	8.665	83	707200	18.53 ppb(v	95
45) 2,4-Dimethylpentane	9.509	57	631723	18.73 ppb(v	96
46) Tetrahydrofuran	9.105	72	163835	18.88 ppb(v	77
47) 1,1,1-Trichloroethane	9.741	97	633011	17.41 ppb(v	97
48) 1,2-Dichloroethane	9.466	62	432951	18.24 ppb(v#	96
49) Benzene	10.267	78	1094831	19.78 ppb(v	96
50) Carbon Tetrachloride	10.439	117	757525	20.25 ppb(v	99
51) Cyclohexane	10.567	56	557933	19.78 ppb(v	90
52) 2,3-Dimethylpentane	10.849	71	227229	19.38 ppb(v	87
54) 2,2,4-Trimethylpentane	11.528	57	1877621	18.84 ppb(v#	95
55) Heptane	11.864	71	359911	18.92 ppb(v	92
56) Trichloroethene	11.509	95	503754	19.39 ppb(v	85
57) 1,2-Dichloropropane	11.222	63	445471	19.06 ppb(v	99
58) Dibromomethane	11.204	174	396633	19.68 ppb(v#	69
59) Ethyl Acrylate	11.246	55	894120	18.99 ppb(v	96
60) Methyl Methacrylate	11.772	69	406585	19.03 ppb(v	78
61) 1,4-Dioxane	11.528	88	259321	19.62 ppb(v#	2
62) Bromodichloromethane	11.467	83	855502	19.22 ppb(v	98
63) cis-1,3-Dichloropropene	12.574	75	606873	16.16 ppb(v	95
64) 4-Methyl-2-pentanone	12.623	58	318441	16.32 ppb(v	82
65) trans-1,3-Dichloropropene	13.241	75	528746	16.19 ppb(v	94
66) Toluene	13.810	91	1156579	16.52 ppb(v	95
67) 1,1,2-Trichloroethane	13.455	97	404058	16.39 ppb(v	94
68) 2-Hexanone	14.177	58	523064	18.92 ppb(v	78
69) Ethyl Methacrylate	14.201	69	724686	18.87 ppb(v	95
70) Dibromochloromethane	14.366	129	836043	19.00 ppb(v	99
71) Tetrachloroethene	15.315	166	576387	19.42 ppb(v	95
72) 1,2-Dibromoethane	14.678	107	729718	19.36 ppb(v	99
73) Octane	15.131	43	923873	18.46 ppb(v	83
74) 1,1,1,2-Tetrachloroethane	16.232	131	557008	18.90 ppb(v	97
76) Chlorobenzene	16.251	112	1006880	18.36 ppb(v	89
77) Ethylbenzene	16.789	91	1694555	18.26 ppb(v	95
78) m,p-Xylene	17.064	91	2636885	37.33 ppb(v	95
79) Styrene	17.584	104	987985	18.45 ppb(v	93
80) Nonane	18.098	43	915812	18.00 ppb(v#	89
81) o-Xylene	17.737	91	1348034	18.52 ppb(v	94
82) Bromoform	17.144	173	797620	18.67 ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.737	83	1115505	18.49 ppb(v	99
84) 1,2,3-Trichloropropane	17.927	75	805512	18.25 ppb(v	93
85) Isopropylbenzene	18.637	105	1532162	15.47 ppb(v	95
86) Bromobenzene	18.753	156	469143	15.61 ppb(v#	79
87) 2-Chlorotoluene	19.340	126	383204	16.23 ppb(v#	70
88) n-Propylbenzene	19.407	120	417793	16.19 ppb(v	74
90) 4-Ethyltoluene	19.621	105	1554271	16.89 ppb(v	95
91) 1,3,5-Trimethylbenzene	19.744	105	1317636	16.73 ppb(v	95
92) alpha-Methylstyrene	19.970	118	682400	17.06 ppb(v	96
93) tert-Butylbenzene	20.301	134	272892	17.19 ppb(v	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13513.D
Acq On : 25 Aug 2015 11:04 pm
Operator : YOUMINH
Sample : IC534-20
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:16 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,2,4-Trimethylbenzene	20.319	105	1386614	17.16	ppb(v	86
95)	1,3-Dichlorobenzene	20.509	146	841113	17.26	ppb(v#	93
96)	Benzyl Chloride	20.496	91	1288189	17.10	ppb(v	94
97)	1,4-Dichlorobenzene	20.600	146	837041	17.22	ppb(v#	93
98)	sec-Butylbenzene	20.680	134	341501	16.88	ppb(v	77
99)	p-Isopropyltoluene	20.906	134	376252	16.41	ppb(v	84
100)	1,2-Dichlorobenzene	21.059	146	774782	16.25	ppb(v#	94
101)	n-Butylbenzene	21.469	134	344686	16.57	ppb(v	75
102)	Hexachloroethane	21.928	201	469008	16.43	ppb(v#	68
103)	1,2,4-Trichlorobenzene	23.237	180	433493	16.38	ppb(v	99
104)	Naphthalene	23.359	128	984408	16.59	ppb(v	99
105)	Hexachlorobutadiene	23.806	225	439208	16.41	ppb(v	98
107)	TVHC as equiv Pentane	5.991	TIC	2137221	19.07	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

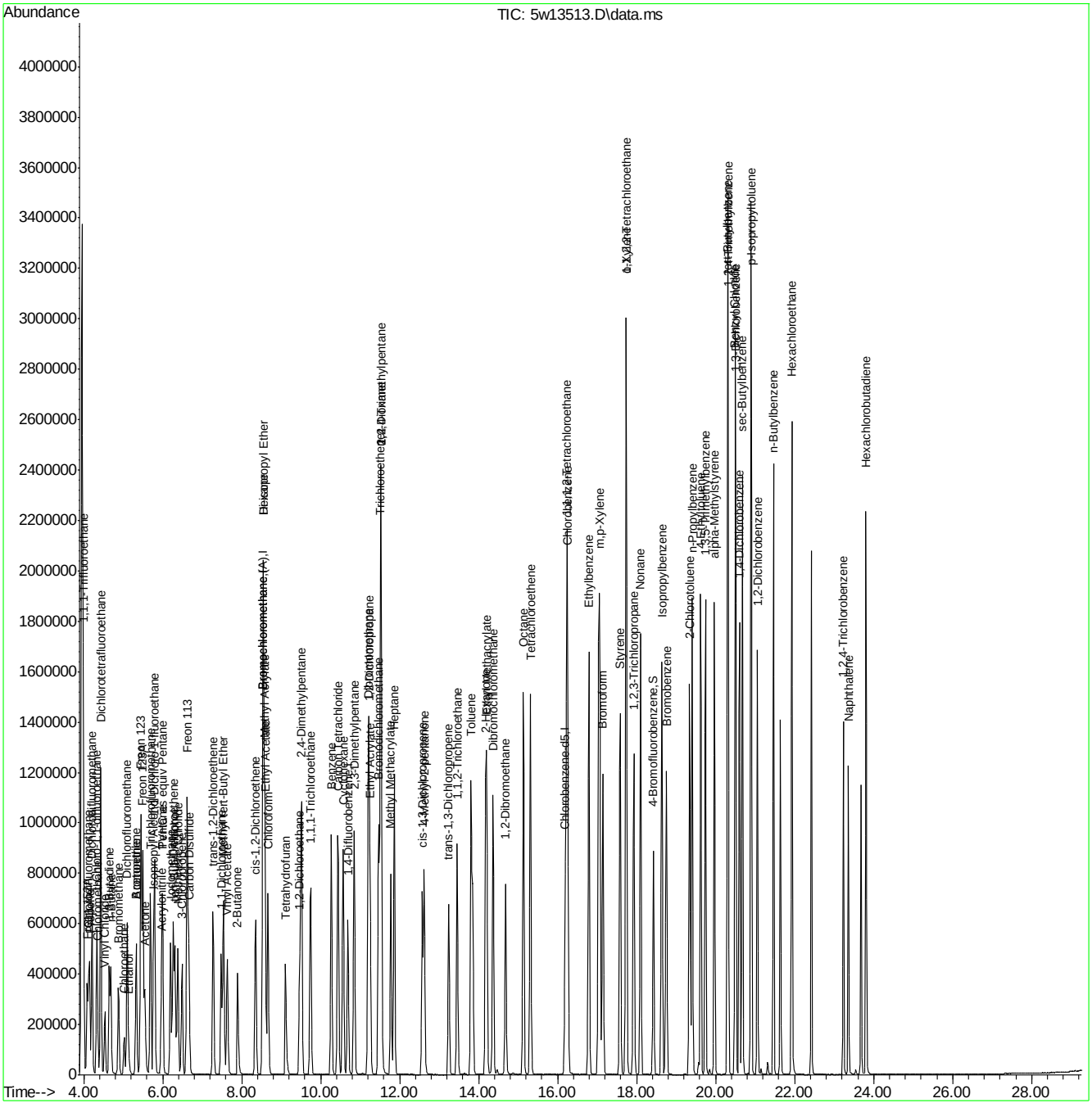
7.7.18

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13513.D
Acq On : 25 Aug 2015 11:04 pm
Operator : YOUMINH
Sample : IC534-20
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:16 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13514.D
Acq On : 25 Aug 2015 11:46 pm
Operator : YOUMINH
Sample : IC534-15
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:18 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.524	130	166686	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.684	114	648611	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.190	82	373888	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.524	130	166686	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.423	95	460171	9.76	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 97.60%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.985	69	750182	14.43	ppb(v#	93
3) Freon 152A	4.083	65	153970	14.38	ppb(v	87
4) Chlorodifluoromethane	4.119	67	63608	14.62	ppb(v	98
5) Propene	4.144	41	190219	14.03	ppb(v	95
6) Dichlorodifluoromethane	4.205	85	648229	14.79	ppb(v	100
7) 1-Chloro-1,1-difluoroe...	4.327	65	460504	14.47	ppb(v	95
8) Chloromethane	4.346	50	230347	14.10	ppb(v	99
9) Dichlorotetrafluoroethane	4.425	85	671275	14.69	ppb(v	89
10) Vinyl Chloride	4.529	62	259393	14.20	ppb(v#	98
11) 1,3-Butadiene	4.646	54	191678	14.16	ppb(v	92
12) n-Butane	4.682	58	40629	14.03	ppb(v	76
13) Bromomethane	4.878	94	239741	14.74	ppb(v	98
14) Chloroethane	5.019	64	124236	14.36	ppb(v	97
15) Dichlorofluoromethane	5.098	67	583989	14.44	ppb(v	98
16) Acetonitrile	5.325	41	212570	13.91	ppb(v	99
17) Freon 123	5.447	83	627350	14.47	ppb(v	98
18) Freon 123A	5.496	117	331650	14.53	ppb(v	81
19) Bromoethene	5.325	106	237064	14.64	ppb(v#	98
20) Trichlorofluoromethane	5.686	101	616923	14.82	ppb(v	99
21) Acetone	5.545	58	117833	13.78	ppb(v	68
22) Pentane	5.991	57	66552	13.90	ppb(v	78
23) 1,1-Dichloro-1-fluoroe...	5.790	81	574018	14.62	ppb(v	97
24) Iodomethane	6.199	142	653900	14.97	ppb(v	85
25) Isopropyl Alcohol	5.759	43	88665	14.50	ppb(v	67
26) 1,1-Dichloroethene	6.261	61	442677	14.33	ppb(v	86
27) Freon 113	6.615	101	542730	14.88	ppb(v	93
28) Methylene Chloride	6.383	84	231701	14.56	ppb(v	87
29) Carbon Disulfide	6.658	76	764214	14.45	ppb(v	100
30) Ethanol	5.129	45	110324	14.34	ppb(v	99
31) Acrylonitrile	5.961	53	201201	13.98	ppb(v	97
32) 3-Chloropropene	6.487	76	122154	14.55	ppb(v#	67
33) trans-1,2-Dichloroethene	7.276	61	392509	14.38	ppb(v	88
34) tert-Butyl Alcohol	6.303	59	641414	14.49	ppb(v	96
35) Methyl tert-Butyl Ether	7.533	73	732336	14.20	ppb(v	94
36) Vinyl Acetate	7.631	43	734552	14.03	ppb(v	93
37) 1,1-Dichloroethane	7.478	63	501050	14.03	ppb(v	99
38) 2-Butanone	7.888	72	129582	14.04	ppb(v	60
39) Hexane	8.543	57	416524	13.95	ppb(v#	36
40) cis-1,2-Dichloroethene	8.347	61	381194	14.11	ppb(v	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13514.D
Acq On : 25 Aug 2015 11:46 pm
Operator : YOUMINH
Sample : IC534-15
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:18 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Di-isopropyl Ether	8.549	87	214981	14.11	ppb(v#	53
42) Ethyl Acetate	8.585	61	94478	14.06	ppb(v#	51
43) Methyl Acrylate	8.579	55	536438	14.12	ppb(v#	75
44) Chloroform	8.665	83	579514	14.33	ppb(v#	94
45) 2,4-Dimethylpentane	9.509	57	500747	14.02	ppb(v	97
46) Tetrahydrofuran	9.105	72	129100	14.05	ppb(v#	74
47) 1,1,1-Trichloroethane	9.742	97	557091	14.47	ppb(v	98
48) 1,2-Dichloroethane	9.460	62	369092	14.68	ppb(v#	95
49) Benzene	10.268	78	830475	14.17	ppb(v	96
50) Carbon Tetrachloride	10.433	117	579501	14.62	ppb(v	98
51) Cyclohexane	10.567	56	419531	14.04	ppb(v	90
52) 2,3-Dimethylpentane	10.843	71	179569	14.46	ppb(v	86
54) 2,2,4-Trimethylpentane	11.528	57	1424370	13.89	ppb(v#	95
55) Heptane	11.858	71	273684	13.98	ppb(v	92
56) Trichloroethene	11.510	95	386336	14.46	ppb(v	87
57) 1,2-Dichloropropane	11.216	63	336154	13.98	ppb(v	98
58) Dibromomethane	11.198	174	309809	14.94	ppb(v#	68
59) Ethyl Acrylate	11.247	55	673669	13.91	ppb(v	96
60) Methyl Methacrylate	11.773	69	307120	13.97	ppb(v	79
61) 1,4-Dioxane	11.528	88	197938	14.56	ppb(v#	4
62) Bromodichloromethane	11.461	83	655030	14.31	ppb(v	98
63) cis-1,3-Dichloropropene	12.574	75	540133	13.98	ppb(v	95
64) 4-Methyl-2-pentanone	12.617	58	274972	13.70	ppb(v	79
65) trans-1,3-Dichloropropene	13.241	75	467724	13.92	ppb(v	93
66) Toluene	13.810	91	1000509	13.89	ppb(v	98
67) 1,1,2-Trichloroethane	13.455	97	351563	13.87	ppb(v	96
68) 2-Hexanone	14.171	58	393827	13.84	ppb(v	78
69) Ethyl Methacrylate	14.201	69	546404	13.83	ppb(v	96
70) Dibromochloromethane	14.360	129	646433	14.28	ppb(v	99
71) Tetrachloroethene	15.309	166	446383	14.61	ppb(v	94
72) 1,2-Dibromoethane	14.679	107	557945	14.39	ppb(v	99
73) Octane	15.131	43	689647	13.39	ppb(v	84
74) 1,1,1,2-Tetrachloroethane	16.226	131	428329	14.13	ppb(v	99
76) Chlorobenzene	16.251	112	775518	14.03	ppb(v	90
77) Ethylbenzene	16.789	91	1300025	13.89	ppb(v	96
78) m,p-Xylene	17.058	91	2004982	28.15	ppb(v	94
79) Styrene	17.578	104	756310	14.01	ppb(v	92
80) Nonane	18.098	43	692770	13.50	ppb(v#	89
81) o-Xylene	17.731	91	1046219	14.25	ppb(v	94
82) Bromoform	17.144	173	612107	14.21	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.731	83	858752	14.12	ppb(v	99
84) 1,2,3-Trichloropropane	17.927	75	619147	13.91	ppb(v	94
85) Isopropylbenzene	18.637	105	1407517	14.09	ppb(v	95
86) Bromobenzene	18.753	156	435791	14.38	ppb(v#	79
87) 2-Chlorotoluene	19.340	126	340438	14.30	ppb(v#	75
88) n-Propylbenzene	19.408	120	366446	14.09	ppb(v	76
90) 4-Ethyltoluene	19.622	105	1319463	14.22	ppb(v	95
91) 1,3,5-Trimethylbenzene	19.738	105	1134211	14.29	ppb(v	95
92) alpha-Methylstyrene	19.970	118	574756	14.25	ppb(v	97
93) tert-Butylbenzene	20.301	134	227218	14.19	ppb(v#	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13514.D
Acq On : 25 Aug 2015 11:46 pm
Operator : YOUMINH
Sample : IC534-15
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:18 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,2,4-Trimethylbenzene	20.313	105	1167833	14.34	ppb(v	95
95) 1,3-Dichlorobenzene	20.503	146	719035	14.63	ppb(v#	92
96) Benzyl Chloride	20.497	91	1092032	14.38	ppb(v	93
97) 1,4-Dichlorobenzene	20.601	146	718025	14.65	ppb(v#	93
98) sec-Butylbenzene	20.680	134	291105	14.27	ppb(v	79
99) p-Isopropyltoluene	20.906	134	327299	14.16	ppb(v	86
100) 1,2-Dichlorobenzene	21.059	146	681585	14.18	ppb(v#	94
101) n-Butylbenzene	21.463	134	293833	14.01	ppb(v	68
102) Hexachloroethane	21.928	201	391189	13.59	ppb(v	70
103) 1,2,4-Trichlorobenzene	23.237	180	386200	14.48	ppb(v	98
104) Naphthalene	23.360	128	871595	14.57	ppb(v	99
105) Hexachlorobutadiene	23.806	225	370009	13.71	ppb(v	98
107) TVHC as equiv Pentane	5.985	TIC	1671372	14.08	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

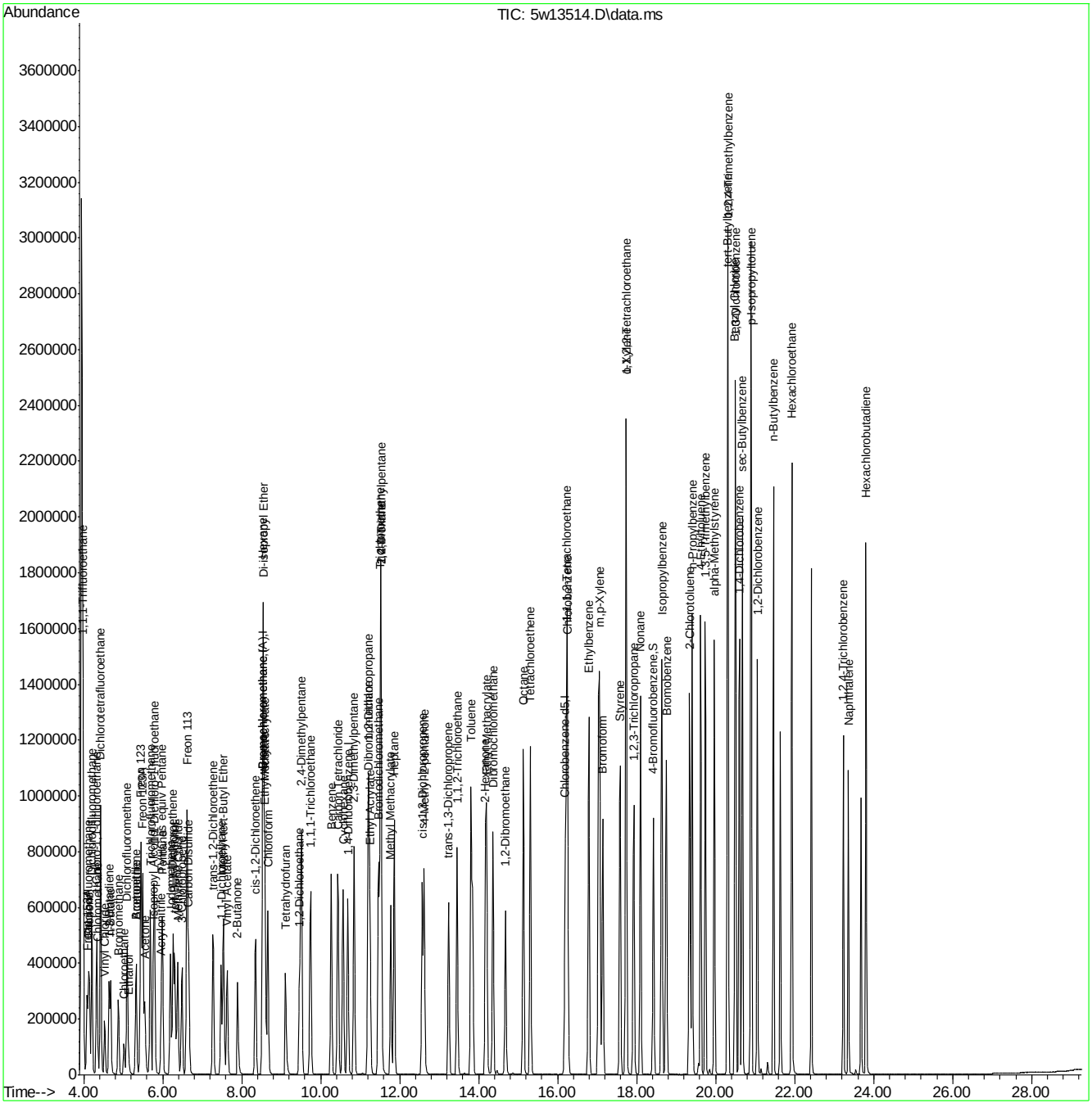
7.7.19

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13514.D
Acq On : 25 Aug 2015 11:46 pm
Operator : YOUMINH
Sample : IC534-15
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:18 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

5W13516.D

Manual Integrations APPROVED (compounds with "m" flag)

Dana Tryon 08/26/15 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13516.D
Acq On : 26 Aug 2015 1:13 am
Operator : YOUMINH
Sample : IC534-0.1
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:44:30 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.518	130	163538	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.677	114	631062	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.183	82	333254	10.00	ppb(v	# 0.00
106) Bromochloromethane (A)	8.518	130	163621	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.416	95	421012	10.02	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.20%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.985	69	4931	0.10	ppb(v#	91
3) Freon 152A	4.076	65	1072	0.10	ppb(v#	33
4) Chlorodifluoromethane	4.119	67	420	0.10	ppb(v#	40
6) Dichlorodifluoromethane	4.205	85	4327	0.10	ppb(v	96
7) 1-Chloro-1,1-difluoroe...	4.327	65	3191	0.10	ppb(v#	68
8) Chloromethane	4.346	50	1641	0.10	ppb(v	98
9) Dichlorotetrafluoroethane	4.425	85	4515	0.10	ppb(v#	90
10) Vinyl Chloride	4.535	62	1625	0.09	ppb(v#	95
11) 1,3-Butadiene	4.639	54	1225	0.09	ppb(v	89
12) n-Butane	4.688	58	231	0.08	ppb(v#	21
13) Bromomethane	4.878	94	1705	0.11	ppb(v	90
14) Chloroethane	5.019	64	737	0.09	ppb(v#	89
15) Dichlorofluoromethane	5.098	67	4046	0.10	ppb(v	99
17) Freon 123	5.447	83	4196	0.10	ppb(v	96
18) Freon 123A	5.496	117	2138	0.10	ppb(v	83
19) Bromoethene	5.324	106	1611	0.10	ppb(v#	94
20) Trichlorofluoromethane	5.685	101	4151	0.10	ppb(v	98
21) Acetone	5.594	58	876	0.10	ppb(v	67
22) Pentane	5.985	57	398	0.08	ppb(v	71
23) 1,1-Dichloro-1-fluoroe...	5.789	81	3935	0.10	ppb(v#	94
24) Iodomethane	6.199	142	4377	0.10	ppb(v	91
26) 1,1-Dichloroethene	6.260	61	2855	0.09	ppb(v#	85
27) Freon 113	6.615	101	3475	0.10	ppb(v	93
28) Methylene Chloride	6.377	84	1483	0.09	ppb(v	81
29) Carbon Disulfide	6.658	76	4704	0.09	ppb(v	99
31) Acrylonitrile	5.979	53	1094	0.08	ppb(v	90
32) 3-Chloropropene	6.481	76	696	0.08	ppb(v#	61
33) trans-1,2-Dichloroethene	7.276	61	2478	0.09	ppb(v	82
34) tert-Butyl Alcohol	6.352	59	3701	0.09	ppb(v#	84
35) Methyl tert-Butyl Ether	7.576	73	4689	0.09	ppb(v#	91
36) Vinyl Acetate	7.649	43	4771	0.09	ppb(v	97
37) 1,1-Dichloroethane	7.478	63	3393	0.10	ppb(v#	96
39) Hexane	8.542	57	2740	0.09	ppb(v#	75
40) cis-1,2-Dichloroethene	8.347	61	2412	0.09	ppb(v	86
41) Di-isopropyl Ether	8.573	87	1231	0.08	ppb(v#	37
42) Ethyl Acetate	8.616	61	491	0.07	ppb(v#	70
43) Methyl Acrylate	8.604	55	2926	0.08	ppb(v#	73
44) Chloroform	8.652	83	3851	0.10	ppb(v#	94
45) 2,4-Dimethylpentane	9.509	57	3266	0.09	ppb(v	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13516.D
Acq On : 26 Aug 2015 1:13 am
Operator : YOUMINH
Sample : IC534-0.1
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:44:30 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	Tetrahydrofuran	9.179	72	678	0.08	ppb(v#	77
47)	1,1,1-Trichloroethane	9.741	97	3565	0.09	ppb(v	97
48)	1,2-Dichloroethane	9.460	62	2311	0.09	ppb(v#	85
49)	Benzene	10.261	78	5518	0.10	ppb(v#	90
50)	Carbon Tetrachloride	10.433	117	3504	0.09	ppb(v#	96
51)	Cyclohexane	10.567	56	2814	0.10	ppb(v	86
52)	2,3-Dimethylpentane	10.849	71	1120	0.09	ppb(v#	93
54)	2,2,4-Trimethylpentane	11.522	57	8991	0.09	ppb(v#	92
55)	Heptane	11.858	71	1699	0.09	ppb(v	92
56)	Trichloroethene	11.503	95	2484	0.10	ppb(v	88
57)	1,2-Dichloropropane	11.216	63	2144	0.09	ppb(v	95
58)	Dibromomethane	11.197	174	1926	0.10	ppb(v#	64
59)	Ethyl Acrylate	11.277	55	3561	0.08	ppb(v#	81
60)	Methyl Methacrylate	11.791	69	1701	0.08	ppb(v	78
62)	Bromodichloromethane	11.461	83	4017	0.09	ppb(v	96
63)	cis-1,3-Dichloropropene	12.580	75	3313	0.09	ppb(v	95
64)	4-Methyl-2-pentanone	12.647	58	1337	0.07	ppb(v	72
65)	trans-1,3-Dichloropropene	13.247	75	2542	0.08	ppb(v	94
66)	Toluene	13.810	91	6528	0.09	ppb(v#	94
67)	1,1,2-Trichloroethane	13.455	97	2149	0.09	ppb(v	92
69)	Ethyl Methacrylate	14.213	69	2949	0.08	ppb(v#	91
70)	Dibromochloromethane	14.360	129	3991	0.09	ppb(v#	96
71)	Tetrachloroethene	15.309	166	2926	0.10	ppb(v	91
72)	1,2-Dibromoethane	14.685	107	3549	0.09	ppb(v#	94
73)	Octane	15.131	43	4577	0.09	ppb(v#	81
74)	1,1,1,2-Tetrachloroethane	16.220	131	2618	0.09	ppb(v#	1
76)	Chlorobenzene	16.251	112	5177	0.11	ppb(v	87
77)	Ethylbenzene	16.789	91	8073	0.10	ppb(v	96
78)	m,p-Xylene	17.052	91	12547	0.20	ppb(v	92
79)	Styrene	17.590	104	4290	0.09	ppb(v	95
80)	Nonane	18.092	43	4434	0.10	ppb(v#	81
81)	o-Xylene	17.731	91	6246	0.10	ppb(v	94
82)	Bromoform	17.144	173	3527	0.09	ppb(v	94
83)	1,1,2,2-Tetrachloroethane	17.731	83	5103	0.09	ppb(v#	99
84)	1,2,3-Trichloropropane	17.927	75	3840	0.10	ppb(v	91
85)	Isopropylbenzene	18.630	105	8480	0.10	ppb(v#	93
86)	Bromobenzene	18.753	156	2716	0.10	ppb(v#	76
87)	2-Chlorotoluene	19.340	126	2092	0.10	ppb(v#	72
88)	n-Propylbenzene	19.407	120	2043	0.09	ppb(v	59
90)	4-Ethyltoluene	19.628	105	8096	0.10	ppb(v	95
91)	1,3,5-Trimethylbenzene	19.744	105	6873	0.10	ppb(v	95
92)	alpha-Methylstyrene	19.970	118	2996	0.08	ppb(v	88
93)	tert-Butylbenzene	20.301	134	1290	0.09	ppb(v	76
94)	1,2,4-Trimethylbenzene	20.313	105	6927	0.10	ppb(v	88
95)	1,3-Dichlorobenzene	20.509	146	4580	0.10	ppb(v#	95
96)	Benzyl Chloride	20.496	91	5946	0.09	ppb(v	92
97)	1,4-Dichlorobenzene	20.600	146	4800	0.11	ppb(v#	92
98)	sec-Butylbenzene	20.680	134	1687	0.09	ppb(v	91
99)	p-Isopropyltoluene	20.906	134	1769	0.09	ppb(v	80
100)	1,2-Dichlorobenzene	21.059	146	4189	0.10	ppb(v#	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13516.D
Acq On : 26 Aug 2015 1:13 am
Operator : YOUMINH
Sample : IC534-0.1
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:44:30 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) n-Butylbenzene	21.463	134	1524	0.08	ppb(v#	49
102) Hexachloroethane	21.928	201	2172	0.08	ppb(v	79
103) 1,2,4-Trichlorobenzene	23.243	180	2428	0.10	ppb(v	95
104) Naphthalene	23.366	128	5332	0.10	ppb(v	97
105) Hexachlorobutadiene	23.806	225	2669	0.11	ppb(v	94
107) TVHC as equiv Pentane	5.985	TIC	10637m	0.09	ppb(v	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

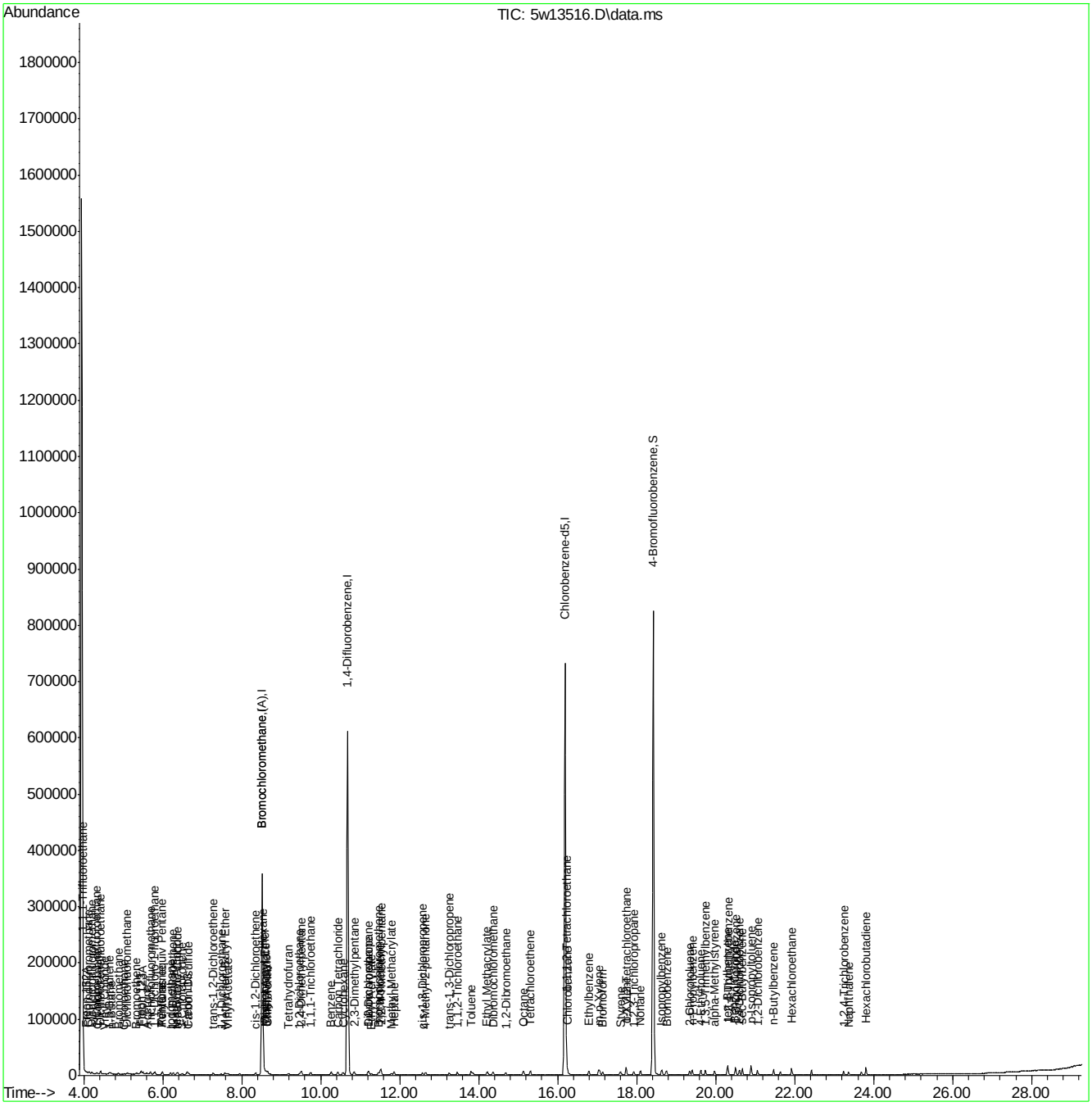
7.7.20

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13516.D
Acq On : 26 Aug 2015 1:13 am
Operator : YOUMINH
Sample : IC534-0.1
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:44:30 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



Manual Integration Approval Summary

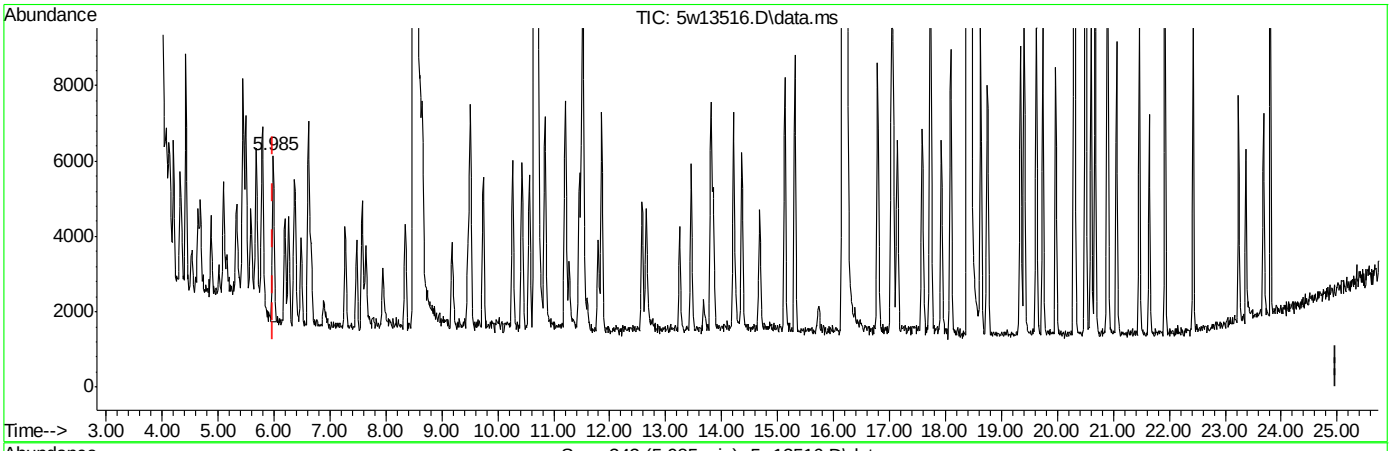
Sample Number:	V5W534-IC534	**Method:**	TO-15
Lab FileID:	5W13516.D	**Analyst approved:**	08/26/15 12:35 Youmin Hu
Injection Time:	08/26/15 01:13	**Supervisor approved:**	08/26/15 15:51 Dana Tryon

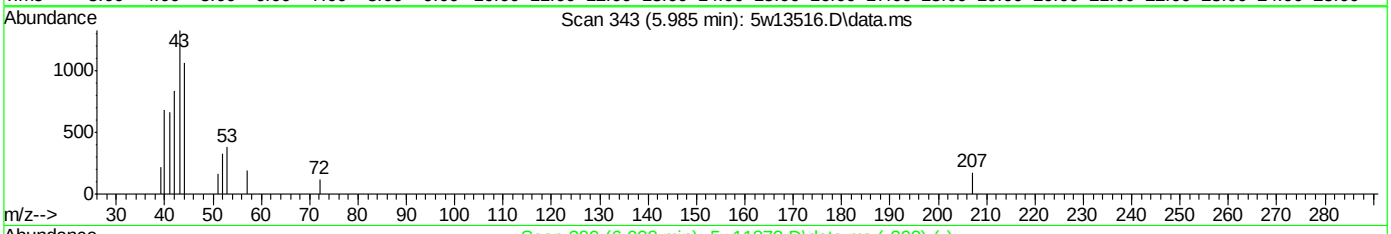
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			5.99	Poor instrument integration

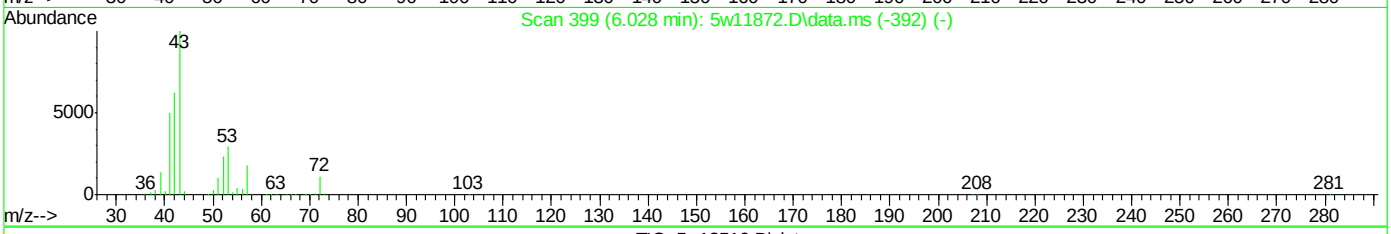
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13516.D
Acq On : 26 Aug 2015 1:13 am
Operator : YOUMINH
Sample : IC534-0.1
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:44:30 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration







TIC: 5w13516.D\data.ms

(107) TVHC as equiv Pentane

5.985min (0.000) 0.09ppb(v) m

response 10637

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon
08/26/15 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13517.D
Acq On : 26 Aug 2015 1:54 am
Operator : YOUMINH
Sample : IC534-0.04
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:46:42 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.524	130	161479	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.684	114	630952	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.183	82	335468	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.524	130	161806	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.416	95	426279	10.08	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.80%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.991	69	2336	0.05	ppb(v#	90
3) Freon 152A	4.089	65	460	0.04	ppb(v#	1
6) Dichlorodifluoromethane	4.211	85	1937	0.05	ppb(v#	86
7) 1-Chloro-1,1-difluoroe...	4.327	65	1490	0.05	ppb(v#	64
8) Chloromethane	4.352	50	803	0.05	ppb(v	92
9) Dichlorotetrafluoroethane	4.425	85	2057	0.05	ppb(v	85
10) Vinyl Chloride	4.535	62	687	0.04	ppb(v#	89
11) 1,3-Butadiene	4.645	54	523	0.04	ppb(v#	78
13) Bromomethane	4.878	94	823	0.05	ppb(v#	88
14) Chloroethane	5.031	64	309	0.04	ppb(v#	50
15) Dichlorofluoromethane	5.104	67	1843	0.05	ppb(v#	90
17) Freon 123	5.447	83	1901	0.05	ppb(v	96
18) Freon 123A	5.496	117	879	0.04	ppb(v	94
19) Bromoethene	5.325	106	613	0.04	ppb(v#	87
20) Trichlorofluoromethane	5.685	101	1877	0.05	ppb(v#	97
23) 1,1-Dichloro-1-fluoroe...	5.796	81	1708	0.04	ppb(v#	84
24) Iodomethane	6.199	142	1868	0.04	ppb(v	97
26) 1,1-Dichloroethene	6.267	61	1207	0.04	ppb(v	90
27) Freon 113	6.615	101	1535	0.04	ppb(v	95
28) Methylene Chloride	6.377	84	667	0.04	ppb(v#	82
29) Carbon Disulfide	6.658	76	2149	0.04	ppb(v#	75
31) Acrylonitrile	5.973	53	417	0.03	ppb(v#	63
32) 3-Chloropropene	6.487	76	268	0.03	ppb(v#	68
33) trans-1,2-Dichloroethene	7.276	61	1019	0.04	ppb(v	90
34) tert-Butyl Alcohol	6.371	59	1416	0.03	ppb(v#	62
35) Methyl tert-Butyl Ether	7.582	73	2101	0.04	ppb(v#	87
36) Vinyl Acetate	7.649	43	2323	0.05	ppb(v#	74
37) 1,1-Dichloroethane	7.484	63	1501	0.04	ppb(v#	93
39) Hexane	8.549	57	1202	0.04	ppb(v#	74
40) cis-1,2-Dichloroethene	8.347	61	1010	0.04	ppb(v	86
41) Di-isopropyl Ether	8.579	87	496	0.03	ppb(v#	61
43) Methyl Acrylate	8.610	55	1149	0.03	ppb(v#	47
44) Chloroform	8.659	83	1705	0.04	ppb(v#	88
45) 2,4-Dimethylpentane	9.509	57	1411	0.04	ppb(v	92
47) 1,1,1-Trichloroethane	9.742	97	1580	0.04	ppb(v#	86
48) 1,2-Dichloroethane	9.460	62	961	0.04	ppb(v#	88
49) Benzene	10.262	78	2506	0.04	ppb(v#	90
50) Carbon Tetrachloride	10.433	117	1505	0.04	ppb(v	92
51) Cyclohexane	10.561	56	1196	0.04	ppb(v	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13517.D
Acq On : 26 Aug 2015 1:54 am
Operator : YOUMINH
Sample : IC534-0.04
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:46:42 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	2,3-Dimethylpentane	10.843	71	438	0.04	ppb(v#	96
54)	2,2,4-Trimethylpentane	11.522	57	3854	0.04	ppb(v#	89
55)	Heptane	11.852	71	685	0.04	ppb(v#	88
56)	Trichloroethene	11.503	95	1174	0.05	ppb(v	76
57)	1,2-Dichloropropane	11.222	63	944	0.04	ppb(v#	90
58)	Dibromomethane	11.204	174	863	0.04	ppb(v	76
59)	Ethyl Acrylate	11.283	55	1590	0.03	ppb(v#	69
60)	Methyl Methacrylate	11.791	69	653	0.03	ppb(v#	71
62)	Bromodichloromethane	11.461	83	1722	0.04	ppb(v#	91
63)	cis-1,3-Dichloropropene	12.586	75	1373	0.04	ppb(v#	88
65)	trans-1,3-Dichloropropene	13.253	75	1106	0.03	ppb(v#	68
66)	Toluene	13.810	91	3005	0.04	ppb(v	95
67)	1,1,2-Trichloroethane	13.467	97	934	0.04	ppb(v	92
69)	Ethyl Methacrylate	14.220	69	1098	0.03	ppb(v#	78
70)	Dibromochloromethane	14.366	129	1664	0.04	ppb(v#	94
71)	Tetrachloroethene	15.315	166	1321	0.04	ppb(v	100
72)	1,2-Dibromoethane	14.685	107	1602	0.04	ppb(v#	98
73)	Octane	15.137	43	2091	0.04	ppb(v#	78
74)	1,1,1,2-Tetrachloroethane	16.232	131	1173	0.04	ppb(v#	1
76)	Chlorobenzene	16.251	112	2292	0.05	ppb(v#	85
77)	Ethylbenzene	16.789	91	3607	0.04	ppb(v	93
78)	m,p-Xylene	17.058	91	5665	0.09	ppb(v	88
79)	Styrene	17.597	104	1865	0.04	ppb(v	92
80)	Nonane	18.098	43	2095	0.05	ppb(v#	83
81)	o-Xylene	17.737	91	2807	0.04	ppb(v	96
82)	Bromoform	17.144	173	1610	0.04	ppb(v#	93
83)	1,1,2,2-Tetrachloroethane	17.737	83	2297	0.04	ppb(v#	95
84)	1,2,3-Trichloropropane	17.939	75	1741	0.04	ppb(v	88
85)	Isopropylbenzene	18.637	105	3897	0.04	ppb(v#	95
86)	Bromobenzene	18.753	156	1283	0.05	ppb(v#	75
87)	2-Chlorotoluene	19.340	126	828	0.04	ppb(v#	61
88)	n-Propylbenzene	19.407	120	810	0.03	ppb(v	77
90)	4-Ethyltoluene	19.628	105	3574	0.04	ppb(v#	93
91)	1,3,5-Trimethylbenzene	19.744	105	3079	0.04	ppb(v#	91
92)	alpha-Methylstyrene	19.970	118	1323	0.04	ppb(v	95
93)	tert-Butylbenzene	20.295	134	517	0.04	ppb(v	86
94)	1,2,4-Trimethylbenzene	20.313	105	3039	0.04	ppb(v	93
95)	1,3-Dichlorobenzene	20.509	146	2043m	0.05	ppb(v	
96)	Benzyl Chloride	20.503	91	2500	0.04	ppb(v#	91
97)	1,4-Dichlorobenzene	20.613	146	2071	0.05	ppb(v	96
98)	sec-Butylbenzene	20.680	134	692	0.04	ppb(v	89
99)	p-Isopropyltoluene	20.906	134	754	0.04	ppb(v	86
100)	1,2-Dichlorobenzene	21.065	146	1898	0.04	ppb(v#	96
101)	n-Butylbenzene	21.469	134	624	0.03	ppb(v	86
102)	Hexachloroethane	21.922	201	956	0.04	ppb(v	92
103)	1,2,4-Trichlorobenzene	23.243	180	1137	0.05	ppb(v	93
104)	Naphthalene	23.372	128	2389	0.04	ppb(v#	81
105)	Hexachlorobutadiene	23.806	225	1168	0.05	ppb(v	95
107)	TVHC as equiv Pentane	5.991	TIC	5234m	0.05	ppb(v	

7.7.21 7

ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13517.D
Acq On : 26 Aug 2015 1:54 am
Operator : YOUMINH
Sample : IC534-0.04
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:46:42 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

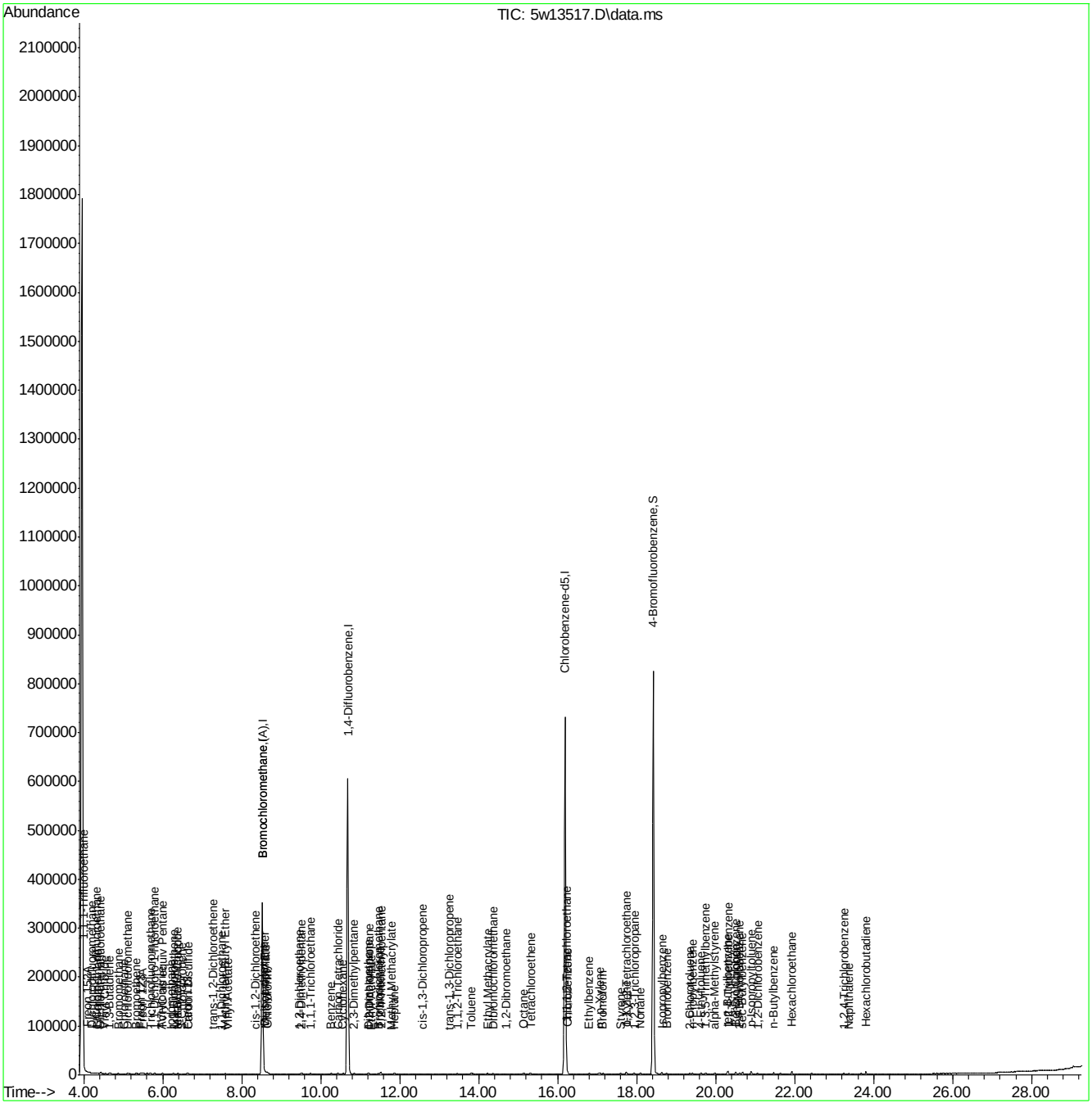
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13517.D
Acq On : 26 Aug 2015 1:54 am
Operator : YOUMINH
Sample : IC534-0.04
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:46:42 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



Manual Integration Approval Summary

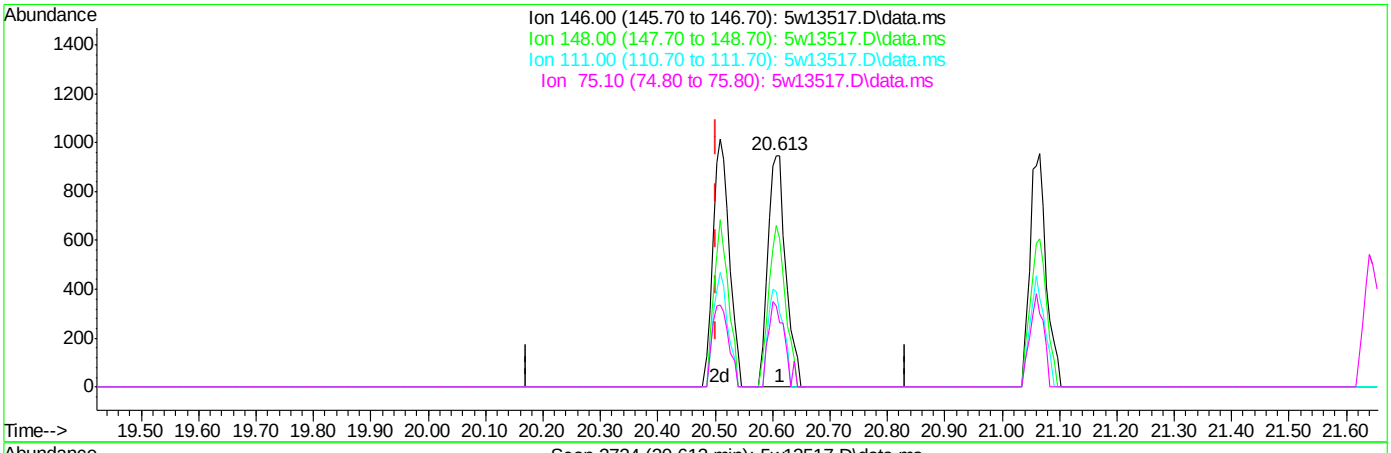
Sample Number:	V5W534-IC534	**Method:**	TO-15
Lab FileID:	5W13517.D	**Analyst approved:**	08/26/15 12:35 Youmin Hu
Injection Time:	08/26/15 01:54	**Supervisor approved:**	08/26/15 15:51 Dana Tryon

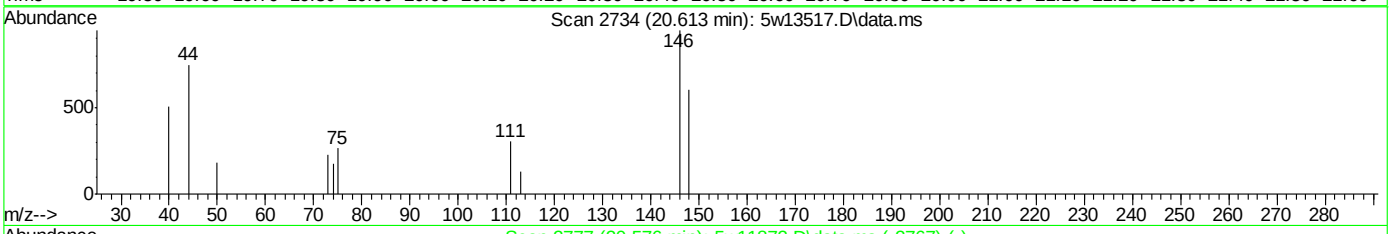
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			5.99	Poor instrument integration
m-Dichlorobenzene	541-73-1		20.51	Missed peak

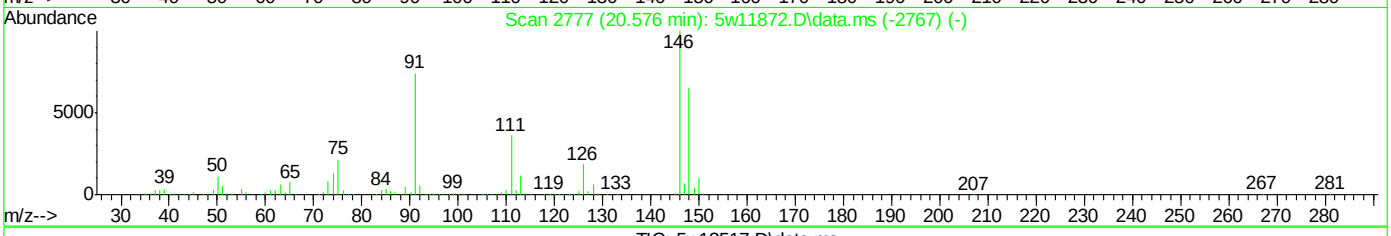
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13517.D
Acq On : 26 Aug 2015 1:54 am
Operator : YOUMINH
Sample : IC534-0.04
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:26:24 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration







TIC: 5w13517.D\data.ms

(95) 1,3-Dichlorobenzene

20.613min (+0.110) 0.05ppb(v)

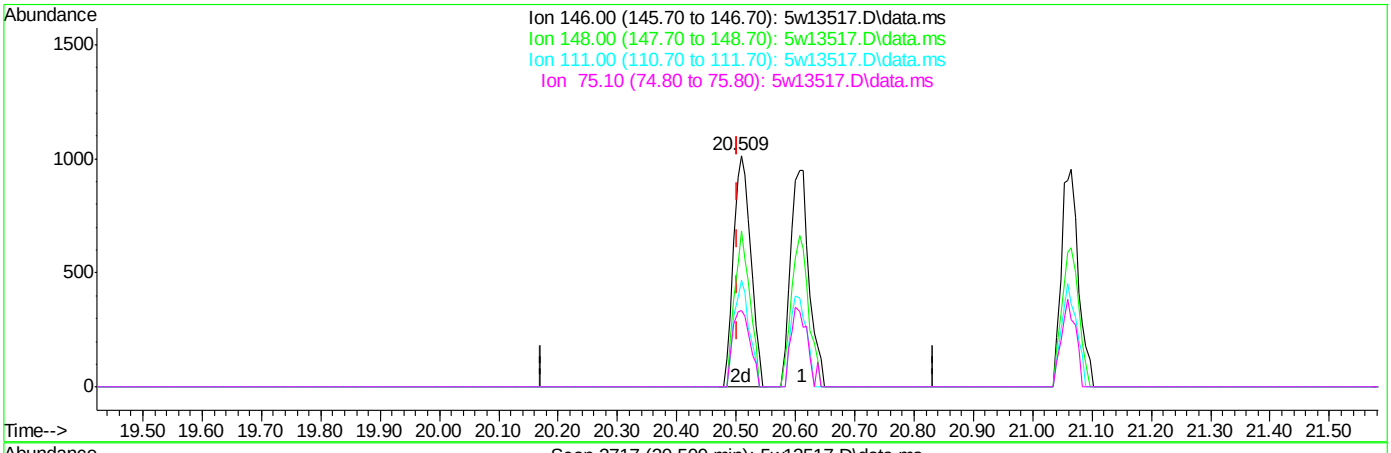
response 2071

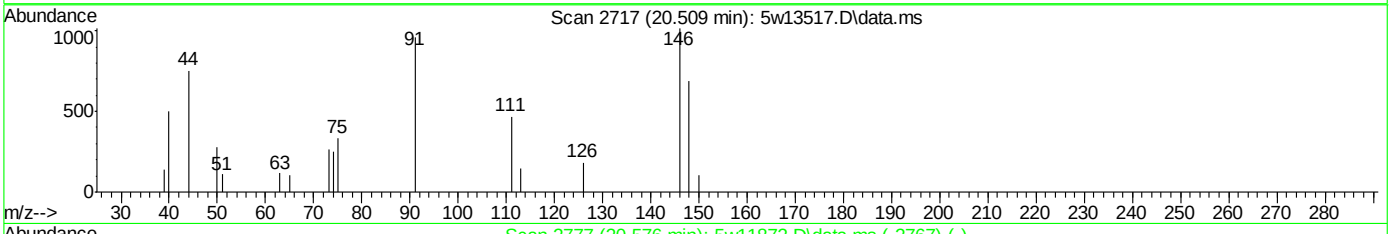
Ion	Exp%	Act%
146.00	100	100
148.00	64.80	63.82
111.00	36.20	31.96
75.10	21.50	27.85

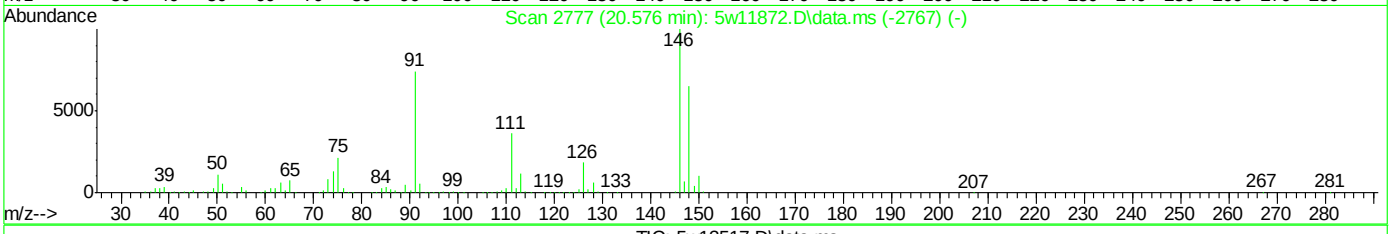
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13517.D
Acq On : 26 Aug 2015 1:54 am
Operator : YOUMINH
Sample : IC534-0.04
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:46:42 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration







TIC: 5w13517.D\data.ms

(95) 1,3-Dichlorobenzene

20.509min (+0.006) 0.05ppb(v) m

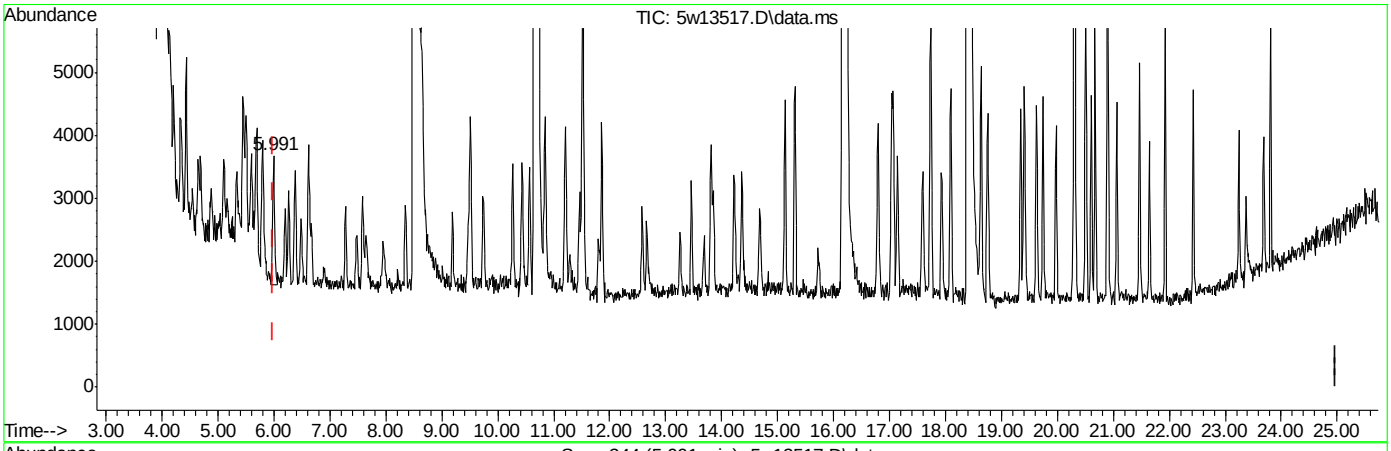
response 2043

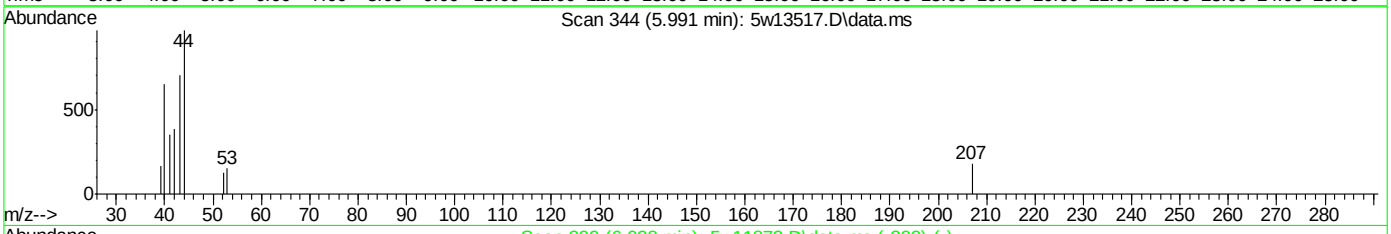
Ion	Exp%	Act%
146.00	100	100
148.00	64.80	67.59
111.00	36.20	46.11
75.10	21.50	33.10#

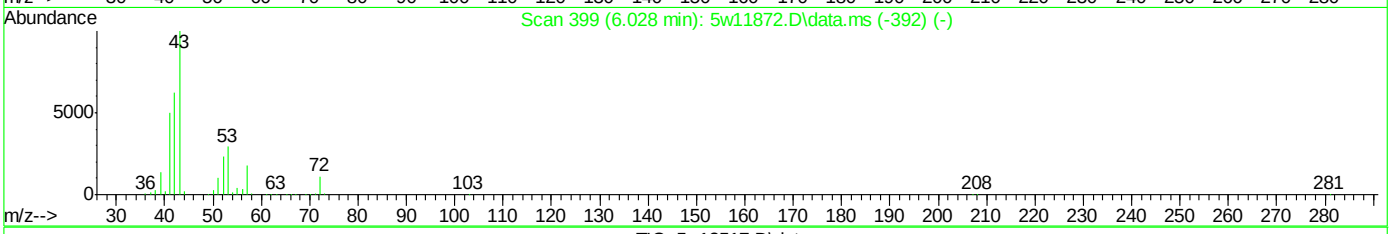
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13517.D
Acq On : 26 Aug 2015 1:54 am
Operator : YOUMINH
Sample : IC534-0.04
Misc : MS90117,v5w534,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:46:42 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration







TIC: 5w13517.D\data.ms

(107) TVHC as equiv Pentane

5.991min (+0.006) 0.05ppb(v) m

response 5234

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13518.D
Acq On : 26 Aug 2015 2:38 am
Operator : YOUMINH
Sample : IC534-30
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:26 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.530	130	163181	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.690	114	627271	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.190	82	386579	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.530	130	163181	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.429	95	449837	9.23	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 92.30%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.985	69	1191302	23.40	ppb(v#	88
3) Freon 152A	4.083	65	313672	29.92	ppb(v	87
4) Chlorodifluoromethane	4.119	67	128012	30.05	ppb(v	99
5) Propene	4.144	41	390726	29.45	ppb(v	97
6) Dichlorodifluoromethane	4.205	85	1305305	30.42	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.327	65	918926	29.50	ppb(v	95
8) Chloromethane	4.346	50	467821	29.24	ppb(v	100
9) Dichlorotetrafluoroethane	4.425	85	1359984	30.39	ppb(v	88
10) Vinyl Chloride	4.529	62	523720	29.28	ppb(v#	98
11) 1,3-Butadiene	4.645	54	383769	28.97	ppb(v	92
12) n-Butane	4.682	58	82341	29.04	ppb(v	75
13) Bromomethane	4.878	94	485436	30.48	ppb(v	98
14) Chloroethane	5.019	64	248980	29.40	ppb(v	96
15) Dichlorofluoromethane	5.098	67	1168768	29.52	ppb(v	98
16) Acetonitrile	5.325	41	432263	28.89	ppb(v	99
17) Freon 123	5.447	83	1252682	29.51	ppb(v	99
18) Freon 123A	5.496	117	659735	29.53	ppb(v	80
19) Bromoethene	5.325	106	476220	30.04	ppb(v#	97
20) Trichlorofluoromethane	5.685	101	1212339	29.75	ppb(v	99
21) Acetone	5.545	58	240170	28.69	ppb(v	66
22) Pentane	5.991	57	133490	28.49	ppb(v	78
23) 1,1-Dichloro-1-fluoroe...	5.789	81	1131717	29.44	ppb(v	96
24) Iodomethane	6.199	142	1274132	29.79	ppb(v	83
25) Isopropyl Alcohol	5.765	43	177730	29.69	ppb(v	64
26) 1,1-Dichloroethene	6.267	61	884088	29.24	ppb(v	86
27) Freon 113	6.615	101	1084439	30.37	ppb(v	92
28) Methylene Chloride	6.383	84	465968	29.90	ppb(v	85
29) Carbon Disulfide	6.664	76	1531485	29.58	ppb(v	100
30) Ethanol	5.135	45	220241	29.24	ppb(v	99
31) Acrylonitrile	5.961	53	406247	28.84	ppb(v	98
32) 3-Chloropropene	6.487	76	242166	29.47	ppb(v#	68
33) trans-1,2-Dichloroethene	7.276	61	789156	29.54	ppb(v	87
34) tert-Butyl Alcohol	6.309	59	1238474	28.59	ppb(v	96
35) Methyl tert-Butyl Ether	7.533	73	1439280	28.50	ppb(v	94
36) Vinyl Acetate	7.637	43	1476069	28.81	ppb(v	94
37) 1,1-Dichloroethane	7.484	63	998717	28.57	ppb(v	99
38) 2-Butanone	7.894	72	260041	28.78	ppb(v	59
39) Hexane	8.549	57	841292	28.77	ppb(v#	37
40) cis-1,2-Dichloroethene	8.353	61	765343	28.94	ppb(v	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13518.D
Acq On : 26 Aug 2015 2:38 am
Operator : YOUMINH
Sample : IC534-30
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:26 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Di-isopropyl Ether	8.549	87	431611	28.94	ppb(v#	54
42) Ethyl Acetate	8.591	61	190927	29.02	ppb(v	55
43) Methyl Acrylate	8.585	55	1086599	29.21	ppb(v#	75
44) Chloroform	8.671	83	1147100	28.98	ppb(v#	94
45) 2,4-Dimethylpentane	9.509	57	998041	28.54	ppb(v	97
46) Tetrahydrofuran	9.105	72	257848	28.66	ppb(v#	74
47) 1,1,1-Trichloroethane	9.742	97	1115765	29.60	ppb(v	97
48) 1,2-Dichloroethane	9.466	62	737521	29.97	ppb(v#	96
49) Benzene	10.274	78	1647620	28.71	ppb(v	96
50) Carbon Tetrachloride	10.439	117	1151512	29.68	ppb(v	98
51) Cyclohexane	10.567	56	838946	28.68	ppb(v	90
52) 2,3-Dimethylpentane	10.849	71	357483	29.41	ppb(v	85
54) 2,2,4-Trimethylpentane	11.528	57	2831929	28.55	ppb(v#	96
55) Heptane	11.864	71	545272	28.80	ppb(v	92
56) Trichloroethene	11.510	95	767627	29.70	ppb(v	84
57) 1,2-Dichloropropane	11.222	63	681696	29.31	ppb(v	99
58) Dibromomethane	11.204	174	613731	30.60	ppb(v#	66
59) Ethyl Acrylate	11.253	55	1359789	29.03	ppb(v	96
60) Methyl Methacrylate	11.779	69	615048	28.93	ppb(v	80
61) 1,4-Dioxane	11.534	88	392756	29.86	ppb(v#	7
62) Bromodichloromethane	11.467	83	1312346	29.64	ppb(v	98
63) cis-1,3-Dichloropropene	12.574	75	1085425	29.04	ppb(v	95
64) 4-Methyl-2-pentanone	12.623	58	552441	28.45	ppb(v	79
65) trans-1,3-Dichloropropene	13.247	75	943996	29.06	ppb(v	94
66) Toluene	13.810	91	1985174	28.49	ppb(v	98
67) 1,1,2-Trichloroethane	13.461	97	703819	28.70	ppb(v	95
68) 2-Hexanone	14.183	58	798754	29.03	ppb(v	81
69) Ethyl Methacrylate	14.207	69	1107315	28.99	ppb(v	96
70) Dibromochloromethane	14.367	129	1283712	29.31	ppb(v	99
71) Tetrachloroethene	15.315	166	895259	30.31	ppb(v	94
72) 1,2-Dibromoethane	14.685	107	1130769	30.16	ppb(v	99
73) Octane	15.137	43	1407456	28.26	ppb(v	85
74) 1,1,1,2-Tetrachloroethane	16.232	131	857737	29.26	ppb(v	97
76) Chlorobenzene	16.257	112	1549044	27.10	ppb(v	89
77) Ethylbenzene	16.795	91	2605140	26.92	ppb(v	96
78) m,p-Xylene	17.064	91	4061721	55.15	ppb(v	95
79) Styrene	17.584	104	1522167	27.27	ppb(v	93
80) Nonane	18.104	43	1400504	26.40	ppb(v#	90
81) o-Xylene	17.737	91	2057444	27.11	ppb(v	94
82) Bromoform	17.150	173	1266234	28.43	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.737	83	1718664	27.33	ppb(v	99
84) 1,2,3-Trichloropropane	17.927	75	1243692	27.03	ppb(v	93
85) Isopropylbenzene	18.643	105	2799098	27.10	ppb(v	95
86) Bromobenzene	18.759	156	871172	27.81	ppb(v#	78
87) 2-Chlorotoluene	19.340	126	684626	27.81	ppb(v#	72
88) n-Propylbenzene	19.407	120	743492	27.64	ppb(v	78
90) 4-Ethyltoluene	19.628	105	2631912	27.43	ppb(v	96
91) 1,3,5-Trimethylbenzene	19.744	105	2273906	27.70	ppb(v	94
92) alpha-Methylstyrene	19.970	118	1180277	28.30	ppb(v	96
93) tert-Butylbenzene	20.307	134	461160	27.86	ppb(v	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13518.D
Acq On : 26 Aug 2015 2:38 am
Operator : YOUMINH
Sample : IC534-30
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:26 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,2,4-Trimethylbenzene	20.319	105	2318856	27.53	ppb(v	93
95) 1,3-Dichlorobenzene	20.509	146	1464472	28.83	ppb(v#	92
96) Benzyl Chloride	20.496	91	2228513	28.38	ppb(v	93
97) 1,4-Dichlorobenzene	20.607	146	1478143	29.18	ppb(v#	93
98) sec-Butylbenzene	20.680	134	597948	28.35	ppb(v#	81
99) p-Isopropyltoluene	20.906	134	659013	27.58	ppb(v#	85
100) 1,2-Dichlorobenzene	21.065	146	1388132	27.93	ppb(v#	94
101) n-Butylbenzene	21.469	134	615883	28.40	ppb(v	78
102) Hexachloroethane	21.934	201	828807	27.85	ppb(v	80
103) 1,2,4-Trichlorobenzene	23.237	180	823638	29.86	ppb(v	97
104) Naphthalene	23.366	128	1837131	29.71	ppb(v	99
105) Hexachlorobutadiene	23.812	225	830518	29.76	ppb(v	99
107) TVHC as equiv Pentane	5.991	TIC	3338285	28.73	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.22

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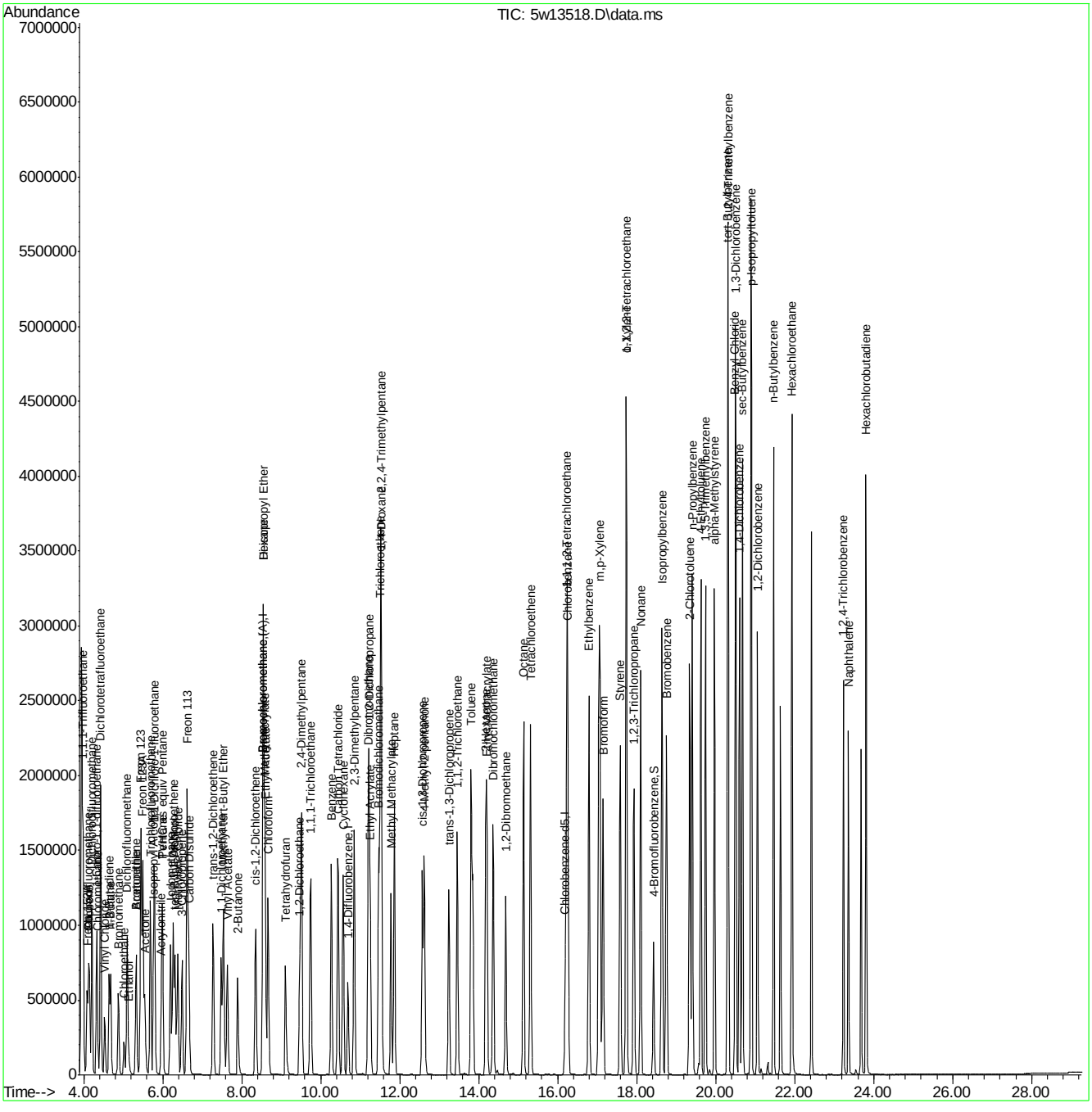
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13518.D
Acq On : 26 Aug 2015 2:38 am
Operator : YOUMINH
Sample : IC534-30
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:26 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13520.D
Acq On : 26 Aug 2015 4:09 am
Operator : YOUMINH
Sample : IC534-40
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:30 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.530	130	167104	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.690	114	634113	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.196	82	393535	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.530	130	167104	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.429	95	441796	8.91	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 89.10%			
Target Compounds						Qvalue
2) 1,1,1-Trifluoroethane	3.985	69	1502684	28.82	ppb(v#	86
3) Freon 152A	4.083	65	416957	38.84	ppb(v	87
4) Chlorodifluoromethane	4.125	67	173802	39.84	ppb(v	98
5) Propene	4.144	41	512523	37.72	ppb(v	96
6) Dichlorodifluoromethane	4.211	85	1748783	39.79	ppb(v	100
7) 1-Chloro-1,1-difluoroe...	4.327	65	1245592	39.05	ppb(v	95
8) Chloromethane	4.346	50	615635	37.58	ppb(v	99
9) Dichlorotetrafluoroethane	4.425	85	1829316	39.92	ppb(v	88
10) Vinyl Chloride	4.529	62	702719	38.36	ppb(v#	98
11) 1,3-Butadiene	4.645	54	521708	38.45	ppb(v	93
12) n-Butane	4.688	58	111453	38.38	ppb(v	78
13) Bromomethane	4.878	94	650133	39.86	ppb(v	98
14) Chloroethane	5.025	64	334942	38.63	ppb(v	97
15) Dichlorofluoromethane	5.098	67	1557529	38.42	ppb(v	98
16) Acetonitrile	5.331	41	575640	37.57	ppb(v	99
17) Freon 123	5.447	83	1689742	38.87	ppb(v	98
18) Freon 123A	5.502	117	894624	39.10	ppb(v	84
19) Bromoethene	5.325	106	641501	39.52	ppb(v#	98
20) Trichlorofluoromethane	5.685	101	1645316	39.42	ppb(v	100
21) Acetone	5.545	58	314723	36.71	ppb(v	71
22) Pentane	5.991	57	180778	37.67	ppb(v	82
23) 1,1-Dichloro-1-fluoroe...	5.789	81	1533645	38.95	ppb(v	96
24) Iodomethane	6.199	142	1751308	39.98	ppb(v	82
25) Isopropyl Alcohol	5.771	43	233100	38.03	ppb(v	53
26) 1,1-Dichloroethene	6.267	61	1185081	38.27	ppb(v	87
27) Freon 113	6.615	101	1460271	39.93	ppb(v	92
28) Methylene Chloride	6.383	84	628105	39.36	ppb(v	87
29) Carbon Disulfide	6.664	76	2048655	38.63	ppb(v	100
30) Ethanol	5.141	45	286188	37.10	ppb(v	99
31) Acrylonitrile	5.967	53	549424	38.09	ppb(v	99
32) 3-Chloropropene	6.487	76	330370	39.26	ppb(v#	72
33) trans-1,2-Dichloroethene	7.276	61	1056569	38.62	ppb(v	87
34) tert-Butyl Alcohol	6.316	59	1653117	37.26	ppb(v	96
35) Methyl tert-Butyl Ether	7.533	73	1957479	37.85	ppb(v	94
36) Vinyl Acetate	7.637	43	1996123	38.04	ppb(v	94
37) 1,1-Dichloroethane	7.484	63	1347167	37.63	ppb(v	99
38) 2-Butanone	7.894	72	351339	37.97	ppb(v	63
39) Hexane	8.549	57	1133743	37.87	ppb(v#	41
40) cis-1,2-Dichloroethene	8.353	61	1032742	38.14	ppb(v	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13520.D
Acq On : 26 Aug 2015 4:09 am
Operator : YOUMINH
Sample : IC534-40
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:30 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Di-isopropyl Ether	8.555	87	589832	38.62	ppb(v	61
42) Ethyl Acetate	8.598	61	255124	37.87	ppb(v	64
43) Methyl Acrylate	8.585	55	1461567	38.37	ppb(v#	75
44) Chloroform	8.671	83	1541683	38.04	ppb(v#	94
45) 2,4-Dimethylpentane	9.515	57	1344517	37.55	ppb(v	97
46) Tetrahydrofuran	9.105	72	347024	37.66	ppb(v	77
47) 1,1,1-Trichloroethane	9.748	97	1507723	39.06	ppb(v	98
48) 1,2-Dichloroethane	9.472	62	987871	39.20	ppb(v#	97
49) Benzene	10.274	78	2223214	37.83	ppb(v	96
50) Carbon Tetrachloride	10.439	117	1571757	39.56	ppb(v	98
51) Cyclohexane	10.567	56	1131675	37.78	ppb(v	90
52) 2,3-Dimethylpentane	10.849	71	485426	39.00	ppb(v	86
54) 2,2,4-Trimethylpentane	11.534	57	3740403	37.31	ppb(v#	96
55) Heptane	11.864	71	732767	38.29	ppb(v	91
56) Trichloroethene	11.516	95	1036079	39.65	ppb(v	85
57) 1,2-Dichloropropane	11.228	63	909739	38.69	ppb(v	98
58) Dibromomethane	11.210	174	834488	41.16	ppb(v#	70
59) Ethyl Acrylate	11.253	55	1826915	38.58	ppb(v	96
60) Methyl Methacrylate	11.779	69	830977	38.67	ppb(v	80
61) 1,4-Dioxane	11.534	88	514711	38.71	ppb(v#	7
62) Bromodichloromethane	11.473	83	1767441	39.48	ppb(v	98
63) cis-1,3-Dichloropropene	12.580	75	1460249	38.65	ppb(v	96
64) 4-Methyl-2-pentanone	12.629	58	751115	38.27	ppb(v	82
65) trans-1,3-Dichloropropene	13.247	75	1263402	38.47	ppb(v	93
66) Toluene	13.816	91	2629013	37.33	ppb(v	98
67) 1,1,2-Trichloroethane	13.461	97	946181	38.17	ppb(v	95
68) 2-Hexanone	14.183	58	1076964	38.72	ppb(v	82
69) Ethyl Methacrylate	14.214	69	1483998	38.43	ppb(v	96
70) Dibromochloromethane	14.373	129	1717829	38.80	ppb(v	99
71) Tetrachloroethene	15.315	166	1200541	40.20	ppb(v	93
72) 1,2-Dibromoethane	14.691	107	1498375	39.53	ppb(v	98
73) Octane	15.137	43	1861436	36.97	ppb(v	85
74) 1,1,1,2-Tetrachloroethane	16.239	131	1128324	38.07	ppb(v	96
76) Chlorobenzene	16.257	112	2037524	35.01	ppb(v	88
77) Ethylbenzene	16.795	91	3424951	34.77	ppb(v	96
78) m,p-Xylene	17.071	91	5287605	70.53	ppb(v	95
79) Styrene	17.591	104	2006526	35.31	ppb(v	92
80) Nonane	18.104	43	1890748	35.02	ppb(v#	90
81) o-Xylene	17.743	91	2674106	34.62	ppb(v	95
82) Bromoform	17.150	173	1664753	36.72	ppb(v	98
83) 1,1,2,2-Tetrachloroethane	17.743	83	2242445	35.03	ppb(v	99
84) 1,2,3-Trichloropropane	17.933	75	1654006	35.31	ppb(v	94
85) Isopropylbenzene	18.643	105	3684571	35.05	ppb(v	95
86) Bromobenzene	18.759	156	1167170	36.60	ppb(v#	76
87) 2-Chlorotoluene	19.346	126	910075	36.32	ppb(v#	75
88) n-Propylbenzene	19.414	120	1001331	36.57	ppb(v	85
90) 4-Ethyltoluene	19.628	105	3536277	36.20	ppb(v	96
91) 1,3,5-Trimethylbenzene	19.750	105	3056096	36.57	ppb(v	95
92) alpha-Methylstyrene	19.976	118	1573724	37.06	ppb(v	95
93) tert-Butylbenzene	20.307	134	614822	36.49	ppb(v	82

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ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13520.D
Acq On : 26 Aug 2015 4:09 am
Operator : YOUMINH
Sample : IC534-40
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:30 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration

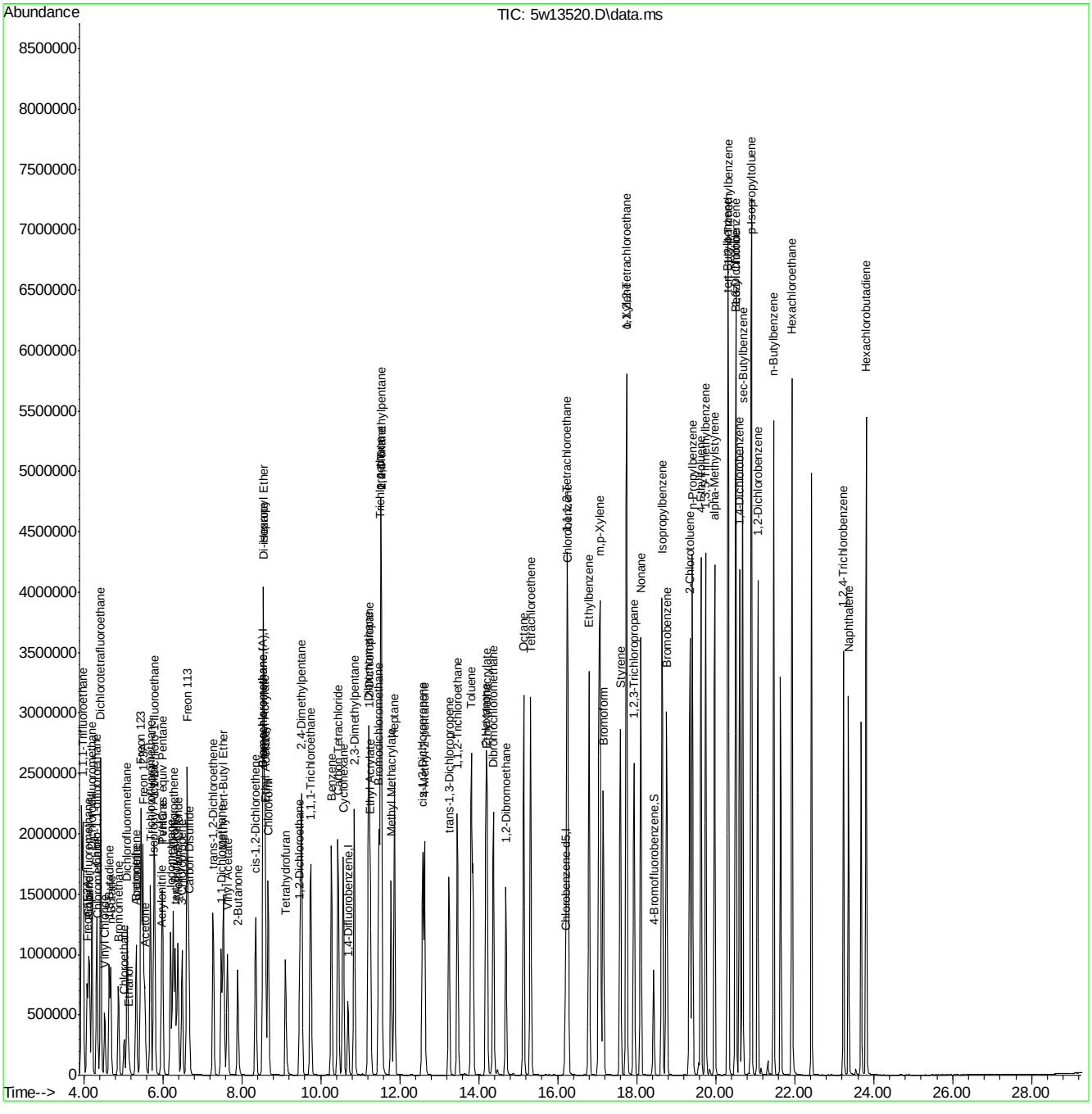
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,2,4-Trimethylbenzene	20.325	105	3006159	35.06	ppb(v	86
95)	1,3-Dichlorobenzene	20.515	146	1954157	37.78	ppb(v#	93
96)	Benzyl Chloride	20.503	91	2912739	36.44	ppb(v	94
97)	1,4-Dichlorobenzene	20.607	146	1991531	38.61	ppb(v#	92
98)	sec-Butylbenzene	20.686	134	806452	37.56	ppb(v	90
99)	p-Isopropyltoluene	20.912	134	874706	35.96	ppb(v	94
100)	1,2-Dichlorobenzene	21.065	146	1873095	37.02	ppb(v#	93
101)	n-Butylbenzene	21.469	134	836195	37.87	ppb(v	81
102)	Hexachloroethane	21.934	201	1127606	37.22	ppb(v	83
103)	1,2,4-Trichlorobenzene	23.237	180	1104518	39.33	ppb(v	97
104)	Naphthalene	23.366	128	2458631	39.05	ppb(v	99
105)	Hexachlorobutadiene	23.812	225	1118044	39.36	ppb(v	99
107)	TVHC as equiv Pentane	5.991	TIC	4470361	37.57	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13520.D
Acq On : 26 Aug 2015 4:09 am
Operator : YOUMINH
Sample : IC534-40
Misc : MS90117,v5w534,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 08:26:30 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:25:35 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13522.D
Acq On : 26 Aug 2015 5:36 am
Operator : YOUMINH
Sample : ICV534-10
Misc : MS90117,v5w534,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 26 08:51:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.530	130	161824	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	10.683	114	628295	10.00	ppb(v	# 0.00
75) Chlorobenzene-d5	16.189	82	355973	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.530	130	161824	10.00	ppb(v	# 0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.422	95	446923	10.57	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery	=	105.70%	
Target Compounds						Qvalue
3) Freon 152A	4.089	65	110562	10.49	ppb(v	90
4) Chlorodifluoromethane	4.125	67	43922	10.37	ppb(v	98
5) Propene	4.150	41	134046	9.97	ppb(v	97
6) Dichlorodifluoromethane	4.211	85	448927	10.36	ppb(v	100
7) 1-Chloro-1,1-difluoroe...	4.333	65	312559	10.08	ppb(v	96
8) Chloromethane	4.352	50	166345	10.20	ppb(v	99
9) Dichlorotetrafluoroethane	4.431	85	479264	10.59	ppb(v	89
10) Vinyl Chloride	4.535	62	186550	10.80	ppb(v#	98
11) 1,3-Butadiene	4.645	54	135379	10.53	ppb(v	92
12) n-Butane	4.688	58	29156	10.86	ppb(v	76
13) Bromomethane	4.878	94	171770	10.35	ppb(v	99
14) Chloroethane	5.025	64	89398	10.88	ppb(v	97
15) Dichlorofluoromethane	5.098	67	413970	10.36	ppb(v	98
16) Acetonitrile	5.330	41	152444	10.51	ppb(v	99
17) Freon 123	5.447	83	440248	10.41	ppb(v	99
18) Freon 123A	5.496	117	230437	10.63	ppb(v	80
19) Bromoethene	5.324	106	169979	10.91	ppb(v#	98
20) Trichlorofluoromethane	5.685	101	422287	10.27	ppb(v	98
21) Acetone	5.551	58	84724	10.36	ppb(v	82
22) Pentane	5.997	57	45913	10.35	ppb(v	83
24) Iodomethane	6.193	142	453651	10.62	ppb(v	90
25) Isopropyl Alcohol	5.759	43	56789	9.47	ppb(v	62
26) 1,1-Dichloroethene	6.266	61	304592	10.45	ppb(v	86
27) Freon 113	6.615	101	383395	10.75	ppb(v	91
28) Methylene Chloride	6.383	84	165337	10.74	ppb(v	86
29) Carbon Disulfide	6.664	76	540430	10.77	ppb(v	99
30) Ethanol	5.135	45	77744	10.18	ppb(v	99
31) Acrylonitrile	5.961	53	139694	11.03	ppb(v	98
32) 3-Chloropropene	6.487	76	84948	11.00	ppb(v	81
33) trans-1,2-Dichloroethene	7.276	61	274370	10.74	ppb(v	87
34) tert-Butyl Alcohol	6.303	59	433693	10.92	ppb(v	99
35) Methyl tert-Butyl Ether	7.539	73	511417	10.56	ppb(v	95
36) Vinyl Acetate	7.631	43	437493	8.81	ppb(v	95
37) 1,1-Dichloroethane	7.478	63	353321	10.42	ppb(v	99
38) 2-Butanone	7.894	72	90936	10.87	ppb(v	64
39) Hexane	8.542	57	294481	10.44	ppb(v#	41
40) cis-1,2-Dichloroethene	8.346	61	267782	10.67	ppb(v	85
41) Di-isopropyl Ether	8.548	87	150145	10.86	ppb(v#	55
42) Ethyl Acetate	8.591	61	66784	10.96	ppb(v	63

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13522.D
Acq On : 26 Aug 2015 5:36 am
Operator : YOUMINH
Sample : ICV534-10
Misc : MS90117,v5w534,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 26 08:51:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Methyl Acrylate	8.579	55	373402	11.03	ppb(v#	75
44) Chloroform	8.665	83	400447	10.40	ppb(v	94
45) 2,4-Dimethylpentane	9.515	57	335889	10.03	ppb(v	95
46) Tetrahydrofuran	9.111	72	91532	11.15	ppb(v	77
47) 1,1,1-Trichloroethane	9.741	97	372429	10.17	ppb(v	96
48) 1,2-Dichloroethane	9.466	62	220216	9.28	ppb(v	96
49) Benzene	10.267	78	574934	10.27	ppb(v	96
50) Carbon Tetrachloride	10.439	117	403061	10.75	ppb(v	99
51) Cyclohexane	10.567	56	293949	10.31	ppb(v	91
52) 2,3-Dimethylpentane	10.849	71	124912	10.68	ppb(v	85
54) 2,2,4-Trimethylpentane	11.528	57	993774	10.65	ppb(v#	96
55) Heptane	11.858	71	192434	10.83	ppb(v	92
56) Trichloroethene	11.509	95	267647	10.45	ppb(v	89
57) 1,2-Dichloropropane	11.216	63	241340	10.78	ppb(v	99
58) Dibromomethane	11.197	174	216388	10.81	ppb(v#	67
59) Ethyl Acrylate	11.246	55	474759	11.11	ppb(v	96
60) Methyl Methacrylate	11.772	69	216865	11.19	ppb(v	81
61) 1,4-Dioxane	11.534	88	141564	11.31	ppb(v#	17
62) Bromodichloromethane	11.460	83	456598	10.74	ppb(v	96
63) cis-1,3-Dichloropropene	12.574	75	358938	10.41	ppb(v	96
64) 4-Methyl-2-pentanone	12.617	58	194962	11.50	ppb(v	80
65) trans-1,3-Dichloropropene	13.241	75	326668	11.28	ppb(v	94
66) Toluene	13.803	91	698052	10.67	ppb(v	97
67) 1,1,2-Trichloroethane	13.455	97	247529	10.92	ppb(v	96
68) 2-Hexanone	14.171	58	279809	11.19	ppb(v	79
69) Ethyl Methacrylate	14.201	69	387785	11.43	ppb(v	95
70) Dibromochloromethane	14.360	129	454227	11.07	ppb(v	99
71) Tetrachloroethene	15.308	166	319270	10.85	ppb(v	95
72) 1,2-Dibromoethane	14.678	107	394249	10.80	ppb(v	99
73) Octane	15.131	43	481825	10.25	ppb(v	85
74) 1,1,1,2-Tetrachloroethane	16.226	131	300637	10.82	ppb(v	99
76) Chlorobenzene	16.251	112	540433	10.43	ppb(v	92
77) Ethylbenzene	16.789	91	918441	10.73	ppb(v	96
78) m,p-Xylene	17.058	91	1414011	21.44	ppb(v	95
79) Styrene	17.578	104	534240	11.23	ppb(v	94
80) Nonane	18.098	43	491296	10.62	ppb(v#	90
81) o-Xylene	17.731	91	733723	11.00	ppb(v	95
82) Bromoform	17.138	173	440953	11.36	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.731	83	601751	10.90	ppb(v	99
84) 1,2,3-Trichloropropane	17.921	75	438915	10.76	ppb(v	93
85) Isopropylbenzene	18.636	105	981591	10.94	ppb(v	95
86) Bromobenzene	18.753	156	303999	10.87	ppb(v#	78
87) 2-Chlorotoluene	19.340	126	243531	11.27	ppb(v#	76
88) n-Propylbenzene	19.401	120	261205	11.41	ppb(v	77
90) 4-Ethyltoluene	19.621	105	930628	10.94	ppb(v	96
91) 1,3,5-Trimethylbenzene	19.738	105	802709	11.00	ppb(v	95
92) alpha-Methylstyrene	19.964	118	401711	11.34	ppb(v	96
93) tert-Butylbenzene	20.300	134	157974	11.01	ppb(v	74
94) 1,2,4-Trimethylbenzene	20.313	105	810004	10.96	ppb(v	92
95) 1,3-Dichlorobenzene	20.502	146	503591	10.80	ppb(v#	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13522.D
Acq On : 26 Aug 2015 5:36 am
Operator : YOUMINH
Sample : ICV534-10
Misc : MS90117,v5w534,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 26 08:51:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

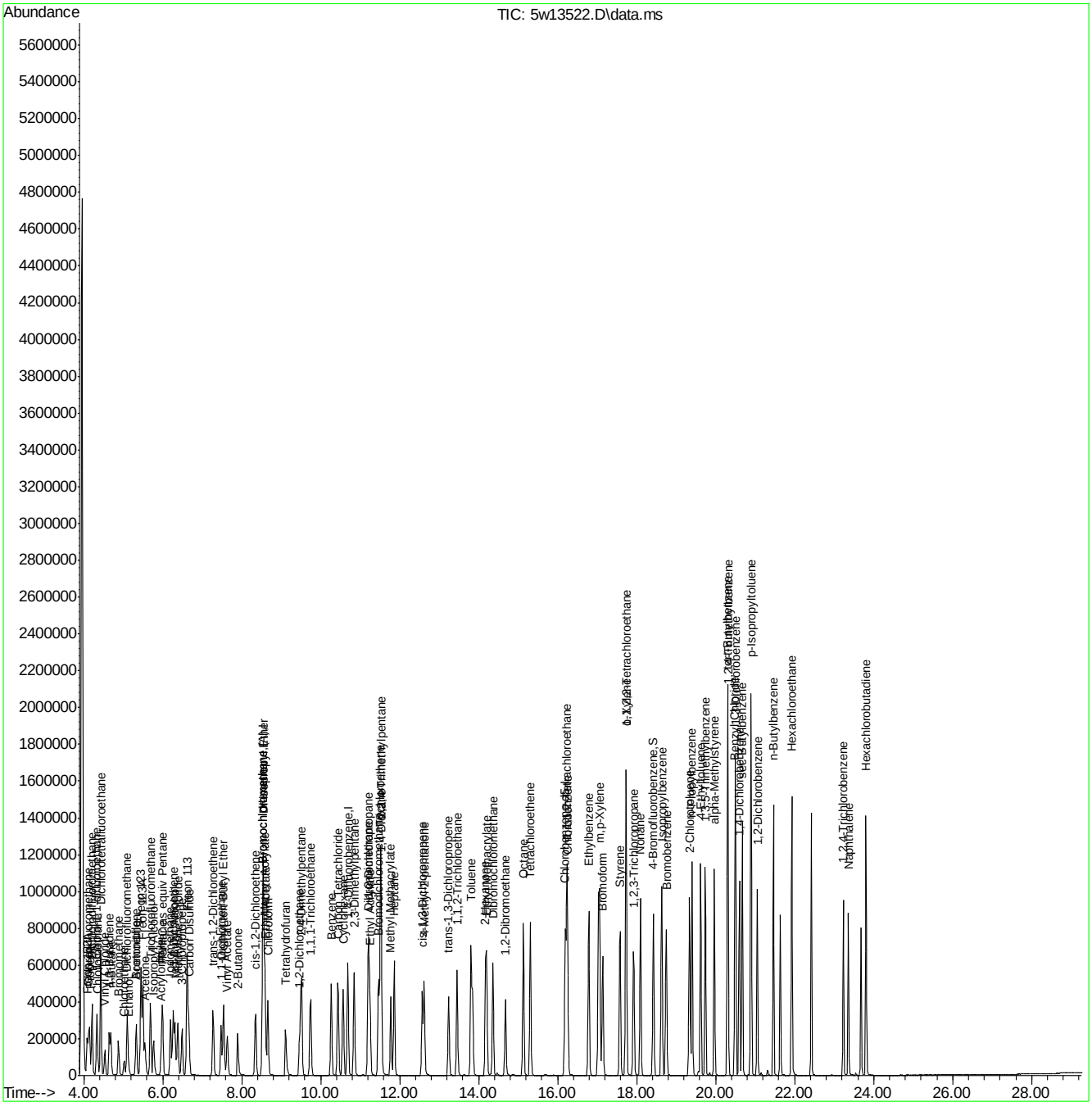
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	Benzyl Chloride	20.490	91	763436	11.48	ppb(v	93
97)	1,4-Dichlorobenzene	20.600	146	498864	10.61	ppb(v#	94
98)	sec-Butylbenzene	20.674	134	198374	10.74	ppb(v	73
99)	p-Isopropyltoluene	20.900	134	227709	11.22	ppb(v#	79
100)	1,2-Dichlorobenzene	21.059	146	485728	11.09	ppb(v#	95
101)	n-Butylbenzene	21.463	134	204685	11.28	ppb(v	58
102)	Hexachloroethane	21.928	201	276532	11.12	ppb(v	71
103)	1,2,4-Trichlorobenzene	23.237	180	304325	12.27	ppb(v	98
104)	Naphthalene	23.359	128	698962	12.73	ppb(v	99
105)	Hexachlorobutadiene	23.806	225	277713	10.69	ppb(v	98
107)	TVHC as equiv Pentane	5.991	TIC	1133168	10.06	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w13522.D
Acq On : 26 Aug 2015 5:36 am
Operator : YOUMINH
Sample : ICV534-10
Misc : MS90117,v5w534,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 26 08:51:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14133.D
Acq On : 2 Oct 2015 10:31 am
Operator : YOUMINH
Sample : CC534-10
Misc : MS91996,v5w564,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 11:11:05 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.500	130	172699	10.00	ppb(v	#-0.02
53) 1,4-Difluorobenzene	10.653	114	648662	10.00	ppb(v	#-0.03
75) Chlorobenzene-d5	16.153	82	380587	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.500	130	172699	10.00	ppb(v	#-0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.386	95	458254	10.14	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.40%			
Target Compounds						Qvalue
3) Freon 152A	4.083	65	133835	11.90	ppb(v	90
4) Chlorodifluoromethane	4.119	67	51086	11.30	ppb(v	100
5) Propene	4.144	41	173205	12.08	ppb(v	99
6) Dichlorodifluoromethane	4.205	85	522129	11.29	ppb(v	99
8) Chloromethane	4.340	50	213878	12.29	ppb(v	99
9) Dichlorotetrafluoroethane	4.419	85	558071	11.55	ppb(v	83
10) Vinyl Chloride	4.523	62	234030	12.70	ppb(v	98
11) 1,3-Butadiene	4.633	54	171172	12.48	ppb(v	92
12) n-Butane	4.676	58	36861	12.86	ppb(v	66
13) Bromomethane	4.866	94	196033	11.07	ppb(v	99
14) Chloroethane	5.013	64	110121	12.55	ppb(v	96
15) Dichlorofluoromethane	5.086	67	506156	11.87	ppb(v	98
16) Acetonitrile	5.312	41	189304	12.23	ppb(v	99
17) Freon 123	5.435	83	516514	11.44	ppb(v	98
18) Freon 123A	5.484	117	251843	10.88	ppb(v#	66
19) Bromoethene	5.312	106	182864	11.00	ppb(v#	97
20) Trichlorofluoromethane	5.673	101	477499	10.88	ppb(v	100
21) Acetone	5.533	58	104015	11.91	ppb(v	73
22) Pentane	5.973	57	54371	11.49	ppb(v	84
24) Iodomethane	6.181	142	470079	10.31	ppb(v	83
25) Isopropyl Alcohol	5.747	43	71880	11.23	ppb(v	73
26) 1,1-Dichloroethene	6.248	61	352258	11.33	ppb(v	84
27) Freon 113	6.597	101	412506	10.84	ppb(v	90
28) Methylene Chloride	6.358	84	184136	11.21	ppb(v#	81
29) Carbon Disulfide	6.640	76	619719	11.57	ppb(v	99
30) Ethanol	5.123	45	98420	12.08	ppb(v	98
31) Acrylonitrile	5.949	53	164345	12.15	ppb(v	100
32) 3-Chloropropene	6.469	76	95203	11.55	ppb(v	70
33) trans-1,2-Dichloroethene	7.252	61	304722	11.17	ppb(v	86
34) tert-Butyl Alcohol	6.285	59	478360	11.28	ppb(v	95
35) Methyl tert-Butyl Ether	7.509	73	548529	10.61	ppb(v	93
36) Vinyl Acetate	7.606	43	571499	10.79	ppb(v	93
37) 1,1-Dichloroethane	7.453	63	400161	11.05	ppb(v	99
38) 2-Butanone	7.863	72	100083	11.21	ppb(v#	55
39) Hexane	8.518	57	337017	11.19	ppb(v#	35
40) cis-1,2-Dichloroethene	8.322	61	296819	11.09	ppb(v	83
41) Di-isopropyl Ether	8.518	87	163715	11.10	ppb(v#	40
42) Ethyl Acetate	8.561	61	74485	11.45	ppb(v	59
43) Methyl Acrylate	8.549	55	418385	11.58	ppb(v#	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14133.D
Acq On : 2 Oct 2015 10:31 am
Operator : YOUMINH
Sample : CC534-10
Misc : MS91996,v5w564,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 11:11:05 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Chloroform	8.634	83	439243	10.69	ppb(v	94
45) 2,4-Dimethylpentane	9.478	57	396190	11.09	ppb(v	95
46) Tetrahydrofuran	9.075	72	99345	11.34	ppb(v	74
47) 1,1,1-Trichloroethane	9.711	97	409068	10.47	ppb(v	98
48) 1,2-Dichloroethane	9.436	62	268577	10.60	ppb(v	97
49) Benzene	10.237	78	628329	10.52	ppb(v	96
50) Carbon Tetrachloride	10.402	117	415851	10.39	ppb(v	98
51) Cyclohexane	10.531	56	327855	10.78	ppb(v	88
52) 2,3-Dimethylpentane	10.812	71	137622	11.02	ppb(v	80
54) 2,2,4-Trimethylpentane	11.491	57	1124178	11.67	ppb(v#	97
55) Heptane	11.828	71	210342	11.46	ppb(v#	90
56) Trichloroethene	11.473	95	282540	10.69	ppb(v	85
57) 1,2-Dichloropropane	11.185	63	264195	11.43	ppb(v	98
58) Dibromomethane	11.167	174	209883	10.15	ppb(v#	62
59) Ethyl Acrylate	11.210	55	504166	11.43	ppb(v	96
60) Methyl Methacrylate	11.736	69	229088	11.45	ppb(v	78
61) 1,4-Dioxane	11.491	88	147860	11.44	ppb(v#	1
62) Bromodichloromethane	11.430	83	480408	10.94	ppb(v	98
63) cis-1,3-Dichloropropene	12.537	75	400656	11.26	ppb(v	94
64) 4-Methyl-2-pentanone	12.580	58	212602	12.14	ppb(v	80
65) trans-1,3-Dichloropropene	13.204	75	333597	11.16	ppb(v	92
66) Toluene	13.773	91	724816	10.74	ppb(v	98
67) 1,1,2-Trichloroethane	13.418	97	258860	11.06	ppb(v	94
68) 2-Hexanone	14.134	58	295150	11.44	ppb(v#	80
69) Ethyl Methacrylate	14.165	69	400349	11.42	ppb(v	93
70) Dibromochloromethane	14.324	129	461855	10.90	ppb(v	100
71) Tetrachloroethene	15.272	166	307087	10.11	ppb(v	94
72) 1,2-Dibromoethane	14.642	107	398145	10.56	ppb(v	100
73) Octane	15.094	43	533832	11.00	ppb(v#	81
74) 1,1,1,2-Tetrachloroethane	16.190	131	306671	10.69	ppb(v	97
76) Chlorobenzene	16.214	112	546337	9.86	ppb(v	89
77) Ethylbenzene	16.752	91	930855	10.18	ppb(v	95
78) m,p-Xylene	17.022	91	1435383	20.36	ppb(v	94
79) Styrene	17.542	104	515486	10.13	ppb(v	93
80) Nonane	18.062	43	543862	11.00	ppb(v#	88
81) o-Xylene	17.695	91	747766	10.49	ppb(v	94
82) Bromoform	17.101	173	415707	10.02	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.695	83	642678	10.89	ppb(v#	98
84) 1,2,3-Trichloropropane	17.884	75	448511	10.29	ppb(v	91
85) Isopropylbenzene	18.600	105	995589	10.38	ppb(v	94
86) Bromobenzene	18.710	156	288923	9.66	ppb(v#	72
87) 2-Chlorotoluene	19.303	126	229483	9.93	ppb(v#	66
88) n-Propylbenzene	19.371	120	251687	10.28	ppb(v	63
90) 4-Ethyltoluene	19.591	105	927308	10.20	ppb(v	95
91) 1,3,5-Trimethylbenzene	19.707	105	780252	10.00	ppb(v	94
92) alpha-Methylstyrene	19.934	118	384637	10.15	ppb(v	95
93) tert-Butylbenzene	20.270	134	157793	10.29	ppb(v#	66
94) 1,2,4-Trimethylbenzene	20.282	105	823265	10.42	ppb(v	92
95) 1,3-Dichlorobenzene	20.472	146	483859	9.71	ppb(v#	91
96) Benzyl Chloride	20.460	91	760140	10.69	ppb(v	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14133.D
Acq On : 2 Oct 2015 10:31 am
Operator : YOUMINH
Sample : CC534-10
Misc : MS91996,v5w564,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 11:11:05 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

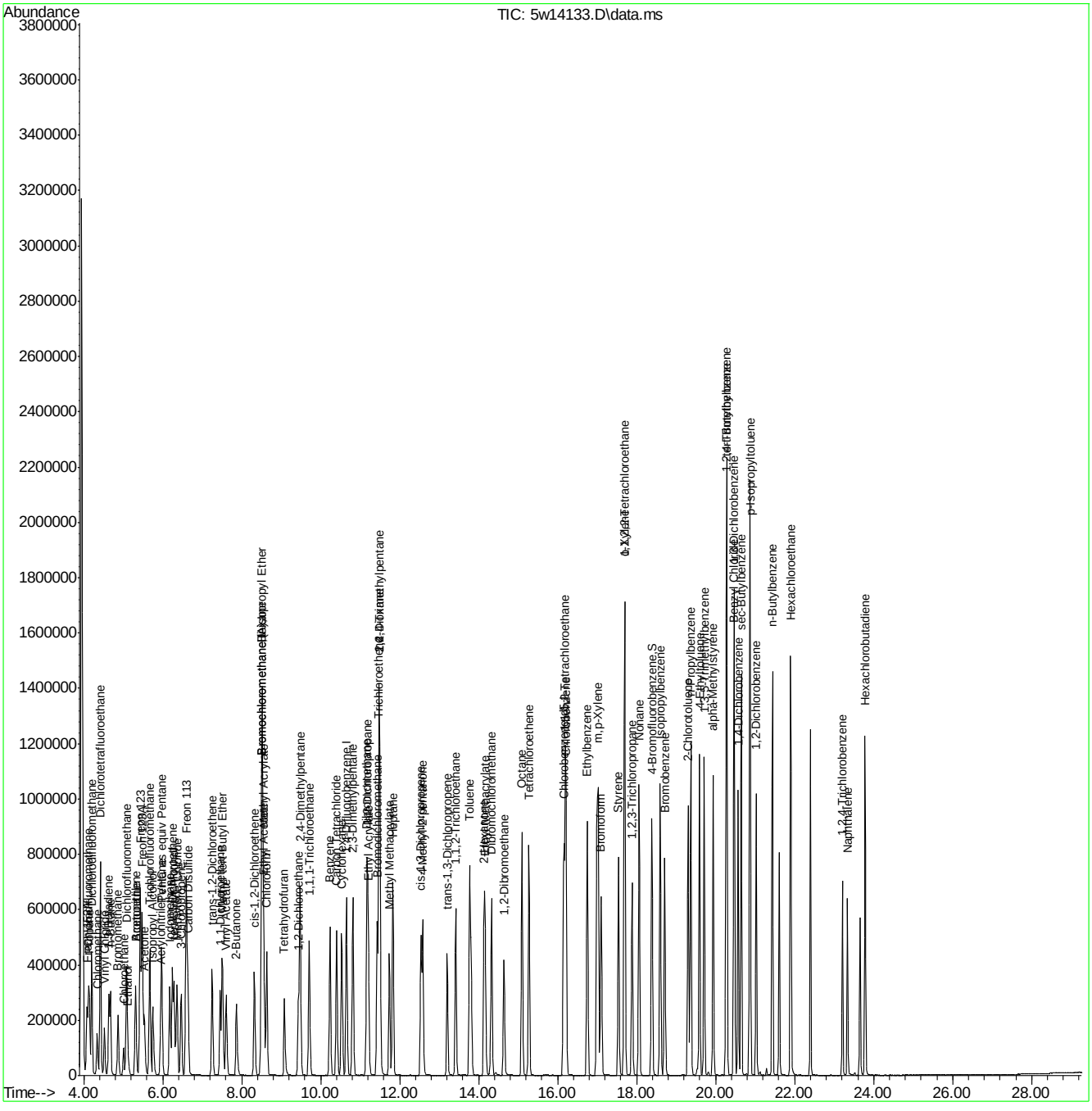
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,4-Dichlorobenzene	20.570	146	471845	9.39	ppb(v#	93
98) sec-Butylbenzene	20.649	134	197498	10.00	ppb(v#	62
99) p-Isopropyltoluene	20.876	134	226553	10.44	ppb(v	80
100) 1,2-Dichlorobenzene	21.029	146	452043	9.65	ppb(v#	93
101) n-Butylbenzene	21.439	134	193993	10.00	ppb(v	56
102) Hexachloroethane	21.903	201	267546	10.06	ppb(v#	67
103) 1,2,4-Trichlorobenzene	23.213	180	217082	8.18	ppb(v	98
104) Naphthalene	23.335	128	503082	8.57	ppb(v	100
105) Hexachlorobutadiene	23.788	225	236390	8.51	ppb(v	97
107) TVHC as equiv Pentane	5.973	TIC	1345623	11.20	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14133.D
Acq On : 2 Oct 2015 10:31 am
Operator : YOUMINH
Sample : CC534-10
Misc : MS91996,v5w564,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 05 11:11:05 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14154.D
Acq On : 5 Oct 2015 8:50 am
Operator : YOUMINH
Sample : CC534-10
Misc : MS92139,v5w565,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:49:50 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.493	130	172771	10.00	ppb(v	#-0.03
53) 1,4-Difluorobenzene	10.647	114	641614	10.00	ppb(v	#-0.04
75) Chlorobenzene-d5	16.147	82	361888	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.493	130	172771	10.00	ppb(v	#-0.03
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.380	95	449146	10.45	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.50%			
Target Compounds						Qvalue
3) Freon 152A	4.083	65	112058	9.96	ppb(v	92
4) Chlorodifluoromethane	4.119	67	42421	9.38	ppb(v	100
5) Propene	4.144	41	132898	9.26	ppb(v	97
6) Dichlorodifluoromethane	4.205	85	453492	9.81	ppb(v	100
8) Chloromethane	4.346	50	169539	9.74	ppb(v	100
9) Dichlorotetrafluoroethane	4.425	85	502472	10.40	ppb(v	88
10) Vinyl Chloride	4.529	62	195489	10.60	ppb(v	97
11) 1,3-Butadiene	4.639	54	141920	10.34	ppb(v	95
12) n-Butane	4.676	58	30840	10.76	ppb(v	83
13) Bromomethane	4.872	94	180467	10.19	ppb(v	98
14) Chloroethane	5.013	64	93256	10.63	ppb(v	98
15) Dichlorofluoromethane	5.086	67	435306	10.20	ppb(v	98
16) Acetonitrile	5.312	41	151898	9.81	ppb(v	94
17) Freon 123	5.435	83	470385	10.42	ppb(v	99
18) Freon 123A	5.484	117	240180	10.37	ppb(v	77
19) Bromoethene	5.312	106	173200	10.42	ppb(v#	98
20) Trichlorofluoromethane	5.673	101	444403	10.13	ppb(v	99
21) Acetone	5.526	58	89970	10.30	ppb(v	78
22) Pentane	5.973	57	45868	9.69	ppb(v	81
24) Iodomethane	6.181	142	450099	9.87	ppb(v	86
25) Isopropyl Alcohol	5.747	43	59591	9.30	ppb(v	77
26) 1,1-Dichloroethene	6.242	61	301531	9.69	ppb(v	86
27) Freon 113	6.597	101	378480	9.94	ppb(v	91
28) Methylene Chloride	6.358	84	165918	10.09	ppb(v	85
29) Carbon Disulfide	6.640	76	547923	10.23	ppb(v	100
30) Ethanol	5.123	45	78456	9.62	ppb(v	99
31) Acrylonitrile	5.942	53	138561	10.24	ppb(v	99
32) 3-Chloropropene	6.469	76	84160	10.20	ppb(v	82
33) trans-1,2-Dichloroethene	7.252	61	263076	9.64	ppb(v	88
34) tert-Butyl Alcohol	6.279	59	418856	9.87	ppb(v	95
35) Methyl tert-Butyl Ether	7.502	73	479665	9.27	ppb(v	94
36) Vinyl Acetate	7.606	43	475854	8.98	ppb(v	95
37) 1,1-Dichloroethane	7.453	63	346078	9.56	ppb(v	99
38) 2-Butanone	7.857	72	87546	9.80	ppb(v	65
39) Hexane	8.512	57	282578	9.38	ppb(v#	37
40) cis-1,2-Dichloroethene	8.316	61	251540	9.39	ppb(v	86
41) Di-isopropyl Ether	8.518	87	147373	9.99	ppb(v	62
42) Ethyl Acetate	8.555	61	63310	9.73	ppb(v	58
43) Methyl Acrylate	8.542	55	354970	9.82	ppb(v#	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14154.D
Acq On : 5 Oct 2015 8:50 am
Operator : YOUMINH
Sample : CC534-10
Misc : MS92139,v5w565,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:49:50 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Chloroform	8.628	83	392776	9.55	ppb(v	93
45) 2,4-Dimethylpentane	9.478	57	333804	9.34	ppb(v	96
46) Tetrahydrofuran	9.069	72	85877	9.80	ppb(v	79
47) 1,1,1-Trichloroethane	9.705	97	372814	9.54	ppb(v	98
48) 1,2-Dichloroethane	9.430	62	237127	9.36	ppb(v	97
49) Benzene	10.231	78	564411	9.44	ppb(v	98
50) Carbon Tetrachloride	10.402	117	386821	9.67	ppb(v	99
51) Cyclohexane	10.531	56	278774	9.16	ppb(v	90
52) 2,3-Dimethylpentane	10.812	71	121302	9.71	ppb(v	89
54) 2,2,4-Trimethylpentane	11.491	57	968766	10.16	ppb(v#	97
55) Heptane	11.822	71	183910	10.13	ppb(v	91
56) Trichloroethene	11.473	95	259076	9.91	ppb(v	87
57) 1,2-Dichloropropane	11.179	63	230617	10.08	ppb(v	99
58) Dibromomethane	11.161	174	207602	10.15	ppb(v#	65
59) Ethyl Acrylate	11.204	55	428477	9.82	ppb(v	96
60) Methyl Methacrylate	11.730	69	198318	10.02	ppb(v	84
61) 1,4-Dioxane	11.485	88	135005	10.56	ppb(v#	11
62) Bromodichloromethane	11.424	83	437934	10.08	ppb(v	97
63) cis-1,3-Dichloropropene	12.537	75	359132	10.20	ppb(v	95
64) 4-Methyl-2-pentanone	12.574	58	185532	10.71	ppb(v	82
65) trans-1,3-Dichloropropene	13.198	75	295338	9.99	ppb(v	94
66) Toluene	13.767	91	658899	9.87	ppb(v	98
67) 1,1,2-Trichloroethane	13.412	97	237260	10.25	ppb(v	95
68) 2-Hexanone	14.128	58	255542	10.01	ppb(v	80
69) Ethyl Methacrylate	14.158	69	354676	10.23	ppb(v	94
70) Dibromochloromethane	14.324	129	437329	10.44	ppb(v	99
71) Tetrachloroethene	15.266	166	301087	10.02	ppb(v	94
72) 1,2-Dibromoethane	14.636	107	374039	10.03	ppb(v	98
73) Octane	15.094	43	451520	9.40	ppb(v	85
74) 1,1,1,2-Tetrachloroethane	16.183	131	290995	10.25	ppb(v	96
76) Chlorobenzene	16.208	112	515657	9.79	ppb(v	91
77) Ethylbenzene	16.746	91	848563	9.75	ppb(v	96
78) m,p-Xylene	17.015	91	1304813	19.46	ppb(v	95
79) Styrene	17.535	104	481788	9.96	ppb(v	94
80) Nonane	18.055	43	465446	9.90	ppb(v#	90
81) o-Xylene	17.688	91	684820	10.10	ppb(v	95
82) Bromoform	17.095	173	407582	10.33	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.688	83	589439	10.50	ppb(v#	99
84) 1,2,3-Trichloropropane	17.878	75	406652	9.81	ppb(v	93
85) Isopropylbenzene	18.594	105	925972	10.15	ppb(v	94
86) Bromobenzene	18.710	156	283678	9.97	ppb(v#	81
87) 2-Chlorotoluene	19.297	126	222839	10.15	ppb(v#	73
88) n-Propylbenzene	19.371	120	241982	10.39	ppb(v	74
90) 4-Ethyltoluene	19.585	105	873864	10.11	ppb(v	96
91) 1,3,5-Trimethylbenzene	19.707	105	742034	10.00	ppb(v	96
92) alpha-Methylstyrene	19.934	118	363798	10.10	ppb(v	96
93) tert-Butylbenzene	20.264	134	152371	10.45	ppb(v	74
94) 1,2,4-Trimethylbenzene	20.276	105	769957	10.24	ppb(v	93
95) 1,3-Dichlorobenzene	20.472	146	476242	10.05	ppb(v#	95
96) Benzyl Chloride	20.460	91	703996	10.41	ppb(v	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14154.D
Acq On : 5 Oct 2015 8:50 am
Operator : YOUMINH
Sample : CC534-10
Misc : MS92139,v5w565,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:49:50 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration

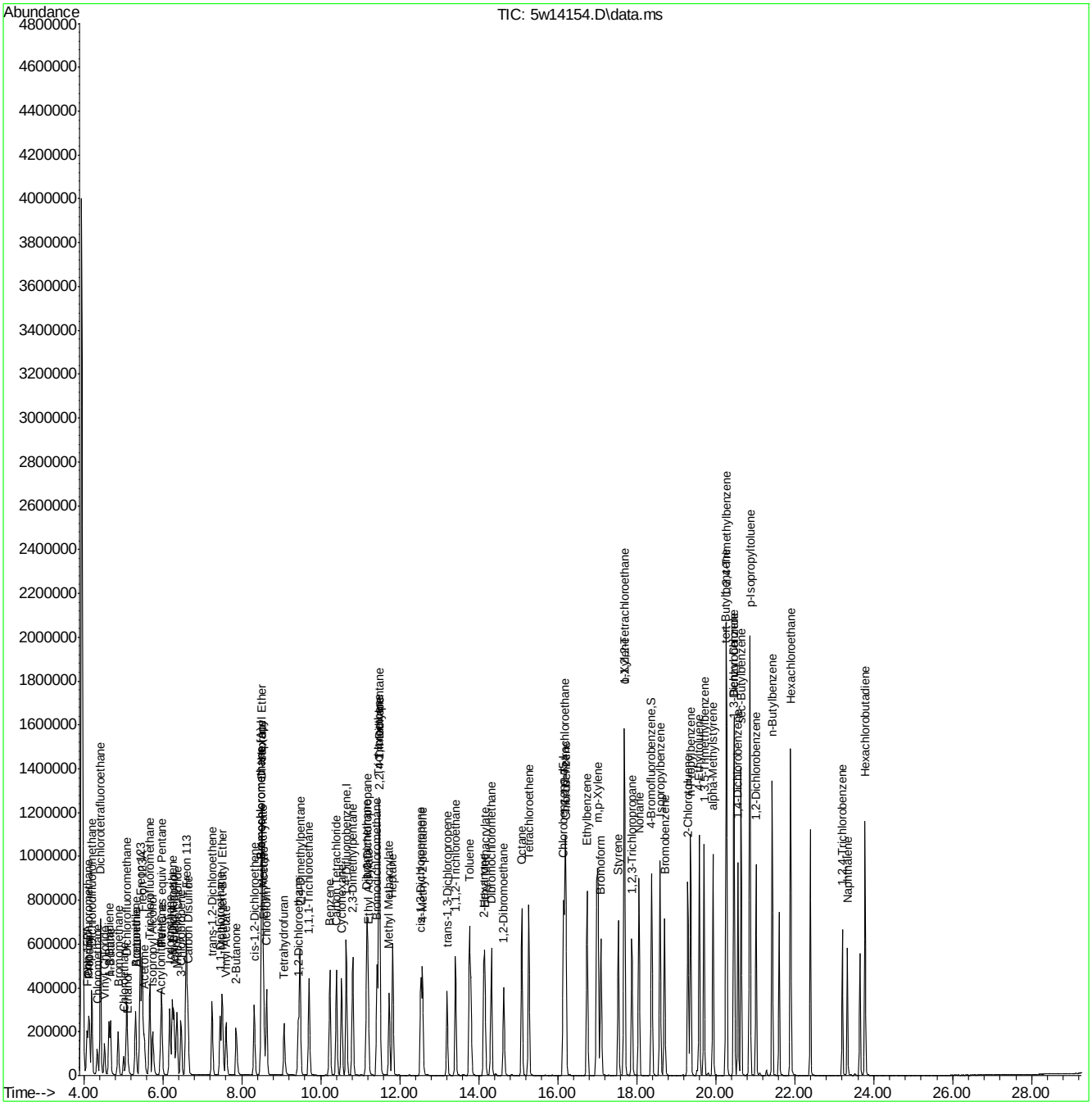
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,4-Dichlorobenzene	20.564	146	463435	9.70	ppb(v#	94
98) sec-Butylbenzene	20.643	134	193073	10.28	ppb(v	67
99) p-Isopropyltoluene	20.870	134	219183	10.63	ppb(v#	78
100) 1,2-Dichlorobenzene	21.023	146	447253	10.04	ppb(v#	94
101) n-Butylbenzene	21.432	134	186643	10.12	ppb(v	63
102) Hexachloroethane	21.897	201	269711	10.67	ppb(v#	67
103) 1,2,4-Trichlorobenzene	23.207	180	208990	8.29	ppb(v	99
104) Naphthalene	23.335	128	471109	8.44	ppb(v	99
105) Hexachlorobutadiene	23.782	225	226227	8.56	ppb(v	98
107) TVHC as equiv Pentane	5.973	TIC	1122198	9.34	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5w14154.D
Acq On : 5 Oct 2015 8:50 am
Operator : YOUMINH
Sample : CC534-10
Misc : MS92139,v5w565,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:49:50 2015
Quant Method : C:\msdchem\1\METHODS\m5w534.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Wed Aug 26 08:50:55 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52088.D Vial: 1
Acq On : 22 Oct 2015 10:55 am Operator: youminh
Sample : ICC2080-10 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:51 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	109229	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	563386	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	270383	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	313647	10.61	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.10%			
Target Compounds						Qvalue
3) FREON 152A	5.09	65	91722	9.59	PPBV	100
4) CHLORODIFLUOROMETHANE	5.13	67	31738	9.87	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	338775	9.42	PPBV	100
6) PROPYLENE	5.17	41	119404	8.63	PPBV	100
7) FREON 114	5.47	85	374030	9.44	PPBV	100
9) CHLOROMETHANE	5.39	52	44119	10.20	PPBV	100
10) VINYL CHLORIDE	5.60	62	158805	9.87	PPBV	100
11) 1,3-BUTADIENE	5.72	54	124206	9.74	PPBV	100
12) n-BUTANE	5.76	58	35041	9.84	PPBV	100
13) BROMOMETHANE	5.97	94	128885	9.98	PPBV	100
14) CHLOROETHANE	6.11	64	85407	9.89	PPBV	100
15) DICHLOROFLUOROMETHANE	6.18	67	308915	9.66	PPBV	100
16) ACROLEIN	6.51	56	67955	10.01	PPBV	100
17) TRICHLOROFLUOROMETHANE	6.77	101	308025	9.49	PPBV	100
18) ISOPROPYL ALCOHOL	6.80	45	278347	9.31	PPBV	100
19) ACETONE	6.62	58	77379	9.61	PPBV	100
21) ACRYLONITRILE	7.01	53	124281	10.40	PPBV	100
22) PENTANE	7.06	57	42760	9.50	PPBV	100
23) IODOMETHANE	7.27	142	344298	9.95	PPBV	100
24) 1,1-DICHLOROETHYLENE	7.32	96	143079	9.02	PPBV	100
25) CARBON DISULFIDE	7.72	76	410653	9.30	PPBV	100
26) ETHANOL	6.19	45	62688	9.10	PPBV	100
27) ACETONITRILE	6.40	41	126133	9.18	PPBV	100
28) BROMOETHENE	6.42	106	131997	10.20	PPBV	100
29) METHYLENE CHLORIDE	7.41	84	128598	9.48	PPBV	100
30) 3-CHLOROPROPENE	7.51	76	73127	10.35	PPBV	100
31) FREON 113	7.62	151	228401	9.89	PPBV	100
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	144949	9.28	PPBV	100
33) TERTIARY BUTYL ALCOHOL	7.32	59	313758	9.90	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.43	73	410887	9.99	PPBV	100
35) TETRAHYDROFURAN	9.77	72	74189	10.64	PPBV	100
36) HEXANE	9.28	57	251235	9.60	PPBV	100
37) VINYL ACETATE	8.49	86	41778	10.98	PPBV	100
38) 1,1-DICHLOROETHANE	8.39	63	268304	10.00	PPBV	100
39) METHYL ETHYL KETONE	8.73	72	75740	10.95	PPBV	100
40) cis-1,2-DICHLOROETHYLENE	9.13	96	154019	9.47	PPBV	100
41) DI-ISOPROPYL ETHER	9.26	87	131018	10.17	PPBV	100
42) ETHYL ACETATE	9.28	61	53282	10.51	PPBV	100
43) METHYL ACRYLATE	9.28	55	295041	10.41	PPBV	100
44) CHLOROFORM	9.39	83	279378	9.91	PPBV	100
45) 2,4-DIMETHYLPENTANE	10.08	57	289961	9.94	PPBV	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52088.D Vial: 1
Acq On : 22 Oct 2015 10:55 am Operator: youminh
Sample : ICC2080-10 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:51 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	1,1,1-TRICHLOROETHANE	10.30	97	272541	9.82	PPBV	100
47)	CARBON TETRACHLORIDE	10.86	117	277144	9.86	PPBV	100
48)	1,2-DICHLOROETHANE	10.06	62	169832	10.59	PPBV	100
50)	BENZENE	10.72	78	474854	9.92	PPBV	100
51)	CYCLOHEXANE	10.98	84	211438	9.04	PPBV	100
52)	2,3-DIMETHYLPENTANE	11.16	71	109809	10.20	PPBV	100
53)	TRICHLOROETHYLENE	11.69	95	195478	10.18	PPBV	100
54)	DIBROMOMETHANE	11.46	174	176692	10.53	PPBV	100
55)	1,2-DICHLOROPROPANE	11.48	63	173920	9.84	PPBV	100
56)	ETHYL ACRYLATE	11.42	55	338805	10.64	PPBV	100
57)	BROMODICHLOROMETHANE	11.66	83	312021	10.03	PPBV	100
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	782479	9.76	PPBV	100
59)	1,4-DIOXANE	11.70	88	97806	10.79	PPBV	100
60)	METHYL METHACRYLATE	11.83	69	175337	10.57	PPBV	100
61)	HEPTANE	11.92	43	274808	9.48	PPBV	100
62)	METHYL ISOBUTYL KETONE	12.52	43	323607	10.29	PPBV	100
63)	cis-1,3-DICHLOROPROPENE	12.50	75	283395	10.74	PPBV	100
64)	TOLUENE	13.47	92	336519	10.43	PPBV	100
65)	trans-1,3-DICHLOROPROPENE	13.01	75	226785	10.77	PPBV	100
66)	1,1,2-TRICHLOROETHANE	13.20	83	153893	10.38	PPBV	100
68)	ETHYL METHACRYLATE	13.69	69	286842	10.65	PPBV	100
69)	2-HEXANONE	13.70	58	179424	10.62	PPBV	100
70)	TETRACHLOROETHYLENE	14.62	164	205676	10.12	PPBV	100
71)	DIBROMOCHLOROMETHANE	13.91	129	304798	10.39	PPBV	100
72)	1,2-DIBROMOETHANE	14.17	107	261530	11.09	PPBV	100
73)	OCTANE	14.41	43	384487	9.80	PPBV	100
74)	1,1,1,2-TETRACHLOROETHANE	15.30	131	225129	10.55	PPBV	100
75)	CHLOROBENZENE	15.33	112	427720	10.30	PPBV	100
76)	ETHYLBENZENE	15.71	91	674624	10.07	PPBV	100
77)	m,p-XYLENE	15.90	106	551503	20.46	PPBV	100
78)	o-XYLENE	16.40	106	255664	10.55	PPBV	100
79)	STYRENE	16.29	104	419115	10.91	PPBV	100
80)	1,2,3-TRICHLOROPROPANE	16.54	75	277233	9.99	PPBV	100
81)	NONANE	16.58	43	390110	10.38	PPBV	100
82)	BROMOFORM	16.01	173	292986	10.75	PPBV	100
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	381357	10.16	PPBV	100
85)	ISOPROPYLBENZENE	17.02	105	753639	9.99	PPBV	100
86)	BROMOBENZENE	17.15	156	221409	10.60	PPBV	100
87)	2-CHLOROTOLUENE	17.55	126	176246	10.21	PPBV	100
88)	n-PROPYLBENZENE	17.57	120	201387	10.39	PPBV	100
89)	4-ETHYLTOLUENE	17.73	105	648337	10.46	PPBV	100
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	600914	10.02	PPBV	100
91)	ALPHA-METHYLSTYRENE	17.98	118	282262	10.93	PPBV	100
92)	TERT-BUTYLBENZENE	18.25	134	144169	10.36	PPBV	100
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	559823	10.36	PPBV	100
94)	m-DICHLOROBENZENE	18.45	146	313197	9.92	PPBV	100
95)	BENZYL CHLORIDE	18.42	91	421176	10.64	PPBV	100
96)	p-DICHLOROBENZENE	18.52	146	345346	10.41	PPBV	100
97)	SEC-BUTYLBENZENE	18.56	134	168139	10.25	PPBV	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52088.D Vial: 1
Acq On : 22 Oct 2015 10:55 am Operator: youminh
Sample : ICC2080-10 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:51 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

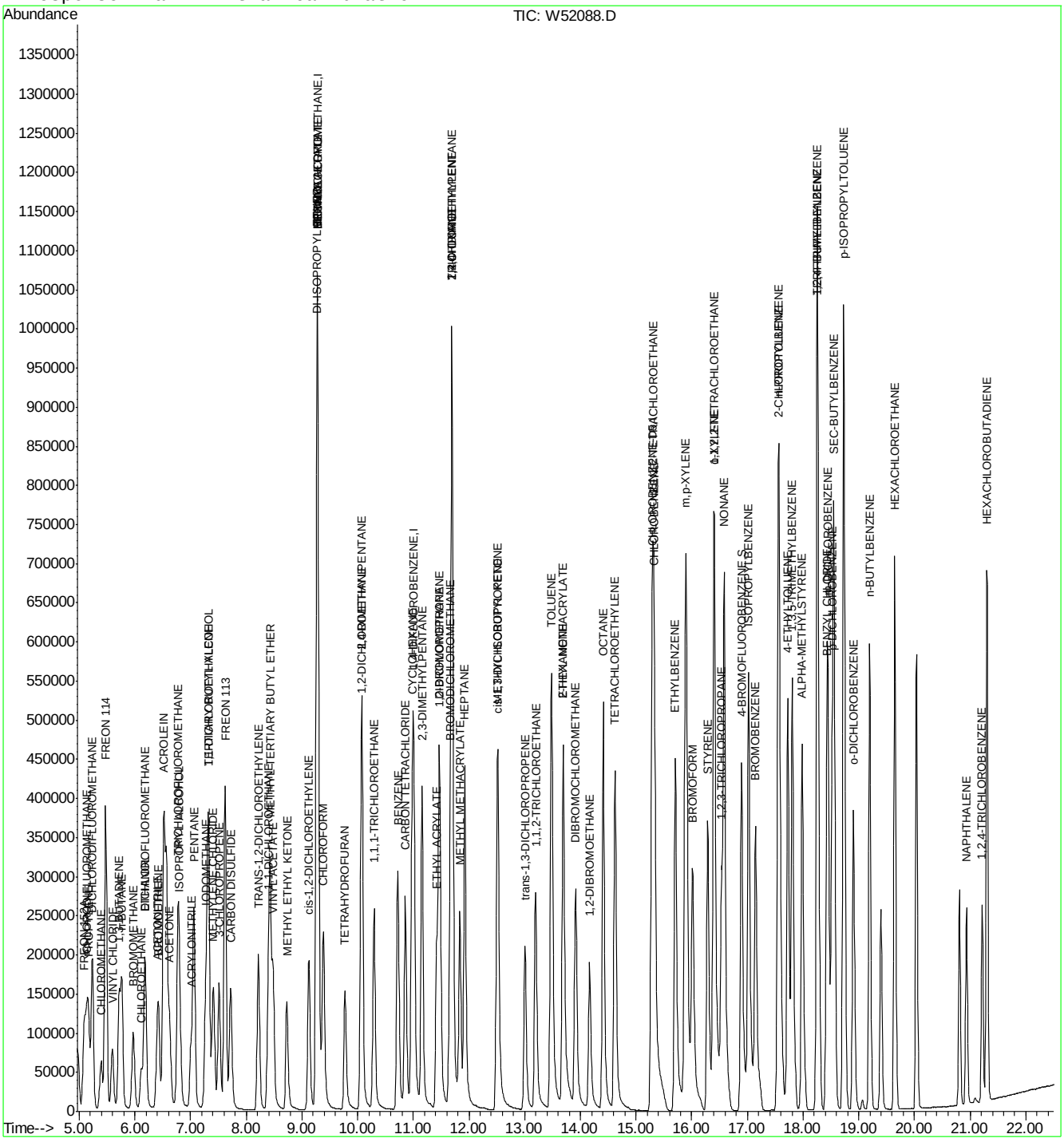
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	174904	10.26	PPBV	100
99)	o-DICHLOROBENZENE	18.90	146	300384	9.90	PPBV	100
100)	n-BUTYLBENZENE	19.20	134	150521	10.64	PPBV	100
101)	HEXACHLOROETHANE	19.65	201	211785	10.39	PPBV	100
102)	HEXACHLOROBUTADIENE	21.31	225	197558	8.79	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.21	180	125381	8.26	PPBV	100
104)	NAPHTHALENE	20.93	128	296530	8.45	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52088.D Vial: 1
Acq On : 22 Oct 2015 10:55 am Operator: youminh
Sample : ICC2080-10 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:12 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52089.D Vial: 1
Acq On : 22 Oct 2015 11:35 am Operator: youminh
Sample : IC2080-5 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:54 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	101092	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	522945	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	240938	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	281043	10.67	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.70%			
Target Compounds						Qvalue
3) FREON 152A	5.09	65	49195	5.56	PPBV	99
4) CHLORODIFLUOROMETHANE	5.14	67	17120	5.75	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	183507	5.51	PPBV	100
6) PROPYLENE	5.17	41	64026	5.00	PPBV	100
7) FREON 114	5.47	85	203339	5.55	PPBV	99
9) CHLOROMETHANE	5.39	52	23593	5.89	PPBV	90
10) VINYL CHLORIDE	5.60	62	85141	5.72	PPBV	100
11) 1,3-BUTADIENE	5.72	54	67014	5.68	PPBV	100
12) n-BUTANE	5.77	58	19008	5.77	PPBV	96
13) BROMOMETHANE	5.97	94	70366	5.89	PPBV	100
14) CHLOROETHANE	6.11	64	45602	5.70	PPBV	100
15) DICHLOROFLUOROMETHANE	6.18	67	163021	5.51	PPBV	100
16) ACROLEIN	6.52	56	35570	5.66	PPBV	99
17) TRICHLOROFLUOROMETHANE	6.77	101	164261	5.47	PPBV	100
18) ISOPROPYL ALCOHOL	6.81	45	136922	4.95	PPBV	99
19) ACETONE	6.63	58	39391	5.28	PPBV	98
21) ACRYLONITRILE	7.01	53	63483	5.74	PPBV	100
22) PENTANE	7.06	57	22620	5.43	PPBV	97
23) IODOMETHANE	7.28	142	182291	5.69	PPBV	100
24) 1,1-DICHLOROETHYLENE	7.32	96	76073	5.18	PPBV	99
25) CARBON DISULFIDE	7.72	76	221902	5.43	PPBV	100
26) ETHANOL	6.20	45	31745	4.98	PPBV	98
27) ACETONITRILE	6.40	41	65969	5.19	PPBV	99
28) BROMOETHENE	6.42	106	71182	5.94	PPBV	100
29) METHYLENE CHLORIDE	7.41	84	68337	5.44	PPBV	96
30) 3-CHLOROPROPENE	7.52	76	38018	5.81	PPBV	97
31) FREON 113	7.62	151	119157	5.57	PPBV	100
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	77174	5.34	PPBV	98
33) TERTIARY BUTYL ALCOHOL	7.32	59	153815	5.24	PPBV	97
34) METHYL TERTIARY BUTYL ETHE	8.44	73	208891	5.49	PPBV	100
35) TETRAHYDROFURAN	9.78	72	37384	5.79	PPBV	100
36) HEXANE	9.28	57	130200	5.38	PPBV	100
37) VINYL ACETATE	8.48	86	21066	5.98	PPBV	98
38) 1,1-DICHLOROETHANE	8.40	63	140210	5.64	PPBV	99
39) METHYL ETHYL KETONE	8.74	72	37359	5.84	PPBV	99
40) cis-1,2-DICHLOROETHYLENE	9.13	96	80948	5.38	PPBV	99
41) DI-ISOPROPYL ETHER	9.27	87	66151	5.55	PPBV	100
42) ETHYL ACETATE	9.28	61	26753	5.70	PPBV	99
43) METHYL ACRYLATE	9.28	55	148294	5.65	PPBV	99
44) CHLOROFORM	9.39	83	147106	5.64	PPBV	100
45) 2,4-DIMETHYLPENTANE	10.08	57	150033	5.56	PPBV	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52089.D Vial: 1
Acq On : 22 Oct 2015 11:35 am Operator: youminh
Sample : IC2080-5 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:54 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) 1,1,1-TRICHLOROETHANE	10.30	97	143492	5.59	PPBV		100
47) CARBON TETRACHLORIDE	10.86	117	145645	5.60	PPBV		100
48) 1,2-DICHLOROETHANE	10.06	62	88557	5.97	PPBV		100
50) BENZENE	10.72	78	248716	5.60	PPBV		100
51) CYCLOHEXANE	10.98	84	111586	5.14	PPBV		96
52) 2,3-DIMETHYLPENTANE	11.16	71	57484	5.75	PPBV		98
53) TRICHLOROETHYLENE	11.69	95	101653	5.70	PPBV		99
54) DIBROMOMETHANE	11.46	174	91578	5.88	PPBV		100
55) 1,2-DICHLOROPROPANE	11.48	63	91263	5.56	PPBV		99
56) ETHYL ACRYLATE	11.42	55	163221	5.52	PPBV		99
57) BROMODICHLOROMETHANE	11.66	83	162992	5.64	PPBV		100
58) 2,2,4-TRIMETHYLPENTANE	11.70	57	400804	5.38	PPBV		99
59) 1,4-DIOXANE	11.70	88	45195	5.37	PPBV		94
60) METHYL METHACRYLATE	11.83	69	87593	5.69	PPBV		98
61) HEPTANE	11.92	43	143038	5.31	PPBV		99
62) METHYL ISOBUTYL KETONE	12.52	43	147744	5.06	PPBV		100
63) cis-1,3-DICHLOROPROPENE	12.50	75	144093	5.89	PPBV		99
64) TOLUENE	13.47	92	172396	5.76	PPBV		99
65) trans-1,3-DICHLOROPROPENE	13.00	75	111583	5.71	PPBV		98
66) 1,1,2-TRICHLOROETHANE	13.20	83	80126	5.82	PPBV		99
68) ETHYL METHACRYLATE	13.69	69	131006	5.46	PPBV		100
69) 2-HEXANONE	13.70	58	81434	5.41	PPBV		99
70) TETRACHLOROETHYLENE	14.62	164	106893	5.90	PPBV		100
71) DIBROMOCHLOROMETHANE	13.91	129	157438	6.02	PPBV		100
72) 1,2-DIBROMOETHANE	14.17	107	131166	6.24	PPBV		100
73) OCTANE	14.41	43	194258	5.56	PPBV		100
74) 1,1,1,2-TETRACHLOROETHANE	15.30	131	115179	6.06	PPBV	#	46
75) CHLOROBENZENE	15.33	112	217895	5.89	PPBV		99
76) ETHYLBENZENE	15.70	91	343871	5.76	PPBV		100
77) m,p-XYLENE	15.90	106	281459	11.72	PPBV		99
78) o-XYLENE	16.40	106	130670	6.05	PPBV		100
79) STYRENE	16.29	104	211292	6.17	PPBV		99
80) 1,2,3-TRICHLOROPROPANE	16.54	75	140131	5.67	PPBV		100
81) NONANE	16.58	43	195984	5.85	PPBV		100
82) BROMOFORM	16.01	173	147895	6.09	PPBV		100
84) 1,1,2,2-TETRACHLOROETHANE	16.40	83	193602	5.79	PPBV		100
85) ISOPROPYLBENZENE	17.02	105	387376	5.76	PPBV		100
86) BROMOBENZENE	17.15	156	111707	6.00	PPBV		99
87) 2-CHLOROTOLUENE	17.55	126	89502	5.82	PPBV		99
88) n-PROPYLBENZENE	17.57	120	101289	5.86	PPBV		97
89) 4-ETHYLTOLUENE	17.73	105	325534	5.89	PPBV		99
90) 1,3,5-TRIMETHYLBENZENE	17.81	105	311339	5.83	PPBV		99
91) ALPHA-METHYLSTYRENE	17.98	118	141025	6.13	PPBV		100
92) TERT-BUTYLBENZENE	18.25	134	73036	5.89	PPBV		100
93) 1,2,4-TRIMETHYLBENZENE	18.26	105	281296	5.84	PPBV		99
94) m-DICHLOROBENZENE	18.45	146	154000	5.47	PPBV		97
95) BENZYL CHLORIDE	18.42	91	200151	5.67	PPBV		100
96) p-DICHLOROBENZENE	18.52	146	172111	5.82	PPBV		97
97) SEC-BUTYLBENZENE	18.56	134	85526	5.85	PPBV		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52089.D Vial: 1
Acq On : 22 Oct 2015 11:35 am Operator: youminh
Sample : IC2080-5 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:54 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

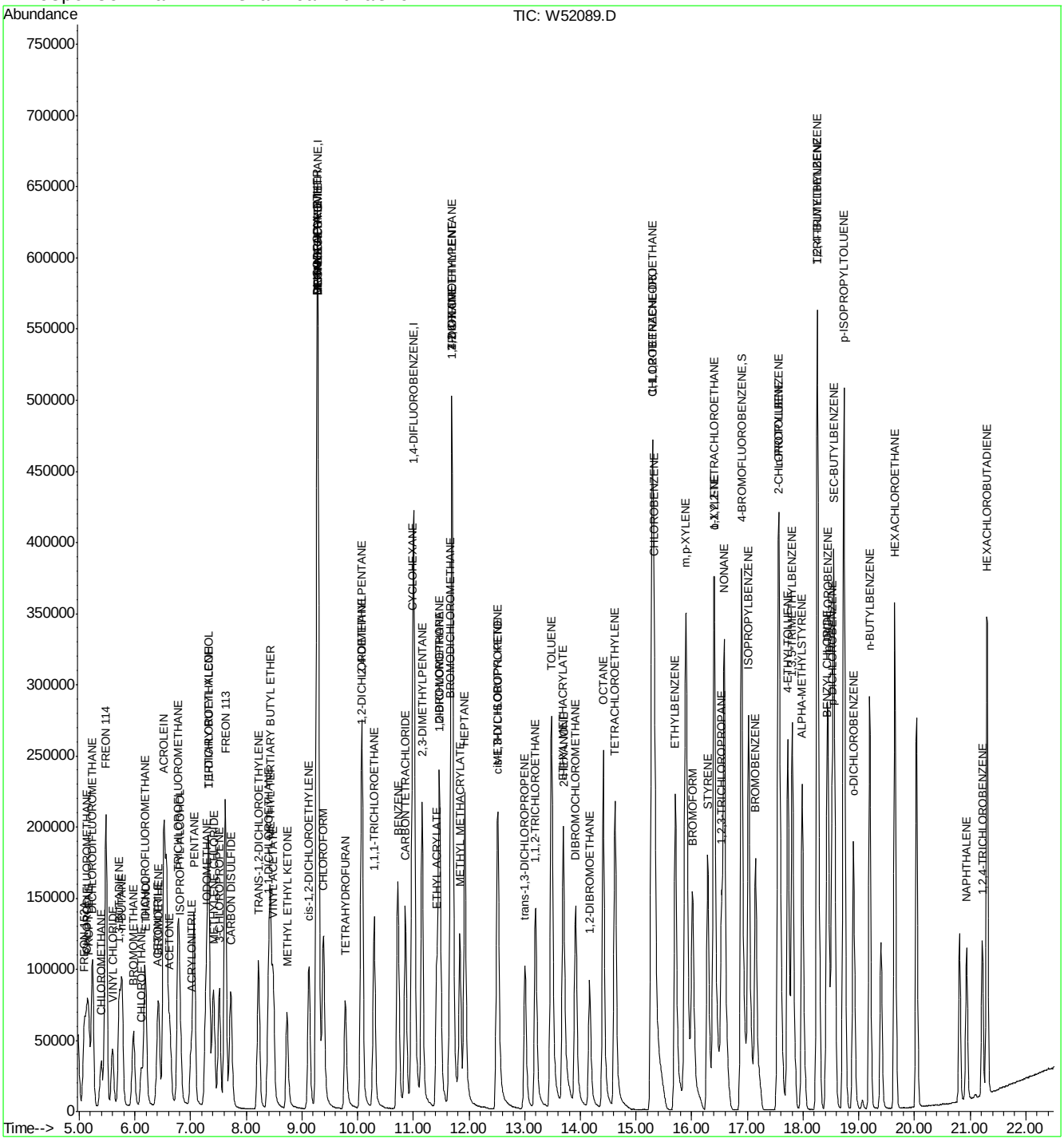
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	87925	5.79	PPBV	97
99)	o-DICHLOROBENZENE	18.90	146	151082	5.59	PPBV	100
100)	n-BUTYLBENZENE	19.20	134	74425	5.90	PPBV	98
101)	HEXACHLOROETHANE	19.65	201	107913	5.94	PPBV	99
102)	HEXACHLOROBUTADIENE	21.31	225	99646	4.97	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.22	180	56410	4.17	PPBV	99
104)	NAPHTHALENE	20.93	128	133327	4.27	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52089.D Vial: 1
Acq On : 22 Oct 2015 11:35 am Operator: youminh
Sample : IC2080-5 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:12 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52090.D Vial: 2
Acq On : 22 Oct 2015 12:16 pm Operator: youminh
Sample : IC2080-0.5 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:56 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	97827	10.00	PPBV	0.01
49) 1,4-DIFLUOROBENZENE	11.02	114	499412	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.29	82	215867	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	231194	9.79	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 97.90%			
Target Compounds						Qvalue
3) FREON 152A	5.11	65	4417	0.52	PPBV	100
4) CHLORODIFLUOROMETHANE	5.14	67	1490	0.52	PPBV #	85
5) DICHLORODIFLUOROMETHANE	5.25	85	16873	0.52	PPBV	100
6) PROPYLENE	5.18	41	6168	0.50	PPBV	97
7) FREON 114	5.49	85	18871	0.53	PPBV	100
9) CHLOROMETHANE	5.41	52	1958	0.51	PPBV #	83
10) VINYL CHLORIDE	5.61	62	7532	0.52	PPBV	99
11) 1,3-BUTADIENE	5.74	54	5900	0.52	PPBV #	86
12) n-BUTANE	5.79	58	1643	0.51	PPBV #	82
13) BROMOMETHANE	5.99	94	6242	0.54	PPBV	96
14) CHLOROETHANE	6.13	64	3956	0.51	PPBV	97
15) DICHLOROFLUOROMETHANE	6.19	67	14451	0.50	PPBV	98
16) ACROLEIN	6.53	56	2714	0.45	PPBV	97
17) TRICHLOROFLUOROMETHANE	6.78	101	15251	0.52	PPBV	98
18) ISOPROPYL ALCOHOL	6.84	45	12929	0.48	PPBV	93
19) ACETONE	6.66	58	3328	0.46	PPBV #	66
21) ACRYLONITRILE	7.03	53	4751	0.44	PPBV	95
22) PENTANE	7.08	57	2029	0.50	PPBV #	87
23) IODOMETHANE	7.29	142	15975	0.52	PPBV	99
24) 1,1-DICHLOROETHYLENE	7.33	96	7160	0.50	PPBV	93
25) CARBON DISULFIDE	7.74	76	21744	0.55	PPBV	96
26) ETHANOL	6.22	45	3298	0.53	PPBV #	46
27) ACETONITRILE	6.44	41	6464	0.53	PPBV #	75
28) BROMOETHENE	6.44	106	6203	0.53	PPBV	99
29) METHYLENE CHLORIDE	7.43	84	6724	0.55	PPBV	95
30) 3-CHLOROPROPENE	7.52	76	3024	0.48	PPBV #	83
31) FREON 113	7.63	151	10324	0.50	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	6925	0.50	PPBV	92
33) TERTIARY BUTYL ALCOHOL	7.36	59	13918	0.49	PPBV	95
34) METHYL TERTIARY BUTYL ETHE	8.46	73	17211	0.47	PPBV	98
35) TETRAHYDROFURAN	9.81	72	2591	0.41	PPBV #	91
36) HEXANE	9.30	57	11174	0.48	PPBV	98
37) VINYL ACETATE	8.50	86	1319	0.39	PPBV #	39
38) 1,1-DICHLOROETHANE	8.41	63	12026	0.50	PPBV	99
39) METHYL ETHYL KETONE	8.75	72	2569	0.41	PPBV #	91
40) cis-1,2-DICHLOROETHYLENE	9.13	96	7417	0.51	PPBV	90
41) DI-ISOPROPYL ETHER	9.28	87	5181	0.45	PPBV	92
42) ETHYL ACETATE	9.30	61	1829	0.40	PPBV #	82
43) METHYL ACRYLATE	9.30	55	11068	0.44	PPBV	96
44) CHLOROFORM	9.39	83	12594	0.50	PPBV	96
45) 2,4-DIMETHYLPENTANE	10.08	57	12777	0.49	PPBV	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52090.D Vial: 2
Acq On : 22 Oct 2015 12:16 pm Operator: youminh
Sample : IC2080-0.5 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:56 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.30	97	12219	0.49	PPBV		98
47)	CARBON TETRACHLORIDE	10.87	117	12295	0.49	PPBV		99
48)	1,2-DICHLOROETHANE	10.07	62	6979	0.49	PPBV		96
50)	BENZENE	10.73	78	20855	0.49	PPBV		98
51)	CYCLOHEXANE	10.99	84	9793	0.47	PPBV	#	4
52)	2,3-DIMETHYLPENTANE	11.16	71	4768	0.50	PPBV		88
53)	TRICHLOROETHYLENE	11.69	95	8487	0.50	PPBV		99
54)	DIBROMOMETHANE	11.47	174	7443	0.50	PPBV		97
55)	1,2-DICHLOROPROPANE	11.48	63	7565	0.48	PPBV		92
56)	ETHYL ACRYLATE	11.43	55	12276	0.43	PPBV	#	73
57)	BROMODICHLOROMETHANE	11.66	83	13711	0.50	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	34203	0.48	PPBV		99
59)	1,4-DIOXANE	11.74	88	3085	0.38	PPBV	#	25
60)	METHYL METHACRYLATE	11.85	69	6537	0.44	PPBV		97
61)	HEPTANE	11.93	43	12556	0.49	PPBV		97
62)	METHYL ISOBUTYL KETONE	12.55	43	12887	0.46	PPBV		90
63)	cis-1,3-DICHLOROPROPENE	12.51	75	11042	0.47	PPBV		98
64)	TOLUENE	13.47	92	13769	0.48	PPBV		98
65)	trans-1,3-DICHLOROPROPENE	13.02	75	8179	0.44	PPBV		96
66)	1,1,2-TRICHLOROETHANE	13.20	83	6174	0.47	PPBV		99
68)	ETHYL METHACRYLATE	13.69	69	9908	0.46	PPBV	#	90
69)	2-HEXANONE	13.72	58	6365	0.47	PPBV	#	83
70)	TETRACHLOROETHYLENE	14.62	164	9009	0.56	PPBV		97
71)	DIBROMOCHLOROMETHANE	13.92	129	12394	0.53	PPBV		98
72)	1,2-DIBROMOETHANE	14.17	107	9674	0.51	PPBV		99
73)	OCTANE	14.41	43	16119	0.51	PPBV		96
74)	1,1,1,2-TETRACHLOROETHANE	15.30	131	9138	0.54	PPBV	#	1
75)	CHLOROBENZENE	15.33	112	17631	0.53	PPBV		84
76)	ETHYLBENZENE	15.70	91	27058	0.51	PPBV		99
77)	m,p-XYLENE	15.90	106	22408	1.04	PPBV		99
78)	o-XYLENE	16.40	106	10235	0.53	PPBV		98
79)	STYRENE	16.29	104	15112	0.49	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.54	75	11334	0.51	PPBV		95
81)	NONANE	16.59	43	14462	0.48	PPBV		99
82)	BROMOFORM	16.02	173	11339	0.52	PPBV		95
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	15222	0.51	PPBV		99
85)	ISOPROPYLBENZENE	17.03	105	29938	0.50	PPBV		99
86)	BROMOBENZENE	17.15	156	8579	0.51	PPBV		97
87)	2-CHLOROTOLUENE	17.55	126	6894	0.50	PPBV	#	82
88)	n-PROPYLBENZENE	17.58	120	7594	0.49	PPBV		97
89)	4-ETHYLTOLUENE	17.73	105	23380	0.47	PPBV		99
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	24044	0.50	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.98	118	9769	0.47	PPBV		99
92)	TERT-BUTYLBENZENE	18.26	134	5194	0.47	PPBV		92
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	20693	0.48	PPBV		98
94)	m-DICHLOROBENZENE	18.45	146	12064	0.48	PPBV		99
95)	BENZYL CHLORIDE	18.43	91	14477	0.46	PPBV		97
96)	p-DICHLOROBENZENE	18.53	146	12730	0.48	PPBV		99
97)	SEC-BUTYLBENZENE	18.56	134	6270	0.48	PPBV		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52090.D Vial: 2
Acq On : 22 Oct 2015 12:16 pm Operator: youminh
Sample : IC2080-0.5 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:56 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

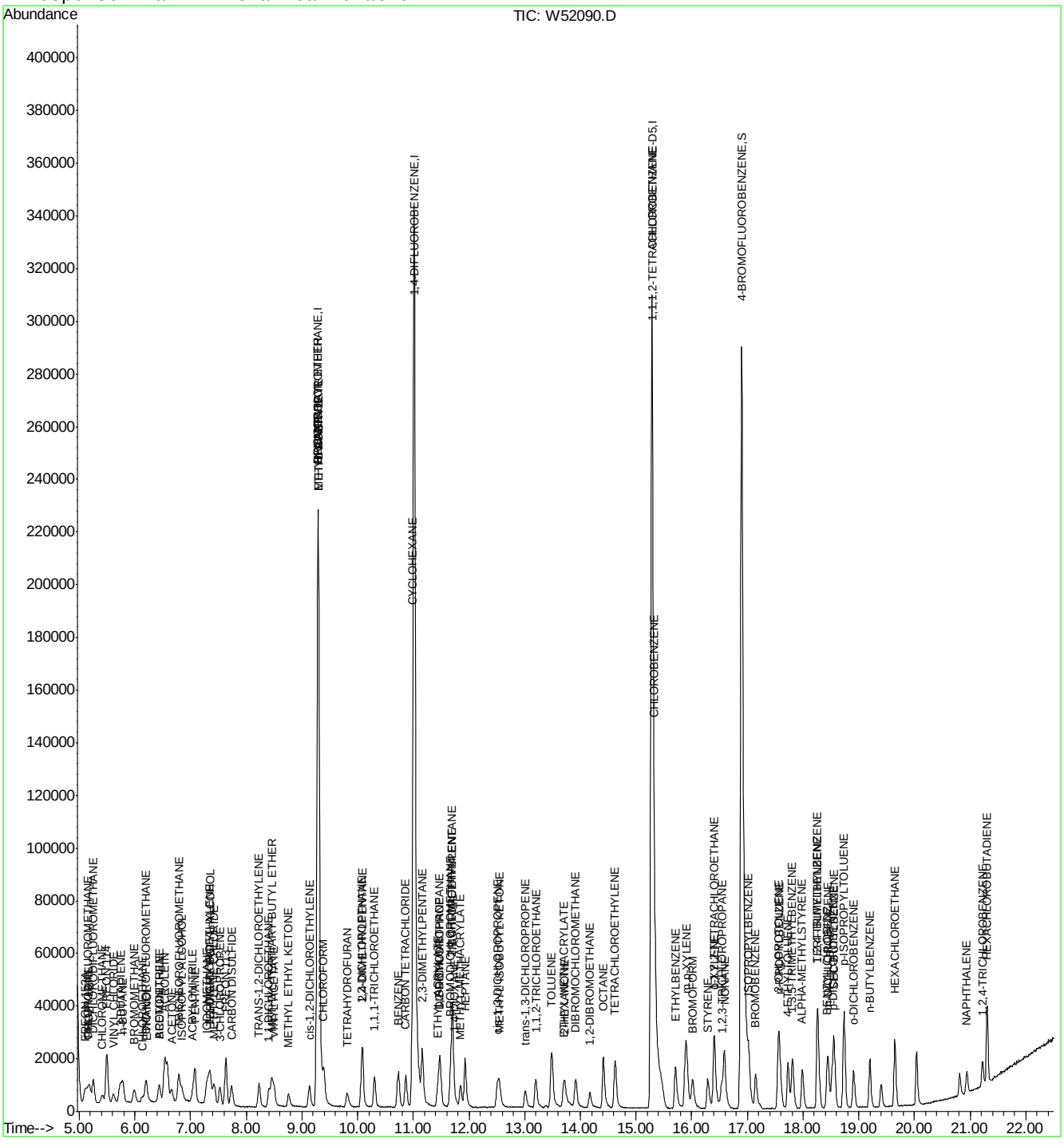
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	6462	0.47	PPBV	94
99)	o-DICHLOROBENZENE	18.90	146	12253	0.51	PPBV	99
100)	n-BUTYLBENZENE	19.20	134	5238	0.46	PPBV	96
101)	HEXACHLOROETHANE	19.65	201	8235	0.51	PPBV	99
102)	HEXACHLOROBUTADIENE	21.31	225	9407	0.52	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.23	180	5847	0.48	PPBV	97
104)	NAPHTHALENE	20.94	128	12303	0.44	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52090.D Vial: 2
Acq On : 22 Oct 2015 12:16 pm Operator: youminh
Sample : IC2080-0.5 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:13 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon 10/27/15 10:26

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52091.D Vial: 2
Acq On : 22 Oct 2015 12:56 pm Operator: youminh
Sample : IC2080-0.2 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:59 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	92523	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	469569	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	202749	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.89	95	214745	9.69	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 96.90%

Target Compounds						Qvalue
3) FREON 152A	5.10	65	1881	0.23	PPBV	93
4) CHLORODIFLUOROMETHANE	5.13	67	561	0.21	PPBV #	42
5) DICHLORODIFLUOROMETHANE	5.24	85	7043	0.23	PPBV	98
6) PROPYLENE	5.18	41	2724	0.23	PPBV	97
7) FREON 114	5.48	85	7664	0.23	PPBV	99
9) CHLOROMETHANE	5.40	52	802	0.22	PPBV #	54
10) VINYL CHLORIDE	5.60	62	3104	0.23	PPBV #	90
11) 1,3-BUTADIENE	5.72	54	2514	0.23	PPBV #	67
12) n-BUTANE	5.77	58	617	0.20	PPBV #	30
13) BROMOMETHANE	5.97	94	2545	0.23	PPBV	84
14) CHLOROETHANE	6.12	64	1614	0.22	PPBV #	71
15) DICHLOROFLUOROMETHANE	6.19	67	6086	0.22	PPBV #	97
16) ACROLEIN	6.53	56	1192	0.21	PPBV	94
17) TRICHLOROFLUOROMETHANE	6.78	101	6347	0.23	PPBV	99
18) ISOPROPYL ALCOHOL	6.83	45	5465	0.22	PPBV	81
19) ACETONE	6.65	58	1436	0.21	PPBV #	63
21) ACRYLONITRILE	7.03	53	1875	0.19	PPBV	91
22) PENTANE	7.06	57	861	0.23	PPBV #	64
23) IODOMETHANE	7.28	142	6355	0.22	PPBV	99
24) 1,1-DICHLOROETHYLENE	7.33	96	3041	0.23	PPBV	89
25) CARBON DISULFIDE	7.72	76	9766	0.26	PPBV	95
26) ETHANOL	6.21	45	1664	0.29	PPBV #	81
27) ACETONITRILE	6.42	41	2956	0.25	PPBV #	78
28) BROMOETHENE	6.42	106	2373	0.22	PPBV #	94
29) METHYLENE CHLORIDE	7.41	84	2813	0.24	PPBV	95
30) 3-CHLOROPROPENE	7.52	76	1228	0.21	PPBV #	82
31) FREON 113	7.63	151	4288	0.22	PPBV	96
32) TRANS-1,2-DICHLOROETHYLENE	8.23	96	2800	0.21	PPBV	91
33) TERTIARY BUTYL ALCOHOL	7.36	59	5617	0.21	PPBV	92
34) METHYL TERTIARY BUTYL ETHE	8.46	73	7043	0.20	PPBV	95
35) TETRAHYDROFURAN	9.80	72	860	0.15	PPBV #	67
36) HEXANE	9.28	57	4718	0.21	PPBV	98
37) VINYL ACETATE	8.49	86	389	0.12	PPBV #	1
38) 1,1-DICHLOROETHANE	8.41	63	4877	0.21	PPBV	96
39) METHYL ETHYL KETONE	8.77	72	969	0.17	PPBV #	84
40) cis-1,2-DICHLOROETHYLENE	9.13	96	3079	0.22	PPBV	87
41) DI-ISOPROPYL ETHER	9.28	87	2054	0.19	PPBV	89
42) ETHYL ACETATE	9.30	61	644	0.15	PPBV #	88
43) METHYL ACRYLATE	9.30	55	4296	0.18	PPBV	93
44) CHLOROFORM	9.39	83	5144	0.22	PPBV	95
45) 2,4-DIMETHYLPENTANE	10.08	57	5180	0.21	PPBV	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52091.D Vial: 2
Acq On : 22 Oct 2015 12:56 pm Operator: youminh
Sample : IC2080-0.2 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:59 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.30	97	5096	0.22	PPBV		98
47)	CARBON TETRACHLORIDE	10.86	117	5104	0.21	PPBV		95
48)	1,2-DICHLOROETHANE	10.07	62	2703	0.20	PPBV		91
50)	BENZENE	10.73	78	8339	0.21	PPBV		100
51)	CYCLOHEXANE	10.98	84	4402	0.23	PPBV	#	1
52)	2,3-DIMETHYLPENTANE	11.16	71	1928	0.21	PPBV	#	78
53)	TRICHLOROETHYLENE	11.70	95	3382	0.21	PPBV		95
54)	DIBROMOMETHANE	11.47	174	2868	0.21	PPBV		96
55)	1,2-DICHLOROPROPANE	11.48	63	3127	0.21	PPBV		89
56)	ETHYL ACRYLATE	11.44	55	4564	0.17	PPBV	#	58
57)	BROMODICHLOROMETHANE	11.66	83	5599	0.22	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	14215	0.21	PPBV		99
59)	1,4-DIOXANE	11.75	88	921	0.12	PPBV	#	18
60)	METHYL METHACRYLATE	11.85	69	2435	0.18	PPBV		92
61)	HEPTANE	11.92	43	5414	0.22	PPBV		94
62)	METHYL ISOBUTYL KETONE	12.55	43	4793	0.18	PPBV		85
63)	cis-1,3-DICHLOROPROPENE	12.50	75	4132	0.19	PPBV		96
64)	TOLUENE	13.48	92	5262	0.20	PPBV		91
65)	trans-1,3-DICHLOROPROPENE	13.01	75	3025	0.17	PPBV		94
66)	1,1,2-TRICHLOROETHANE	13.19	83	2243	0.18	PPBV		92
68)	ETHYL METHACRYLATE	13.70	69	3720	0.18	PPBV	#	80
69)	2-HEXANONE	13.73	58	2038	0.16	PPBV	#	69
70)	TETRACHLOROETHYLENE	14.62	164	3606	0.24	PPBV		95
71)	DIBROMOCHLOROMETHANE	13.92	129	4874	0.22	PPBV		95
72)	1,2-DIBROMOETHANE	14.17	107	3546	0.20	PPBV	#	98
73)	OCTANE	14.41	43	6740	0.23	PPBV		90
74)	1,1,1,2-TETRACHLOROETHANE	15.31	131	3636	0.23	PPBV	#	1
75)	CHLOROBENZENE	15.33	112	6757	0.22	PPBV	#	64
76)	ETHYLBENZENE	15.70	91	11270	0.22	PPBV		96
77)	m,p-XYLENE	15.90	106	8991	0.44	PPBV		97
78)	o-XYLENE	16.40	106	4047	0.22	PPBV		93
79)	STYRENE	16.29	104	5914	0.21	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.54	75	4805	0.23	PPBV	#	86
81)	NONANE	16.59	43	6169	0.22	PPBV		89
82)	BROMOFORM	16.01	173	4338	0.21	PPBV		90
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	6217	0.22	PPBV		97
85)	ISOPROPYLBENZENE	17.03	105	12720	0.22	PPBV		98
86)	BROMOBENZENE	17.14	156	3353	0.21	PPBV		94
87)	2-CHLOROTOLUENE	17.56	126	2779	0.21	PPBV	#	89
88)	n-PROPYLBENZENE	17.58	120	2970	0.20	PPBV		85
89)	4-ETHYLTOLUENE	17.73	105	9507m	0.20	PPBV		
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	9953	0.22	PPBV		96
91)	ALPHA-METHYLSTYRENE	17.98	118	3790	0.20	PPBV		96
92)	TERT-BUTYLBENZENE	18.26	134	2119	0.20	PPBV		90
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	8505	0.21	PPBV		98
94)	m-DICHLOROBENZENE	18.45	146	4959	0.21	PPBV		100
95)	BENZYL CHLORIDE	18.43	91	5472	0.18	PPBV		93
96)	p-DICHLOROBENZENE	18.53	146	5070	0.20	PPBV		96
97)	SEC-BUTYLBENZENE	18.56	134	2546	0.21	PPBV		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52091.D Vial: 2
Acq On : 22 Oct 2015 12:56 pm Operator: youminh
Sample : IC2080-0.2 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:04:59 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

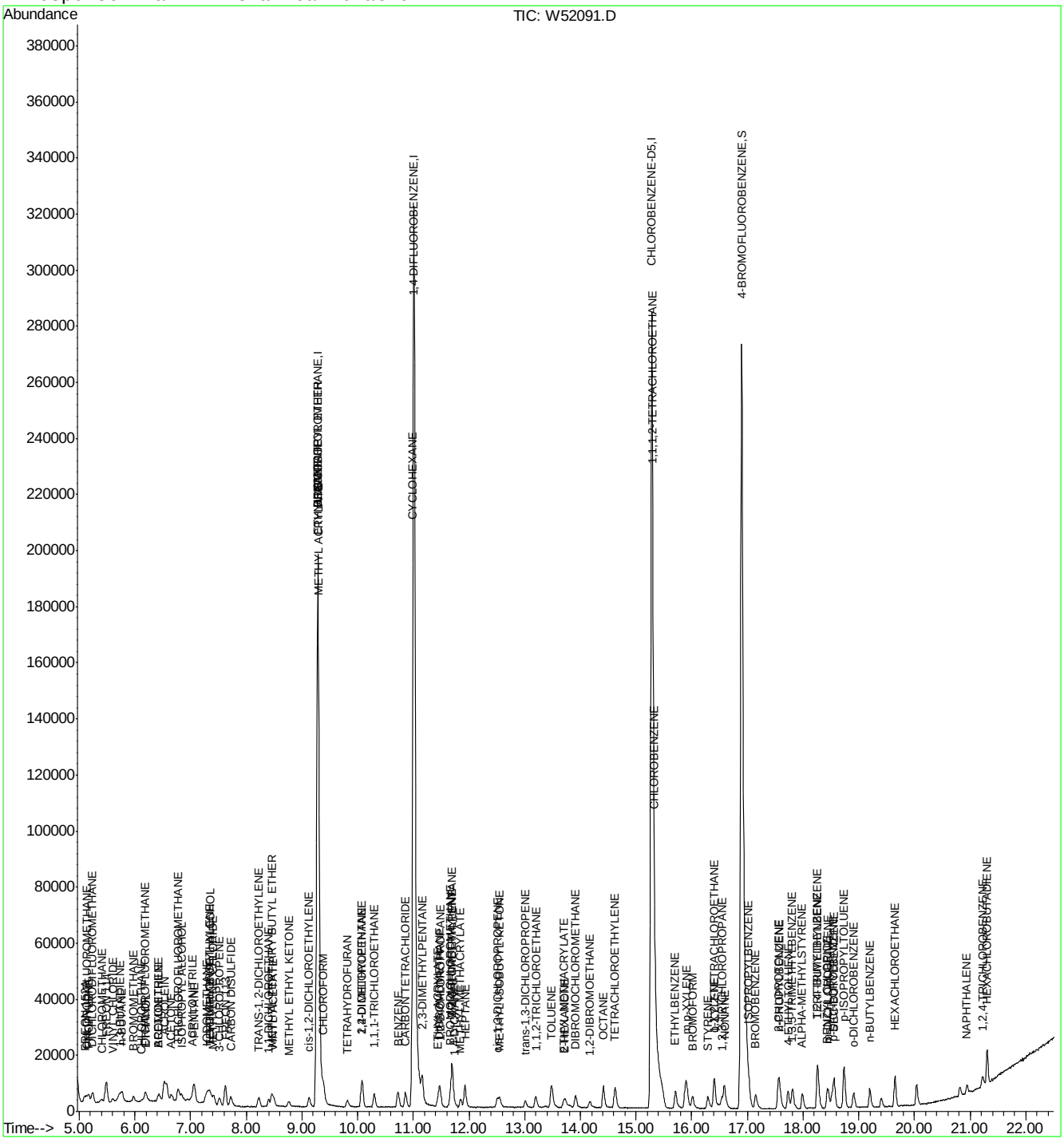
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	2589	0.20	PPBV	89
99)	o-DICHLOROBENZENE	18.90	146	4923	0.22	PPBV	99
100)	n-BUTYLBENZENE	19.20	134	2014	0.19	PPBV	89
101)	HEXACHLOROETHANE	19.65	201	3620	0.24	PPBV	99
102)	HEXACHLOROBUTADIENE	21.31	225	4017	0.24	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.22	180	2436	0.21	PPBV	96
104)	NAPHTHALENE	20.94	128	4717	0.18	PPBV	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52091.D Vial: 2
Acq On : 22 Oct 2015 12:56 pm Operator: youminh
Sample : IC2080-0.2 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:15 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Manual Integration Approval Summary

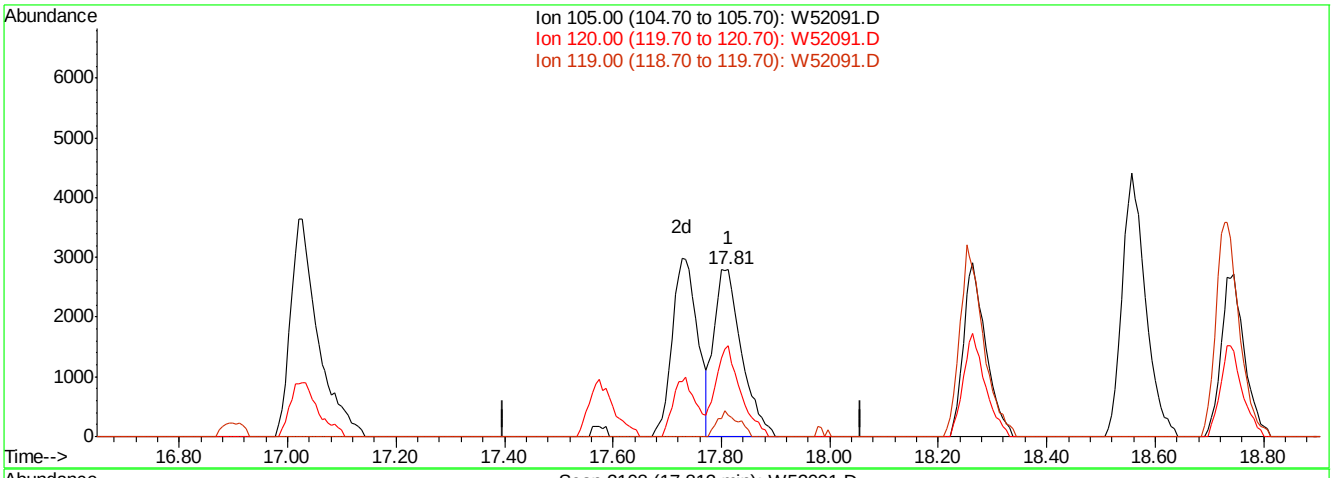
Sample Number:	VW2080-IC2080	**Method:**	TO-15
Lab FileID:	W52091.D	**Analyst approved:**	10/23/15 12:03 Youmin Hu
Injection Time:	10/22/15 12:56	**Supervisor approved:**	10/27/15 10:26 Dana Tryon

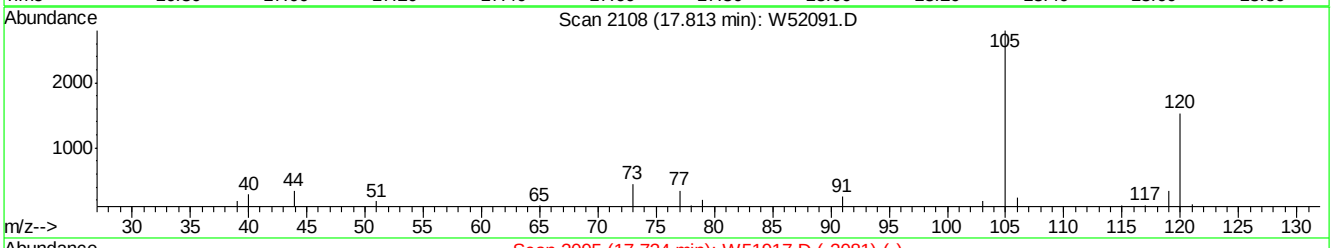
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Ethyltoluene	622-96-8		17.73	Missed peak

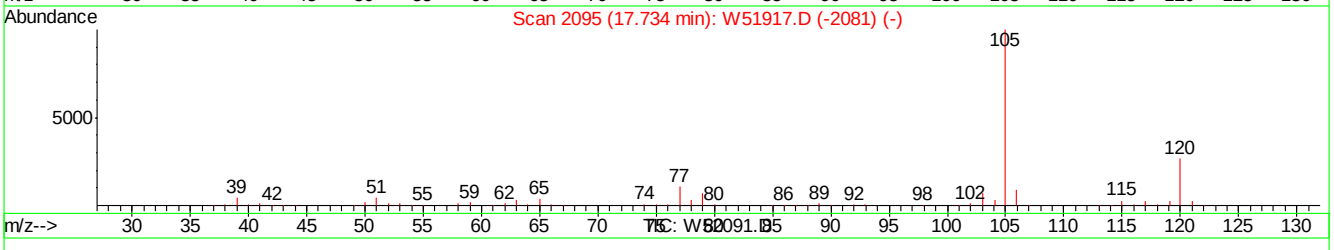
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52091.D Vial: 2
Acq On : 22 Oct 2015 12:56 pm Operator: youminh
Sample : IC2080-0.2 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Multiple Level Calibration







(89) 4-ETHYLTOLUENE

17.81min 0.21PPBV

response 9953

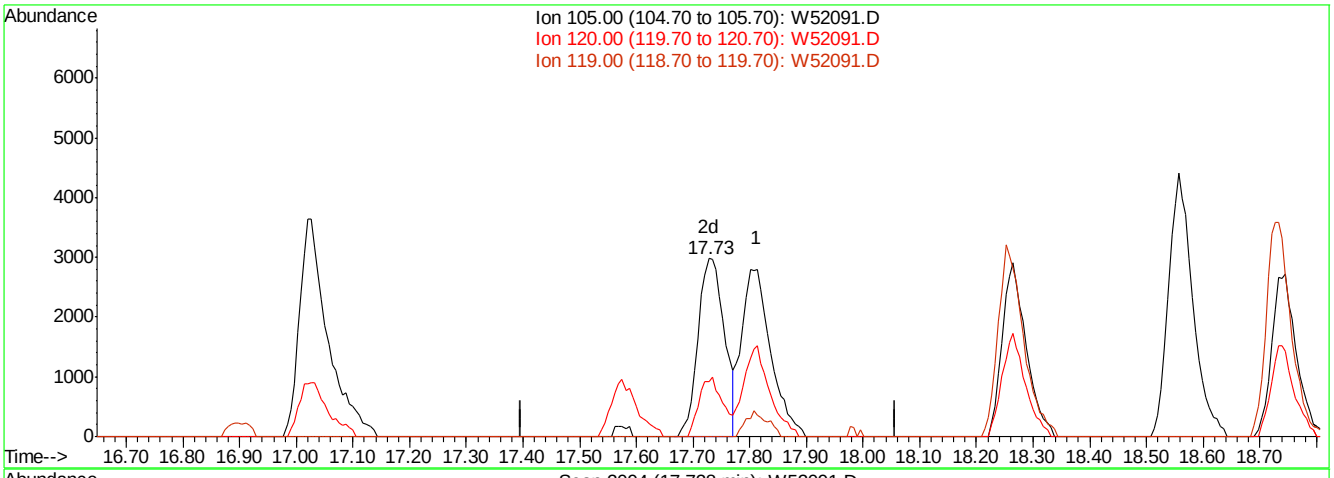
Ion	Exp%	Act%
105.00	100	100
120.00	28.60	48.25
119.00	2.30	11.23
0.00	0.00	0.00

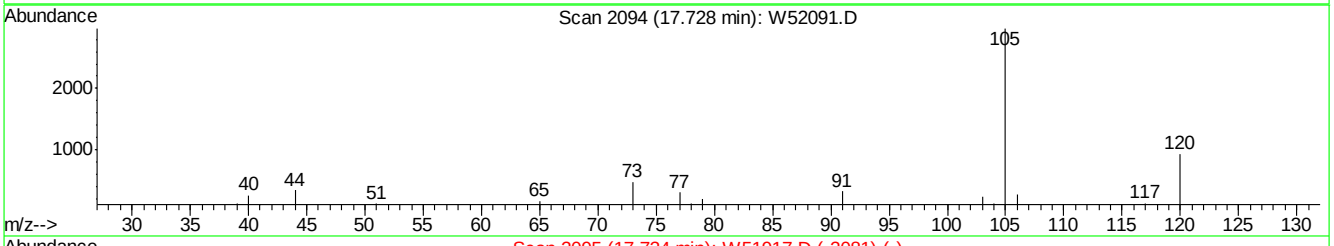
W52091.D MW2080.M Fri Oct 23 10:14:59 2015 MSW

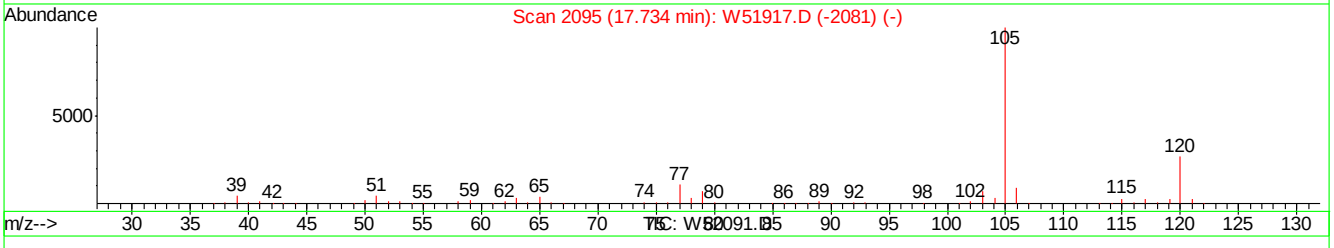
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52091.D Vial: 2
Acq On : 22 Oct 2015 12:56 pm Operator: youminh
Sample : IC2080-0.2 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:15 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Multiple Level Calibration







(89) 4-ETHYLTOLUENE

17.73min 0.20PPBV m

response 9507

Ion	Exp%	Act%
105.00	100	100
120.00	28.60	50.51#
119.00	2.30	11.76
0.00	0.00	0.00

W52091.D MW2080.M Fri Oct 23 10:15:37 2015 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52092.D Vial: 1
Acq On : 22 Oct 2015 1:37 pm Operator: youminh
Sample : IC2080-20 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:01 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	97542	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.02	114	499533	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.29	82	259509	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	290931	10.25	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.50%			
Target Compounds						Qvalue
3) FREON 152A	5.10	65	163692	19.16	PPBV	100
4) CHLORODIFLUOROMETHANE	5.14	67	55517	19.34	PPBV	99
5) DICHLORODIFLUOROMETHANE	5.24	85	590192	18.37	PPBV	100
6) PROPYLENE	5.17	41	215097	17.40	PPBV	99
7) FREON 114	5.48	85	643405	18.19	PPBV	99
9) CHLOROMETHANE	5.40	52	75863	19.64	PPBV	92
10) VINYL CHLORIDE	5.60	62	273150	19.02	PPBV	100
11) 1,3-BUTADIENE	5.72	54	219132	19.25	PPBV	100
12) n-BUTANE	5.77	58	60866	19.13	PPBV	98
13) BROMOMETHANE	5.97	94	219168	19.00	PPBV	100
14) CHLOROETHANE	6.12	64	147883	19.17	PPBV	99
15) DICHLOROFLUOROMETHANE	6.18	67	537951	18.83	PPBV	100
16) ACROLEIN	6.51	56	120867	19.94	PPBV	99
17) TRICHLOROFLUOROMETHANE	6.77	101	530304	18.29	PPBV	100
18) ISOPROPYL ALCOHOL	6.81	45	487566	18.26	PPBV	99
19) ACETONE	6.63	58	135796	18.88	PPBV	93
21) ACRYLONITRILE	7.01	53	219134	20.53	PPBV	99
22) PENTANE	7.07	57	72668	18.08	PPBV	95
23) IODOMETHANE	7.28	142	586977	18.99	PPBV	98
24) 1,1-DICHLOROETHYLENE	7.32	96	248195	17.52	PPBV	98
25) CARBON DISULFIDE	7.72	76	714502	18.11	PPBV	100
26) ETHANOL	6.20	45	108178	17.59	PPBV	99
27) ACETONITRILE	6.40	41	232075	18.92	PPBV	98
28) BROMOETHENE	6.42	106	218026	18.86	PPBV	100
29) METHYLENE CHLORIDE	7.41	84	219629	18.12	PPBV	97
30) 3-CHLOROPROPENE	7.52	76	126852	20.10	PPBV	98
31) FREON 113	7.63	151	392840	19.05	PPBV	98
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	253069	18.15	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.33	59	533726	18.86	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.44	73	714395	19.46	PPBV	99
35) TETRAHYDROFURAN	9.77	72	129982	20.87	PPBV	99
36) HEXANE	9.28	57	447652	19.15	PPBV	99
37) VINYL ACETATE	8.49	86	73243	21.56	PPBV	97
38) 1,1-DICHLOROETHANE	8.40	63	468470	19.54	PPBV	100
39) METHYL ETHYL KETONE	8.73	72	132913	21.52	PPBV	95
40) cis-1,2-DICHLOROETHYLENE	9.13	96	267246	18.40	PPBV	99
41) DI-ISOPROPYL ETHER	9.27	87	232338	20.19	PPBV	99
42) ETHYL ACETATE	9.28	61	94846	20.95	PPBV #	89
43) METHYL ACRYLATE	9.29	55	531840	21.02	PPBV	100
44) CHLOROFORM	9.39	83	489478	19.44	PPBV	100
45) 2,4-DIMETHYLPENTANE	10.08	57	518125	19.88	PPBV	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52092.D Vial: 1
Acq On : 22 Oct 2015 1:37 pm Operator: youminh
Sample : IC2080-20 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:01 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.30	97	477157	19.26	PPBV		100
47)	CARBON TETRACHLORIDE	10.86	117	489059	19.48	PPBV		100
48)	1,2-DICHLOROETHANE	10.06	62	300363	20.98	PPBV		100
50)	BENZENE	10.73	78	834245	19.65	PPBV		100
51)	CYCLOHEXANE	10.98	84	370946	17.89	PPBV		99
52)	2,3-DIMETHYLPENTANE	11.16	71	197961	20.73	PPBV		100
53)	TRICHLOROETHYLENE	11.70	95	352701	20.72	PPBV		99
54)	DIBROMOMETHANE	11.47	174	311122	20.91	PPBV		98
55)	1,2-DICHLOROPROPANE	11.48	63	312539	19.94	PPBV		100
56)	ETHYL ACRYLATE	11.42	55	608852	21.57	PPBV		100
57)	BROMODICHLOROMETHANE	11.66	83	559592	20.28	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	1446024	20.34	PPBV		99
59)	1,4-DIOXANE	11.70	88	171357	21.32	PPBV		94
60)	METHYL METHACRYLATE	11.84	69	316102	21.49	PPBV		99
61)	HEPTANE	11.93	43	504074	19.60	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.52	43	592012	21.23	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.51	75	512041	21.89	PPBV		100
64)	TOLUENE	13.48	92	603993	21.12	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	13.01	75	409998	21.96	PPBV		100
66)	1,1,2-TRICHLOROETHANE	13.20	83	276922	21.06	PPBV		99
68)	ETHYL METHACRYLATE	13.69	69	525818	20.34	PPBV		100
69)	2-HEXANONE	13.70	58	335533	20.69	PPBV		99
70)	TETRACHLOROETHYLENE	14.62	164	373809	19.17	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.92	129	553768	19.66	PPBV		99
72)	1,2-DIBROMOETHANE	14.17	107	477115	21.08	PPBV		100
73)	OCTANE	14.41	43	715798	19.01	PPBV		100
74)	1,1,1,2-TETRACHLOROETHANE	15.31	131	408947	19.96	PPBV	#	64
75)	CHLOROBENZENE	15.33	112	778260	19.53	PPBV		100
76)	ETHYLBENZENE	15.71	91	1221905	19.01	PPBV		100
77)	m,p-XYLENE	15.90	106	1004748	38.84	PPBV		99
78)	o-XYLENE	16.41	106	473014	20.33	PPBV		99
79)	STYRENE	16.29	104	770847	20.91	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.54	75	509087	19.11	PPBV		100
81)	NONANE	16.59	43	735340	20.39	PPBV		100
82)	BROMOFORM	16.02	173	536788	20.51	PPBV		99
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	708397	19.66	PPBV		99
85)	ISOPROPYLBENZENE	17.03	105	1385809	19.14	PPBV		100
86)	BROMOBENZENE	17.15	156	406759	20.29	PPBV		100
87)	2-CHLOROTOLUENE	17.55	126	324551	19.58	PPBV	#	87
88)	n-PROPYLBENZENE	17.58	120	373274	20.06	PPBV		98
89)	4-ETHYLTOLUENE	17.73	105	1189932	20.00	PPBV		98
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	1106326	19.22	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.98	118	524379	21.15	PPBV		100
92)	TERT-BUTYLBENZENE	18.26	134	268500	20.10	PPBV		99
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	1033613	19.94	PPBV		100
94)	m-DICHLOROBENZENE	18.45	146	608908	20.09	PPBV		100
95)	BENZYL CHLORIDE	18.43	91	807225	21.25	PPBV		100
96)	p-DICHLOROBENZENE	18.52	146	621249	19.51	PPBV		99
97)	SEC-BUTYLBENZENE	18.56	134	310199	19.69	PPBV		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52092.D Vial: 1
Acq On : 22 Oct 2015 1:37 pm Operator: youminh
Sample : IC2080-20 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:01 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

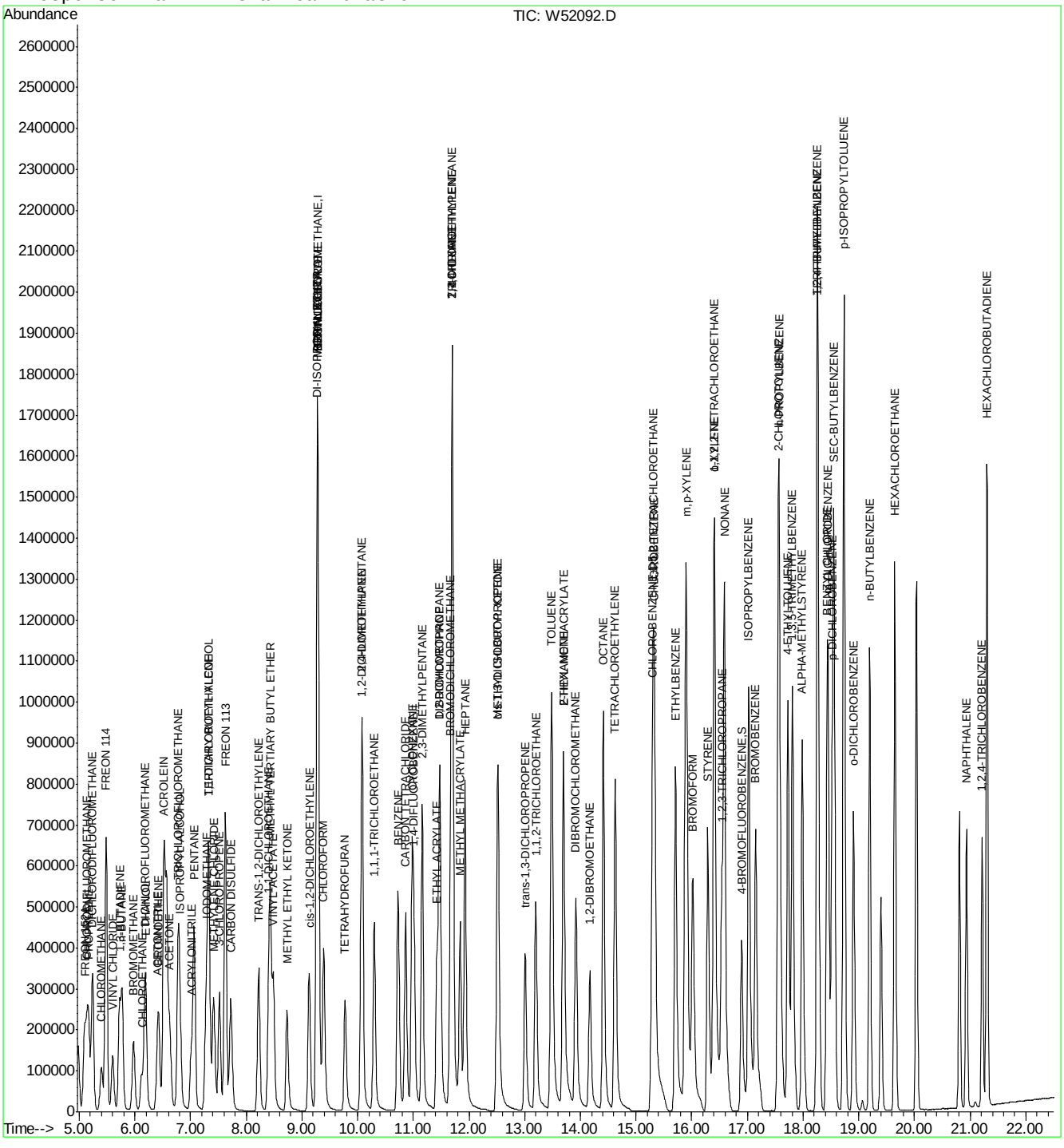
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	325307	19.88	PPBV	99
99)	o-DICHLOROBENZENE	18.90	146	554499	19.03	PPBV	100
100)	n-BUTYLBENZENE	19.20	134	278553	20.52	PPBV	99
101)	HEXACHLOROETHANE	19.65	201	391645	20.02	PPBV	100
102)	HEXACHLOROBUTADIENE	21.30	225	439444	20.37	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.21	180	312780	21.47	PPBV	100
104)	NAPHTHALENE	20.93	128	772662	22.95	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52092.D Vial: 1
Acq On : 22 Oct 2015 1:37 pm Operator: youminh
Sample : IC2080-20 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:15 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52093.D Vial: 1
Acq On : 22 Oct 2015 2:18 pm Operator: youminh
Sample : IC2080-15 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:04 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	101857	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	539504	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	265235	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	302583	10.43	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.30%			
Target Compounds						Qvalue
3) FREON 152A	5.09	65	130897	14.67	PPBV	100
4) CHLORODIFLUOROMETHANE	5.13	67	44363	14.80	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	474401	14.14	PPBV	100
6) PROPYLENE	5.17	41	168061	13.02	PPBV	99
7) FREON 114	5.48	85	529284	14.33	PPBV	100
9) CHLOROMETHANE	5.39	52	61314	15.20	PPBV	99
10) VINYL CHLORIDE	5.60	62	225019	15.00	PPBV	100
11) 1,3-BUTADIENE	5.72	54	177857	14.96	PPBV	99
12) n-BUTANE	5.77	58	49909	15.02	PPBV	98
13) BROMOMETHANE	5.97	94	182722	15.17	PPBV	99
14) CHLOROETHANE	6.12	64	120761	14.99	PPBV	99
15) DICHLOROFLUOROMETHANE	6.18	67	437176	14.66	PPBV	100
16) ACROLEIN	6.51	56	95891	15.15	PPBV	99
17) TRICHLOROFLUOROMETHANE	6.78	101	440327	14.55	PPBV	100
18) ISOPROPYL ALCOHOL	6.81	45	410542	14.72	PPBV	99
19) ACETONE	6.63	58	110841	14.76	PPBV	96
21) ACRYLONITRILE	7.01	53	172491	15.47	PPBV	99
22) PENTANE	7.06	57	59558	14.19	PPBV	98
23) IODOMETHANE	7.28	142	471817	14.62	PPBV	98
24) 1,1-DICHLOROETHYLENE	7.32	96	199887	13.51	PPBV	98
25) CARBON DISULFIDE	7.72	76	574739	13.95	PPBV	100
26) ETHANOL	6.20	45	90152	14.04	PPBV	98
27) ACETONITRILE	6.40	41	178412	13.93	PPBV	99
28) BROMOETHENE	6.42	106	188145	15.58	PPBV	100
29) METHYLENE CHLORIDE	7.41	84	173649	13.72	PPBV	97
30) 3-CHLOROPROPENE	7.52	76	101620	15.42	PPBV	99
31) FREON 113	7.62	151	324208	15.05	PPBV	100
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	202152	13.89	PPBV	100
33) TERTIARY BUTYL ALCOHOL	7.32	59	469891	15.90	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.43	73	579205	15.11	PPBV	100
35) TETRAHYDROFURAN	9.77	72	104829	16.11	PPBV	100
36) HEXANE	9.28	57	360152	14.76	PPBV	99
37) VINYL ACETATE	8.49	86	58521	16.49	PPBV	100
38) 1,1-DICHLOROETHANE	8.40	63	376614	15.05	PPBV	100
39) METHYL ETHYL KETONE	8.73	72	107421	16.66	PPBV	99
40) cis-1,2-DICHLOROETHYLENE	9.13	96	213685	14.09	PPBV	99
41) DI-ISOPROPYL ETHER	9.27	87	187382	15.60	PPBV	100
42) ETHYL ACETATE	9.28	61	76745	16.24	PPBV #	91
43) METHYL ACRYLATE	9.28	55	416897	15.78	PPBV	99
44) CHLOROFORM	9.39	83	392218	14.92	PPBV	99
45) 2,4-DIMETHYLPENTANE	10.08	57	414194	15.22	PPBV	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52093.D Vial: 1
Acq On : 22 Oct 2015 2:18 pm Operator: youminh
Sample : IC2080-15 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:04 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.30	97	386118	14.92	PPBV		100
47)	CARBON TETRACHLORIDE	10.86	117	393744	15.02	PPBV		100
48)	1,2-DICHLOROETHANE	10.06	62	235356	15.74	PPBV		100
50)	BENZENE	10.72	78	671562	14.65	PPBV		100
51)	CYCLOHEXANE	10.98	84	300083	13.40	PPBV		99
52)	2,3-DIMETHYLPENTANE	11.16	71	158156	15.34	PPBV		99
53)	TRICHLOROETHYLENE	11.69	95	273827	14.89	PPBV		100
54)	DIBROMOMETHANE	11.47	174	240626	14.98	PPBV		99
55)	1,2-DICHLOROPROPANE	11.48	63	251827	14.88	PPBV		99
56)	ETHYL ACRYLATE	11.42	55	481871	15.80	PPBV		100
57)	BROMODICHLOROMETHANE	11.66	83	439960	14.76	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	1132415	14.75	PPBV		100
59)	1,4-DIOXANE	11.70	88	147057	16.94	PPBV		94
60)	METHYL METHACRYLATE	11.84	69	249447	15.70	PPBV		99
61)	HEPTANE	11.93	43	395773	14.25	PPBV		100
62)	METHYL ISOBUTYL KETONE	12.52	43	468980	15.57	PPBV		100
63)	cis-1,3-DICHLOROPROPENE	12.51	75	391920	15.52	PPBV		100
64)	TOLUENE	13.48	92	476429	15.42	PPBV		100
65)	trans-1,3-DICHLOROPROPENE	13.01	75	309474	15.35	PPBV		100
66)	1,1,2-TRICHLOROETHANE	13.20	83	217149	15.29	PPBV		99
68)	ETHYL METHACRYLATE	13.69	69	415336	15.72	PPBV		100
69)	2-HEXANONE	13.70	58	267356	16.13	PPBV		98
70)	TETRACHLOROETHYLENE	14.62	164	293695	14.74	PPBV		100
71)	DIBROMOCHLOROMETHANE	13.92	129	430122	14.94	PPBV		100
72)	1,2-DIBROMOETHANE	14.17	107	358885	15.51	PPBV		100
73)	OCTANE	14.41	43	553806	14.39	PPBV		100
74)	1,1,1,2-TETRACHLOROETHANE	15.31	131	321031	15.33	PPBV	#	72
75)	CHLOROBENZENE	15.33	112	603662	14.82	PPBV		100
76)	ETHYLBENZENE	15.71	91	963620	14.67	PPBV		100
77)	m,p-XYLENE	15.90	106	788316	29.82	PPBV		99
78)	o-XYLENE	16.40	106	367343	15.45	PPBV		99
79)	STYRENE	16.29	104	598219	15.87	PPBV		100
80)	1,2,3-TRICHLOROPROPANE	16.54	75	394624	14.50	PPBV		100
81)	NONANE	16.59	43	568682	15.43	PPBV		100
82)	BROMOFORM	16.02	173	414947	15.51	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	549946	14.94	PPBV		99
85)	ISOPROPYLBENZENE	17.02	105	1082991	14.64	PPBV		100
86)	BROMOBENZENE	17.15	156	314636	15.36	PPBV		100
87)	2-CHLOROTOLUENE	17.55	126	252120	14.88	PPBV	#	92
88)	n-PROPYLBENZENE	17.57	120	290369	15.27	PPBV		99
89)	4-ETHYLTOLUENE	17.73	105	932658	15.34	PPBV		98
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	864876	14.70	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.98	118	406064	16.02	PPBV		100
92)	TERT-BUTYLBENZENE	18.25	134	208100	15.24	PPBV		99
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	803275	15.16	PPBV		100
94)	m-DICHLOROBENZENE	18.45	146	471530	15.23	PPBV		100
95)	BENZYL CHLORIDE	18.42	91	616513	15.88	PPBV		100
96)	p-DICHLOROBENZENE	18.52	146	479340	14.73	PPBV		100
97)	SEC-BUTYLBENZENE	18.56	134	242054	15.04	PPBV		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52093.D Vial: 1
Acq On : 22 Oct 2015 2:18 pm Operator: youminh
Sample : IC2080-15 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:04 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

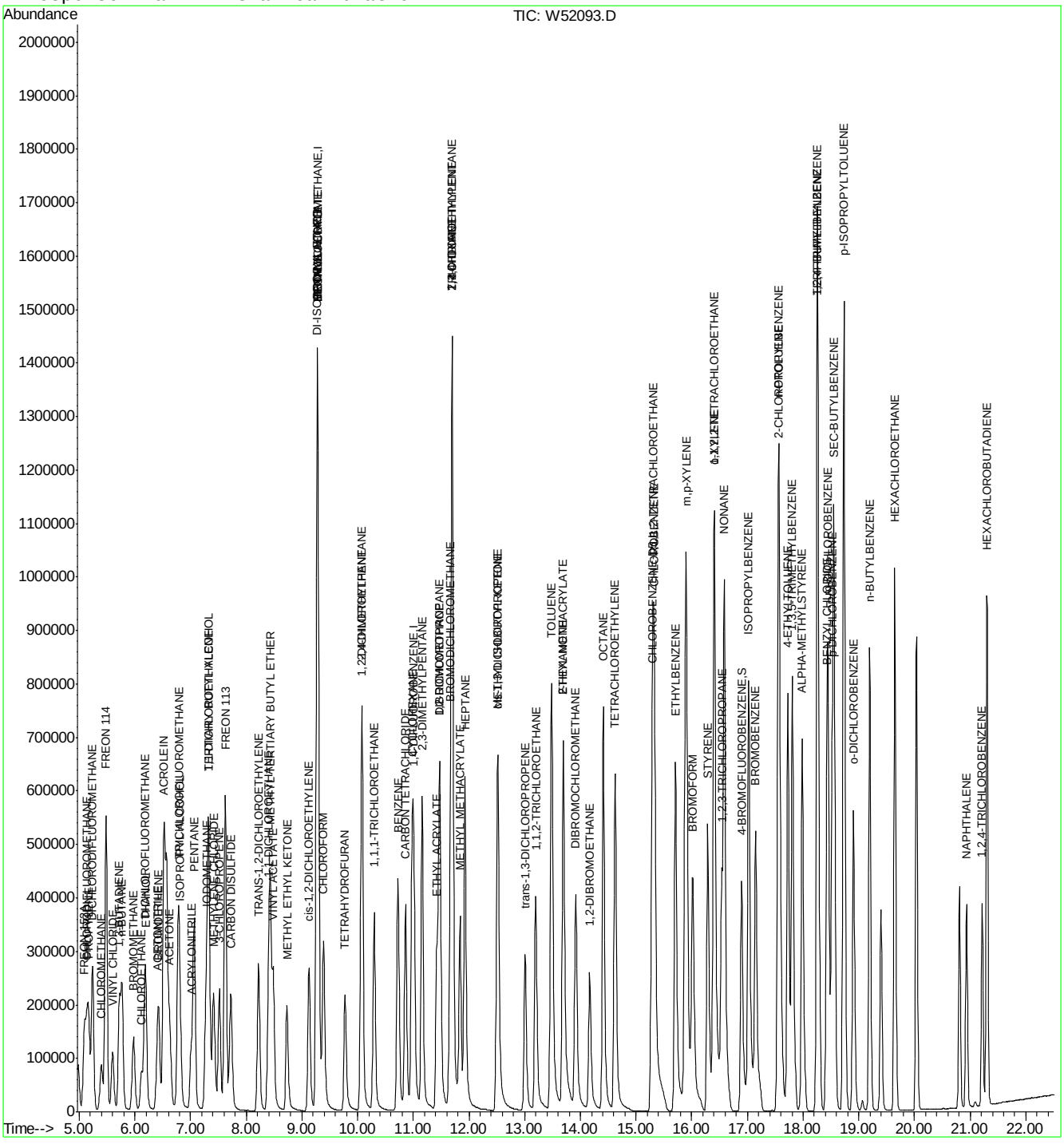
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	253015	15.13	PPBV	100
99)	o-DICHLOROBENZENE	18.90	146	430101	14.45	PPBV	100
100)	n-BUTYLBENZENE	19.20	134	214869	15.48	PPBV	99
101)	HEXACHLOROETHANE	19.65	201	301556	15.08	PPBV	100
102)	HEXACHLOROBUTADIENE	21.31	225	275465	12.49	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.21	180	186072	12.50	PPBV	99
104)	NAPHTHALENE	20.93	128	447033	12.99	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52093.D Vial: 1
Acq On : 22 Oct 2015 2:18 pm Operator: youminh
Sample : IC2080-15 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:16 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



W52095.D

Manual Integrations APPROVED (compounds with "m" flag)

Dana Tryon 10/27/15 10:26

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52095.D Vial: 3
Acq On : 22 Oct 2015 3:40 pm Operator: youminh
Sample : IC2080-0.1 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:08 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	96518	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	501287	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	217073	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.90	95	228536	9.63	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 96.30%			
Target Compounds						Qvalue
3) FREON 152A	5.10	65	804	0.10	PPBV #	60
5) DICHLORODIFLUOROMETHANE	5.24	85	3507	0.11	PPBV	95
6) PROPYLENE	5.17	41	1527	0.12	PPBV	92
7) FREON 114	5.47	85	3999	0.11	PPBV	97
9) CHLOROMETHANE	5.40	52	307	0.08	PPBV #	28
10) VINYL CHLORIDE	5.60	62	1550	0.11	PPBV #	84
11) 1,3-BUTADIENE	5.74	54	1230	0.11	PPBV #	37
13) BROMOMETHANE	5.98	94	1199	0.11	PPBV #	69
14) CHLOROETHANE	6.13	64	704	0.09	PPBV #	42
15) DICHLOROFLUOROMETHANE	6.19	67	3151	0.11	PPBV #	91
16) ACROLEIN	6.52	56	573	0.10	PPBV	85
17) TRICHLOROFLUOROMETHANE	6.78	101	3284	0.11	PPBV	98
18) ISOPROPYL ALCOHOL	6.85	45	3134	0.12	PPBV	66
19) ACETONE	6.66	58	887	0.12	PPBV #	1
21) ACRYLONITRILE	7.04	53	956	0.09	PPBV #	82
22) PENTANE	7.07	57	454	0.11	PPBV #	50
23) IODOMETHANE	7.28	142	3191	0.10	PPBV	95
24) 1,1-DICHLOROETHYLENE	7.33	96	1706	0.12	PPBV #	76
28) BROMOETHENE	6.43	106	1191	0.10	PPBV #	94
29) METHYLENE CHLORIDE	7.41	84	1386	0.12	PPBV	93
30) 3-CHLOROPROPENE	7.52	76	510	0.08	PPBV #	32
31) FREON 113	7.63	151	2241	0.11	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	1611	0.12	PPBV #	78
33) TERTIARY BUTYL ALCOHOL	7.36	59	3273	0.12	PPBV	93
34) METHYL TERTIARY BUTYL ETHE	8.47	73	4122	0.11	PPBV	91
36) HEXANE	9.29	57	2513	0.11	PPBV	98
38) 1,1-DICHLOROETHANE	8.40	63	2443	0.10	PPBV	90
40) cis-1,2-DICHLOROETHYLENE	9.14	96	1663	0.12	PPBV #	79
41) DI-ISOPROPYL ETHER	9.28	87	1062	0.09	PPBV #	69
43) METHYL ACRYLATE	9.30	55	2162	0.09	PPBV #	76
44) CHLOROFORM	9.39	83	2704	0.11	PPBV #	86
45) 2,4-DIMETHYLPENTANE	10.08	57	2662	0.10	PPBV	92
46) 1,1,1-TRICHLOROETHANE	10.30	97	2601	0.11	PPBV	96
47) CARBON TETRACHLORIDE	10.87	117	2614	0.11	PPBV	97
48) 1,2-DICHLOROETHANE	10.06	62	1315	0.09	PPBV #	71
50) BENZENE	10.73	78	4564	0.11	PPBV	92
51) CYCLOHEXANE	10.99	84	2329	0.11	PPBV #	1
52) 2,3-DIMETHYLPENTANE	11.16	71	896	0.09	PPBV #	52
53) TRICHLOROETHYLENE	11.69	95	1657	0.10	PPBV	95
54) DIBROMOMETHANE	11.47	174	1530	0.10	PPBV	98
55) 1,2-DICHLOROPROPANE	11.49	63	1587	0.10	PPBV	77

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52095.D Vial: 3
Acq On : 22 Oct 2015 3:40 pm Operator: youminh
Sample : IC2080-0.1 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:08 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

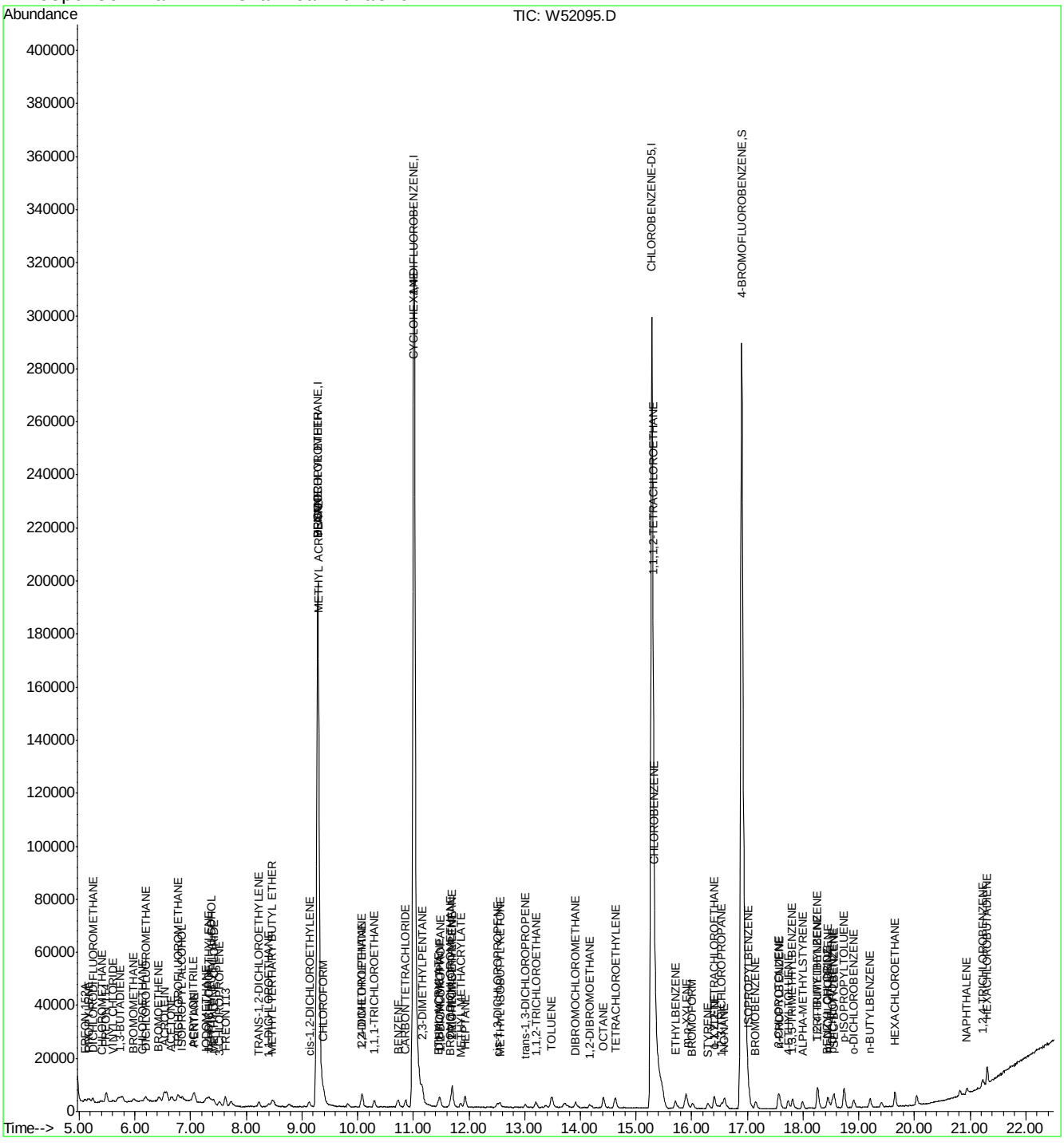
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
56)	ETHYL ACRYLATE	11.44	55	2239	0.08	PPBV	#	62
57)	BROMODICHLOROMETHANE	11.66	83	2735	0.10	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	7405	0.10	PPBV		99
60)	METHYL METHACRYLATE	11.84	69	1152	0.08	PPBV	#	75
61)	HEPTANE	11.93	43	2821	0.11	PPBV		91
62)	METHYL ISOBUTYL KETONE	12.55	43	2478	0.09	PPBV		75
63)	cis-1,3-DICHLOROPROPENE	12.50	75	2061	0.09	PPBV		93
64)	TOLUENE	13.48	92	2701	0.09	PPBV		89
65)	trans-1,3-DICHLOROPROPENE	13.01	75	1452	0.08	PPBV		92
66)	1,1,2-TRICHLOROETHANE	13.20	83	1092	0.08	PPBV		95
70)	TETRACHLOROETHYLENE	14.62	164	1692	0.10	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.91	129	2452	0.10	PPBV		91
72)	1,2-DIBROMOETHANE	14.17	107	1758	0.09	PPBV	#	97
73)	OCTANE	14.42	43	3466	0.11	PPBV		90
74)	1,1,1,2-TETRACHLOROETHANE	15.31	131	1752	0.10	PPBV	#	1
75)	CHLOROBENZENE	15.34	112	3563	0.11	PPBV	#	48
76)	ETHYLBENZENE	15.71	91	6161	0.11	PPBV		89
77)	m,p-XYLENE	15.89	106	4750	0.22	PPBV		92
78)	o-XYLENE	16.41	106	2018	0.10	PPBV	#	81
79)	STYRENE	16.29	104	2962	0.10	PPBV		97
80)	1,2,3-TRICHLOROPROPANE	16.54	75	2506	0.11	PPBV	#	78
81)	NONANE	16.58	43	3149	0.10	PPBV	#	83
82)	BROMOFORM	16.01	173	2177	0.10	PPBV	#	85
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	3331	0.11	PPBV	#	91
85)	ISOPROPYLBENZENE	17.02	105	6906	0.11	PPBV		95
86)	BROMOBENZENE	17.15	156	1718	0.10	PPBV		88
87)	2-CHLOROTOLUENE	17.56	126	1353	0.10	PPBV	#	90
88)	n-PROPYLBENZENE	17.58	120	1434	0.09	PPBV	#	59
89)	4-ETHYLTOLUENE	17.73	105	5018m	0.10	PPBV		
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	5377	0.11	PPBV		93
91)	ALPHA-METHYLSTYRENE	17.99	118	2061	0.10	PPBV		94
92)	TERT-BUTYLBENZENE	18.26	134	1094	0.10	PPBV		85
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	4555	0.11	PPBV		98
94)	m-DICHLOROBENZENE	18.45	146	2709	0.11	PPBV		94
95)	BENZYL CHLORIDE	18.43	91	3326	0.10	PPBV		84
96)	p-DICHLOROBENZENE	18.52	146	2932	0.11	PPBV		96
97)	SEC-BUTYLBENZENE	18.56	134	1344	0.10	PPBV		92
98)	p-ISOPROPYLTOLUENE	18.73	134	1401	0.10	PPBV		92
99)	o-DICHLOROBENZENE	18.91	146	2816	0.12	PPBV		98
100)	n-BUTYLBENZENE	19.20	134	1020	0.09	PPBV		77
101)	HEXACHLOROETHANE	19.65	201	1759	0.11	PPBV		89
102)	HEXACHLOROBUTADIENE	21.31	225	2186	0.12	PPBV		95
103)	1,2,4-TRICHLOROBENZENE	21.23	180	1694	0.14	PPBV		95
104)	NAPHTHALENE	20.94	128	3406	0.12	PPBV		87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52095.D Vial: 3
Acq On : 22 Oct 2015 3:40 pm Operator: youminh
Sample : IC2080-0.1 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:19 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Manual Integration Approval Summary

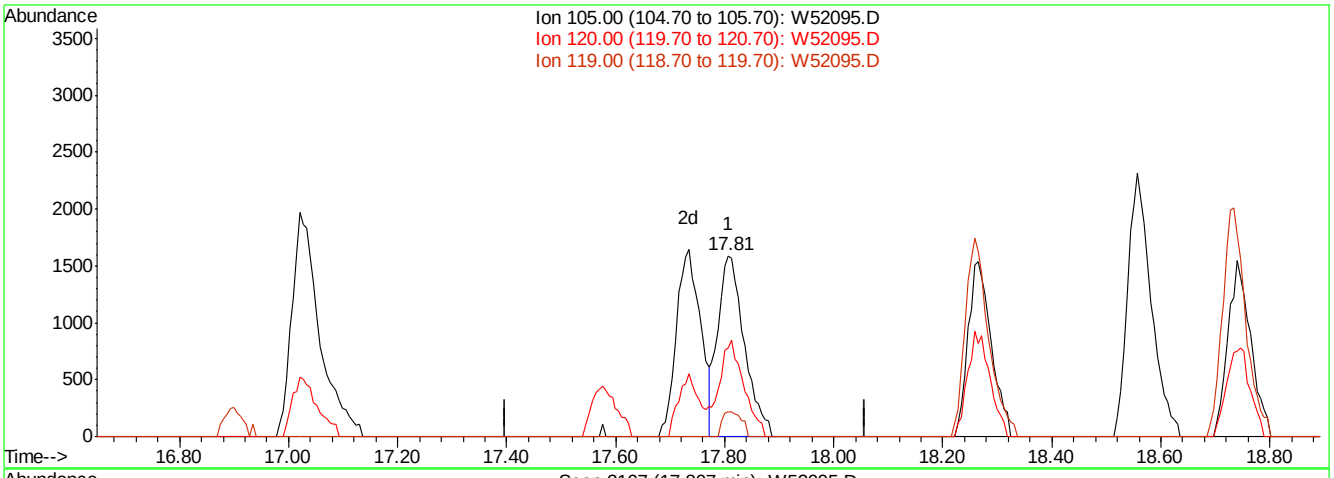
Sample Number:	VW2080-IC2080	**Method:**	TO-15
Lab FileID:	W52095.D	**Analyst approved:**	10/23/15 12:03 Youmin Hu
Injection Time:	10/22/15 15:40	**Supervisor approved:**	10/27/15 10:26 Dana Tryon

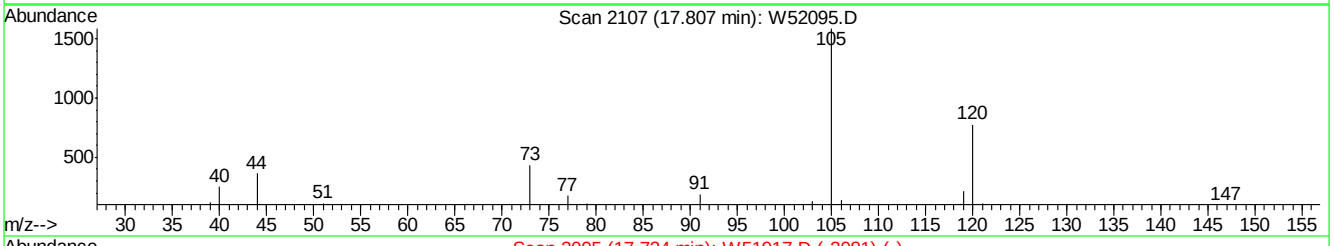
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Ethyltoluene	622-96-8		17.73	Missed peak

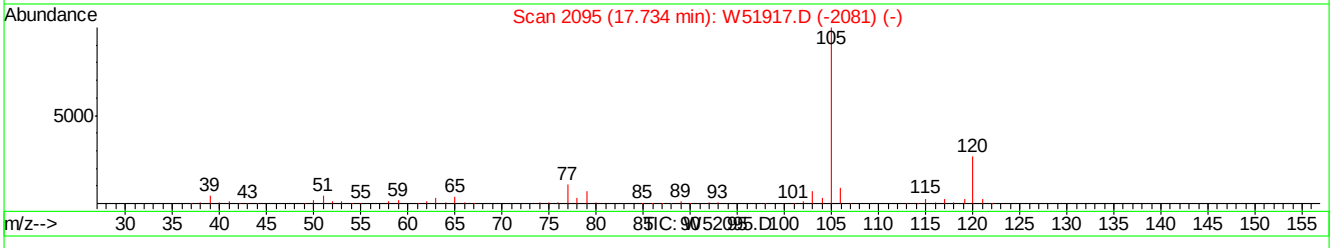
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52095.D Vial: 3
Acq On : 22 Oct 2015 3:40 pm Operator: youminh
Sample : IC2080-0.1 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:18 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Multiple Level Calibration







(89) 4-ETHYLTOLUENE

17.81min 0.11PPBV

response 5377

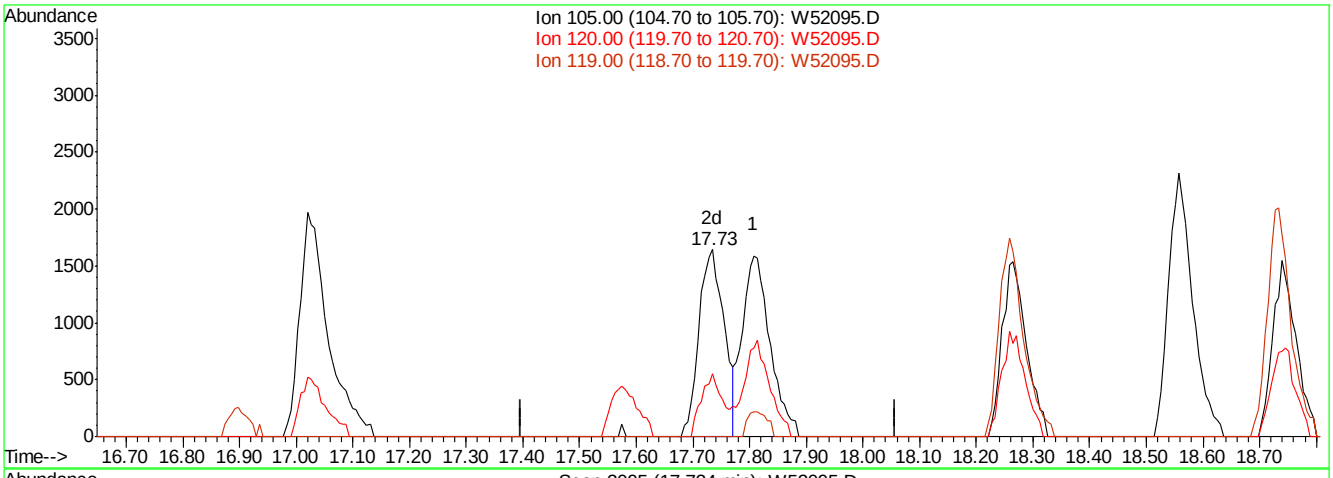
Ion	Exp%	Act%
105.00	100	100
120.00	28.60	46.72
119.00	2.30	9.78
0.00	0.00	0.00

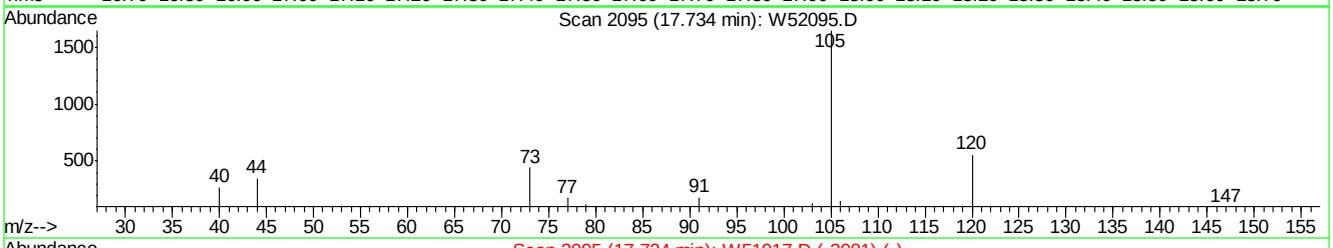
W52095.D MW2080.M Fri Oct 23 10:19:03 2015 MSW

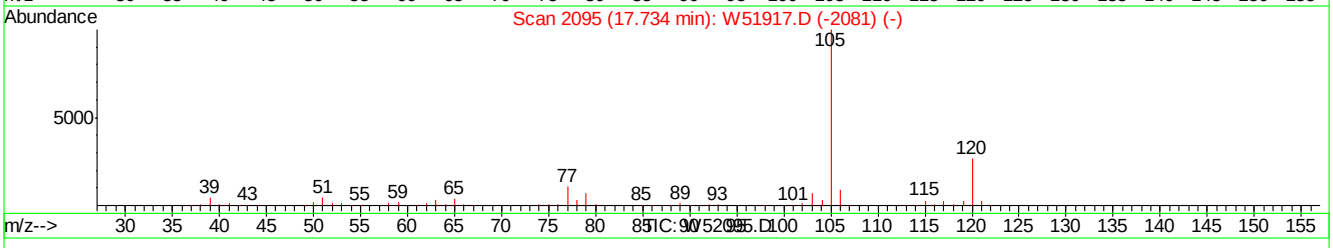
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52095.D Vial: 3
Acq On : 22 Oct 2015 3:40 pm Operator: youminh
Sample : IC2080-0.1 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:19 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Multiple Level Calibration







(89) 4-ETHYLTOLUENE

17.73min 0.10PPBV m

response 5018

Ion	Exp%	Act%
105.00	100	100
120.00	28.60	50.06#
119.00	2.30	10.48
0.00	0.00	0.00

W52095.D MW2080.M Fri Oct 23 10:19:21 2015 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon 10/27/15 10:26

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52096.D Vial: 3
Acq On : 22 Oct 2015 4:21 pm Operator: youminh
Sample : IC2080-0.04 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:11 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	97020	10.00	PPBV	0.02
49) 1,4-DIFLUOROBENZENE	11.02	114	490777	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	214758	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.90	95	223970	9.54	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 95.40%			
Target Compounds						Qvalue
5) DICHLORODIFLUOROMETHANE	5.25	85	1344	0.04	PPBV #	82
6) PROPYLENE	5.19	41	649	0.05	PPBV	98
7) FREON 114	5.50	85	1392	0.04	PPBV	96
10) VINYL CHLORIDE	5.62	62	457	0.03	PPBV #	50
11) 1,3-BUTADIENE	5.74	54	348	0.03	PPBV #	22
13) BROMOMETHANE	6.00	94	343	0.03	PPBV #	48
15) DICHLOROFLUOROMETHANE	6.20	67	1084	0.04	PPBV #	77
17) TRICHLOROFLUOROMETHANE	6.80	101	1096	0.04	PPBV #	95
18) ISOPROPYL ALCOHOL	6.89	45	1148	0.04	PPBV #	48
19) ACETONE	6.69	58	284	0.04	PPBV #	1
23) IODOMETHANE	7.30	142	1152	0.04	PPBV #	82
24) 1,1-DICHLOROETHYLENE	7.34	96	676	0.05	PPBV #	52
28) BROMOETHENE	6.45	106	351	0.03	PPBV #	62
29) METHYLENE CHLORIDE	7.43	84	423	0.04	PPBV #	75
31) FREON 113	7.64	151	715	0.03	PPBV	95
32) TRANS-1,2-DICHLOROETHYLENE	8.23	96	659	0.05	PPBV #	48
33) TERTIARY BUTYL ALCOHOL	7.42	59	907	0.03	PPBV #	68
34) METHYL TERTIARY BUTYL ETHE	8.49	73	1308	0.04	PPBV #	57
36) HEXANE	9.30	57	938	0.04	PPBV	94
38) 1,1-DICHLOROETHANE	8.41	63	825	0.03	PPBV #	57
40) cis-1,2-DICHLOROETHYLENE	9.14	96	600	0.04	PPBV #	55
44) CHLOROFORM	9.39	83	860	0.03	PPBV #	87
45) 2,4-DIMETHYLPENTANE	10.09	57	878	0.03	PPBV #	82
46) 1,1,1-TRICHLOROETHANE	10.31	97	913	0.04	PPBV	83
47) CARBON TETRACHLORIDE	10.87	117	907	0.04	PPBV #	89
48) 1,2-DICHLOROETHANE	10.06	62	397	0.03	PPBV #	50
50) BENZENE	10.73	78	1559	0.04	PPBV	73
52) 2,3-DIMETHYLPENTANE	11.17	71	273	0.03	PPBV #	1
53) TRICHLOROETHYLENE	11.71	95	521	0.03	PPBV	92
54) DIBROMOMETHANE	11.47	174	403	0.03	PPBV #	85
55) 1,2-DICHLOROPROPANE	11.49	63	563	0.04	PPBV #	41
57) BROMODICHLOROMETHANE	11.67	83	915	0.03	PPBV	85
58) 2,2,4-TRIMETHYLPENTANE	11.70	57	2452	0.04	PPBV #	94
61) HEPTANE	11.93	43	951	0.04	PPBV #	79
63) cis-1,3-DICHLOROPROPENE	12.52	75	663	0.03	PPBV #	64
64) TOLUENE	13.48	92	879	0.03	PPBV #	84
70) TETRACHLOROETHYLENE	14.63	164	510	0.03	PPBV #	81
71) DIBROMOCHLOROMETHANE	13.92	129	729	0.03	PPBV #	81
72) 1,2-DIBROMOETHANE	14.19	107	507	0.03	PPBV #	96
73) OCTANE	14.41	43	1206	0.04	PPBV #	72
74) 1,1,1,2-TETRACHLOROETHANE	15.30	131	447	0.03	PPBV #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52096.D Vial: 3
Acq On : 22 Oct 2015 4:21 pm Operator: youminh
Sample : IC2080-0.04 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:11 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

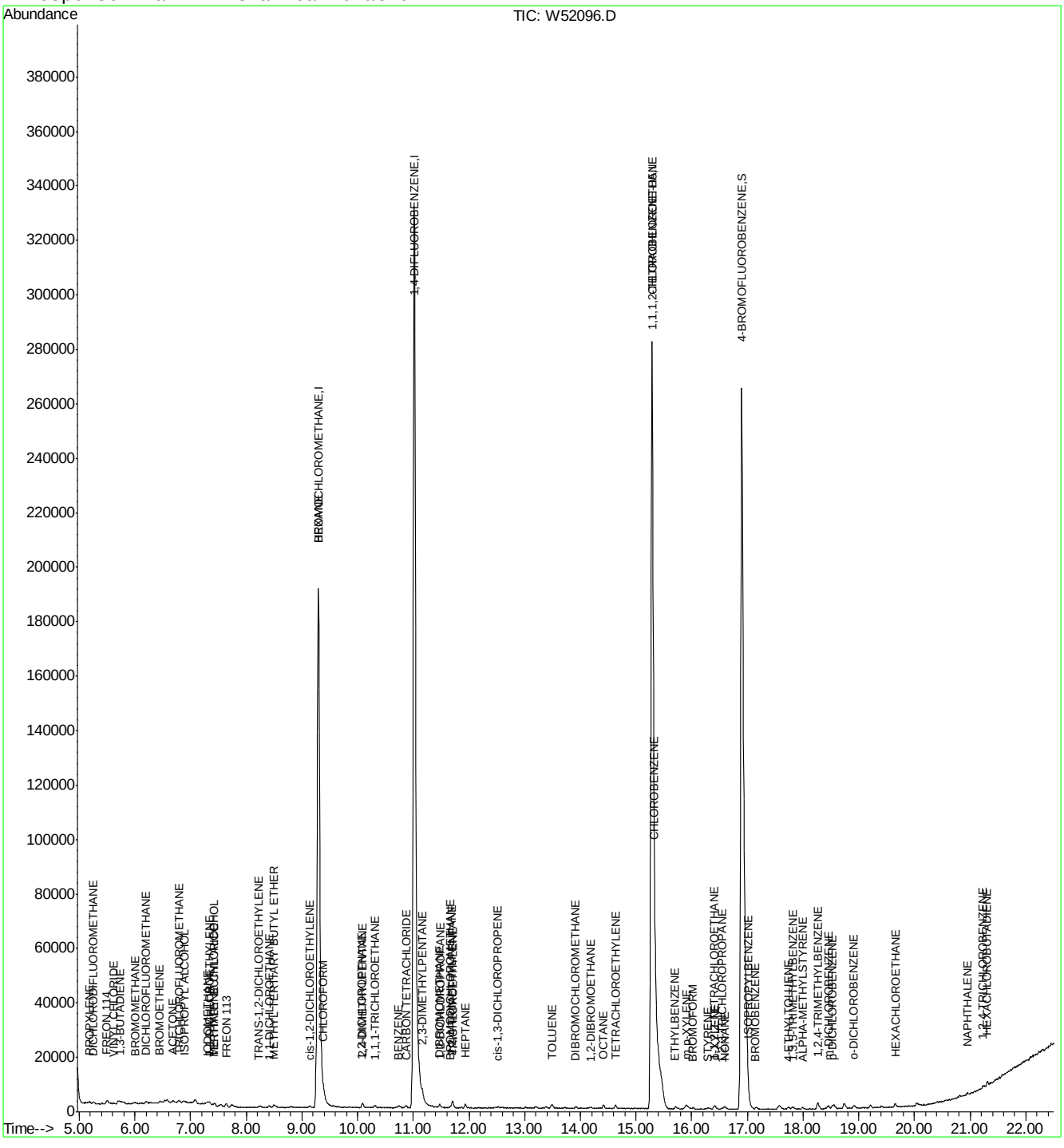
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
75)	CHLOROBENZENE	15.34	112	1075	0.03	PPBV	#	40
76)	ETHYLBENZENE	15.70	91	1885m	0.04	PPBV		
77)	m,p-XYLENE	15.90	106	1402	0.07	PPBV		95
78)	o-XYLENE	16.42	106	491	0.03	PPBV	#	42
79)	STYRENE	16.29	104	840	0.03	PPBV		75
80)	1,2,3-TRICHLOROPROPANE	16.55	75	780	0.04	PPBV	#	43
81)	NONANE	16.58	43	924	0.03	PPBV	#	54
82)	BROMOFORM	16.02	173	585	0.03	PPBV	#	55
84)	1,1,2,2-TETRACHLOROETHANE	16.41	83	971	0.03	PPBV	#	91
85)	ISOPROPYLBENZENE	17.03	105	2217	0.04	PPBV		81
86)	BROMOBENZENE	17.15	156	485	0.03	PPBV		85
89)	4-ETHYLTOLUENE	17.73	105	1716	0.03	PPBV	#	90
90)	1,3,5-TRIMETHYLBENZENE	17.82	105	1803	0.04	PPBV	#	90
91)	ALPHA-METHYLSTYRENE	18.00	118	583	0.03	PPBV	#	79
93)	1,2,4-TRIMETHYLBENZENE	18.27	105	1573	0.04	PPBV		94
94)	m-DICHLOROBENZENE	18.46	146	1001m	0.04	PPBV		
96)	p-DICHLOROBENZENE	18.52	146	1009	0.04	PPBV		85
99)	o-DICHLOROBENZENE	18.91	146	964	0.04	PPBV	#	85
101)	HEXACHLOROETHANE	19.66	201	435	0.03	PPBV	#	49
102)	HEXACHLOROBUTADIENE	21.31	225	712	0.04	PPBV		96
103)	1,2,4-TRICHLOROBENZENE	21.23	180	521	0.04	PPBV	#	82
104)	NAPHTHALENE	20.96	128	1067	0.04	PPBV	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52096.D Vial: 3
Acq On : 22 Oct 2015 4:21 pm Operator: youminh
Sample : IC2080-0.04 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:29 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Manual Integration Approval Summary

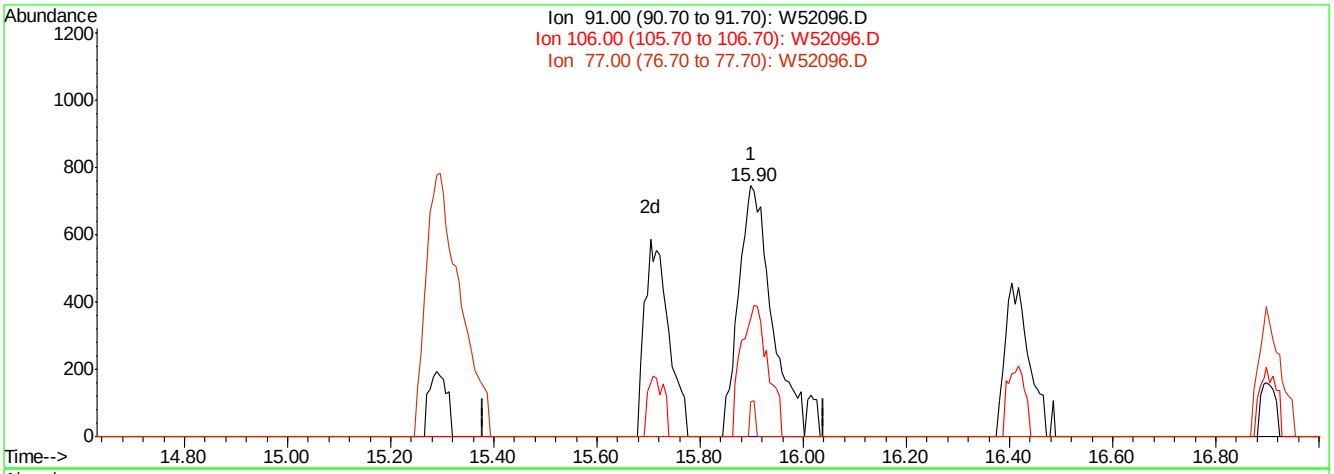
Sample Number:	VW2080-IC2080	**Method:**	TO-15
Lab FileID:	W52096.D	**Analyst approved:**	10/23/15 12:03 Youmin Hu
Injection Time:	10/22/15 16:21	**Supervisor approved:**	10/27/15 10:26 Dana Tryon

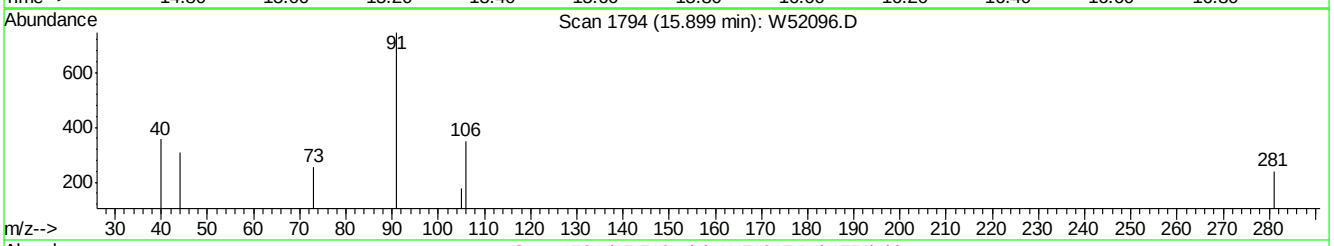
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethylbenzene	100-41-4		15.70	Missed peak
m-Dichlorobenzene	541-73-1		18.46	Missed peak

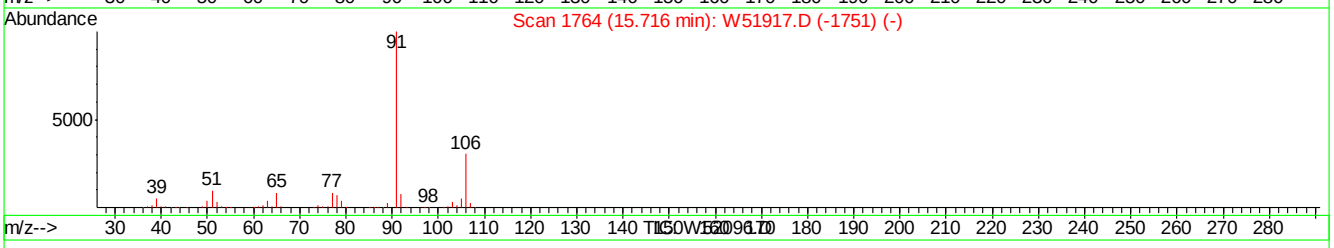
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52096.D Vial: 3
Acq On : 22 Oct 2015 4:21 pm Operator: youminh
Sample : IC2080-0.04 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:21 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Multiple Level Calibration







(76) ETHYLBENZENE

15.90min 0.06PPBV

response 3344

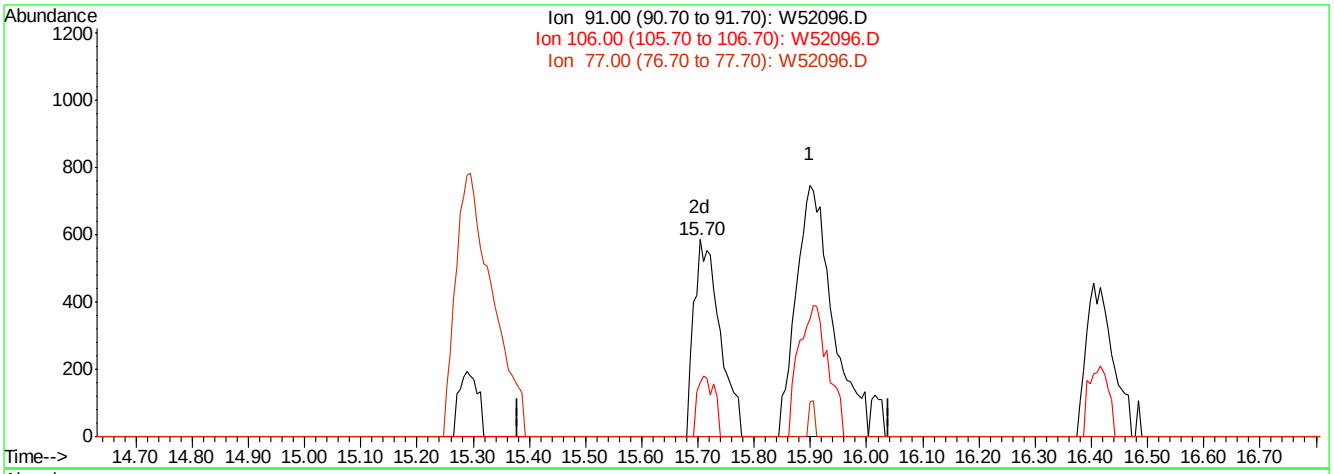
Ion	Exp%	Act%
91.00	100	100
106.00	31.20	41.93
77.00	8.10	2.33
0.00	0.00	0.00

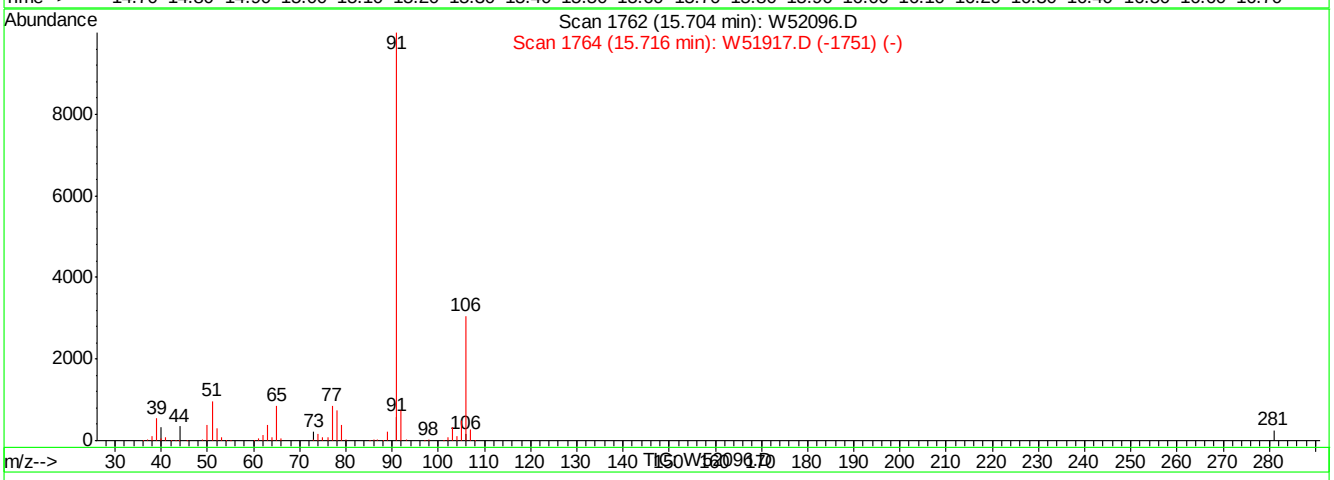
W52096.D MW2080.M Fri Oct 23 10:21:38 2015 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52096.D Vial: 3
Acq On : 22 Oct 2015 4:21 pm Operator: youminh
Sample : IC2080-0.04 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:21 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Multiple Level Calibration





(76) ETHYLBENZENE

15.70min 0.04PPBV m

response 1885

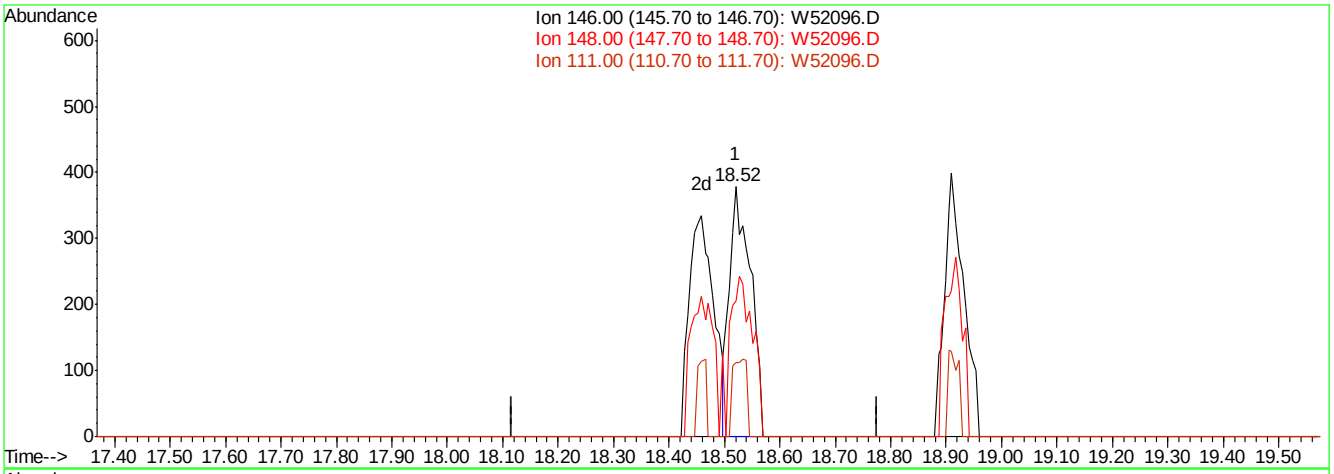
Ion	Exp%	Act%
91.00	100	100
106.00	31.20	74.38#
77.00	8.10	4.14
0.00	0.00	0.00

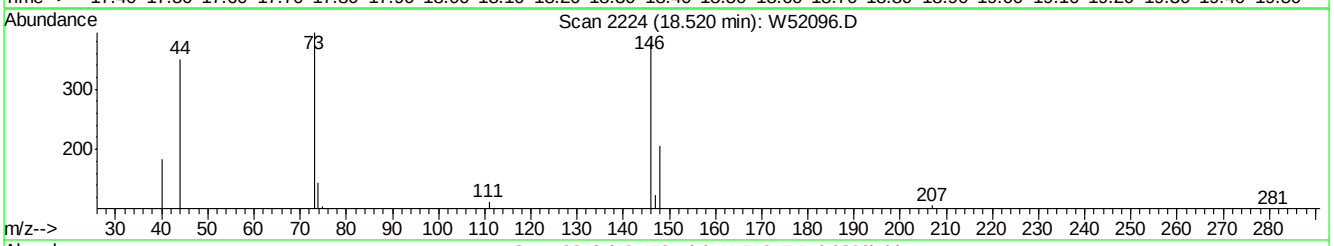
W52096.D MW2080.M Fri Oct 23 10:21:52 2015 MSW

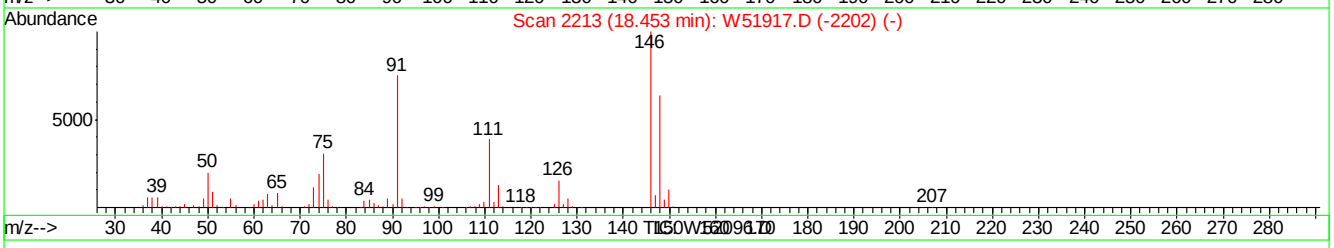
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52096.D Vial: 3
Acq On : 22 Oct 2015 4:21 pm Operator: youminh
Sample : IC2080-0.04 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:22 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:25:33 2015
Response via : Multiple Level Calibration







(94) m-DICHLOROBENZENE

18.52min 0.04PPBV

response 1009

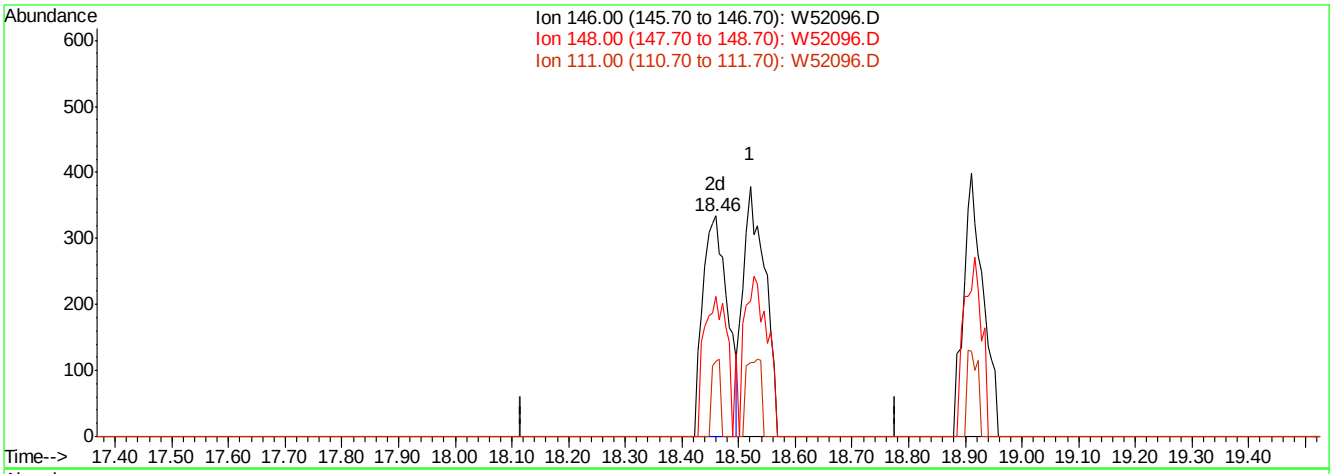
Ion	Exp%	Act%
146.00	100	100
148.00	64.00	70.37
111.00	37.60	20.42
0.00	0.00	0.00

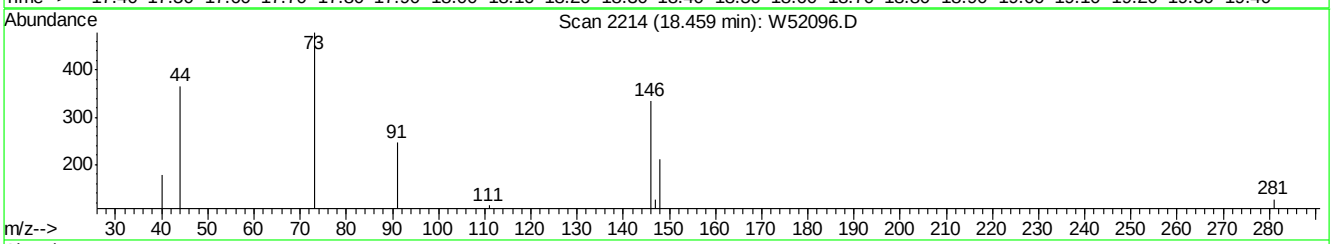
W52096.D MW2080.M Fri Oct 23 10:29:30 2015 MSW

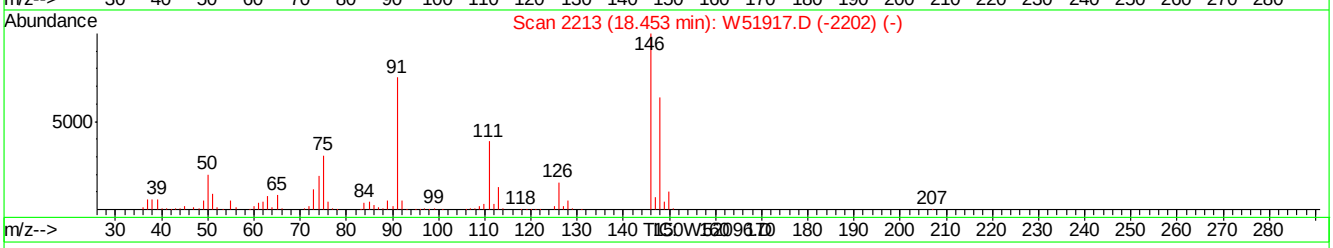
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52096.D Vial: 3
Acq On : 22 Oct 2015 4:21 pm Operator: youminh
Sample : IC2080-0.04 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:29 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Multiple Level Calibration







(94) m-DICHLOROBENZENE

18.46min 0.04PPBV m

response 1001

Ion	Exp%	Act%
146.00	100	100
148.00	64.00	70.93
111.00	37.60	20.58
0.00	0.00	0.00

W52096.D MW2080.M Fri Oct 23 10:30:34 2015 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52097.D Vial: 1
Acq On : 22 Oct 2015 5:02 pm Operator: youminh
Sample : IC2080-30 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:13 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	99012	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.02	114	512715	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.29	82	283062	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.90	95	306959	9.92	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.20%			
Target Compounds						Qvalue
3) FREON 152A	5.09	65	241227	27.81	PPBV	100
4) CHLORODIFLUOROMETHANE	5.13	67	80414	27.59	PPBV	99
5) DICHLORODIFLUOROMETHANE	5.24	85	849539	26.05	PPBV	100
6) PROPYLENE	5.17	41	316897	25.26	PPBV	99
7) FREON 114	5.48	85	932392	25.97	PPBV	99
9) CHLOROMETHANE	5.39	52	111808	28.51	PPBV #	87
10) VINYL CHLORIDE	5.60	62	398809	27.35	PPBV	100
11) 1,3-BUTADIENE	5.72	54	323202	27.97	PPBV	100
12) n-BUTANE	5.77	58	89003	27.56	PPBV	96
13) BROMOMETHANE	5.97	94	313137	26.75	PPBV	99
14) CHLOROETHANE	6.12	64	216251	27.61	PPBV	99
15) DICHLOROFLUOROMETHANE	6.19	67	785445	27.09	PPBV	100
16) ACROLEIN	6.51	56	182083	29.59	PPBV	98
17) TRICHLOROFLUOROMETHANE	6.78	101	774761	26.33	PPBV	99
18) ISOPROPYL ALCOHOL	6.81	45	755571	27.88	PPBV	99
19) ACETONE	6.63	58	198313	27.16	PPBV	89
21) ACRYLONITRILE	7.01	53	329154	30.38	PPBV	99
22) PENTANE	7.07	57	109765	26.91	PPBV	95
23) IODOMETHANE	7.28	142	853370	27.20	PPBV	97
24) 1,1-DICHLOROETHYLENE	7.32	96	365840	25.44	PPBV	98
25) CARBON DISULFIDE	7.72	76	1042271	26.03	PPBV	100
26) ETHANOL	6.21	45	165541	26.52	PPBV	98
27) ACETONITRILE	6.40	41	349943	28.11	PPBV	99
28) BROMOETHENE	6.43	106	316500	26.97	PPBV	100
29) METHYLENE CHLORIDE	7.41	84	328407	26.70	PPBV	98
30) 3-CHLOROPROPENE	7.52	76	186217	29.06	PPBV	97
31) FREON 113	7.63	151	576013	27.51	PPBV	98
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	371090	26.22	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.33	59	799649	27.84	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.44	73	1072151	28.77	PPBV	99
35) TETRAHYDROFURAN	9.77	72	195936	30.99	PPBV	99
36) HEXANE	9.29	57	675259	28.46	PPBV	100
37) VINYL ACETATE	8.49	86	109340	31.70	PPBV	96
38) 1,1-DICHLOROETHANE	8.40	63	692757	28.47	PPBV	99
39) METHYL ETHYL KETONE	8.73	72	202039	32.23	PPBV	98
40) cis-1,2-DICHLOROETHYLENE	9.13	96	392251	26.60	PPBV	98
41) DI-ISOPROPYL ETHER	9.27	87	352598	30.19	PPBV	99
42) ETHYL ACETATE	9.28	61	145070	31.57	PPBV #	85
43) METHYL ACRYLATE	9.29	55	803371	31.28	PPBV	99
44) CHLOROFORM	9.39	83	721865	28.25	PPBV	99
45) 2,4-DIMETHYLPENTANE	10.08	57	774738	29.29	PPBV	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52097.D Vial: 1
Acq On : 22 Oct 2015 5:02 pm Operator: youminh
Sample : IC2080-30 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:13 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.30	97	705238	28.04	PPBV		100
47)	CARBON TETRACHLORIDE	10.86	117	723931	28.41	PPBV		100
48)	1,2-DICHLOROETHANE	10.06	62	447188	30.77	PPBV		100
50)	BENZENE	10.73	78	1234570	28.34	PPBV		99
51)	CYCLOHEXANE	10.98	84	551719	25.93	PPBV		99
52)	2,3-DIMETHYLPENTANE	11.16	71	296135	30.21	PPBV		100
53)	TRICHLOROETHYLENE	11.70	95	531299	30.41	PPBV		98
54)	DIBROMOMETHANE	11.47	174	459838	30.11	PPBV		97
55)	1,2-DICHLOROPROPANE	11.48	63	474477	29.50	PPBV		99
56)	ETHYL ACRYLATE	11.42	55	942028	32.51	PPBV		99
57)	BROMODICHLOROMETHANE	11.67	83	840091	29.66	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	2198284	30.12	PPBV		99
59)	1,4-DIOXANE	11.70	88	272535	33.04	PPBV		97
60)	METHYL METHACRYLATE	11.84	69	483315	32.01	PPBV		98
61)	HEPTANE	11.93	43	765872	29.02	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.53	43	913796	31.93	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.51	75	778155	32.42	PPBV		100
64)	TOLUENE	13.48	92	912942	31.10	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	13.01	75	626794	32.72	PPBV		99
66)	1,1,2-TRICHLOROETHANE	13.20	83	420561	31.16	PPBV		99
68)	ETHYL METHACRYLATE	13.69	69	816184	28.94	PPBV		99
69)	2-HEXANONE	13.70	58	522689	29.55	PPBV		98
70)	TETRACHLOROETHYLENE	14.62	164	561665	26.40	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.92	129	833661	27.14	PPBV		99
72)	1,2-DIBROMOETHANE	14.17	107	725944	29.40	PPBV		100
73)	OCTANE	14.42	43	1092512	26.60	PPBV		99
74)	1,1,1,2-TETRACHLOROETHANE	15.31	131	616712	27.60	PPBV	#	59
75)	CHLOROBENZENE	15.33	112	1183695	27.23	PPBV		100
76)	ETHYLBENZENE	15.71	91	1857273	26.49	PPBV		99
77)	m,p-XYLENE	15.90	106	1522197	53.95	PPBV		100
78)	o-XYLENE	16.41	106	716133	28.22	PPBV		99
79)	STYRENE	16.30	104	1172405	29.15	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.55	75	779887	26.84	PPBV		99
81)	NONANE	16.59	43	1121693	28.51	PPBV		100
82)	BROMOFORM	16.02	173	817585	28.64	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	1084444	27.60	PPBV		100
85)	ISOPROPYLBENZENE	17.03	105	2092208	26.50	PPBV		99
86)	BROMOBENZENE	17.15	156	618316	28.28	PPBV		100
87)	2-CHLOROTOLUENE	17.55	126	496285	27.45	PPBV	#	79
88)	n-PROPYLBENZENE	17.58	120	570998	28.13	PPBV		96
89)	4-ETHYLTOLUENE	17.73	105	1805871	27.82	PPBV		98
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	1679525	26.75	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.98	118	796682	29.46	PPBV		99
92)	TERT-BUTYLBENZENE	18.26	134	409272	28.09	PPBV		98
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	1575687	27.86	PPBV		100
94)	m-DICHLOROBENZENE	18.45	146	923471	27.94	PPBV		99
95)	BENZYL CHLORIDE	18.43	91	1269464	30.63	PPBV		99
96)	p-DICHLOROBENZENE	18.53	146	956460	27.54	PPBV		99
97)	SEC-BUTYLBENZENE	18.56	134	475535	27.68	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52097.D Vial: 1
Acq On : 22 Oct 2015 5:02 pm Operator: youminh
Sample : IC2080-30 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:13 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

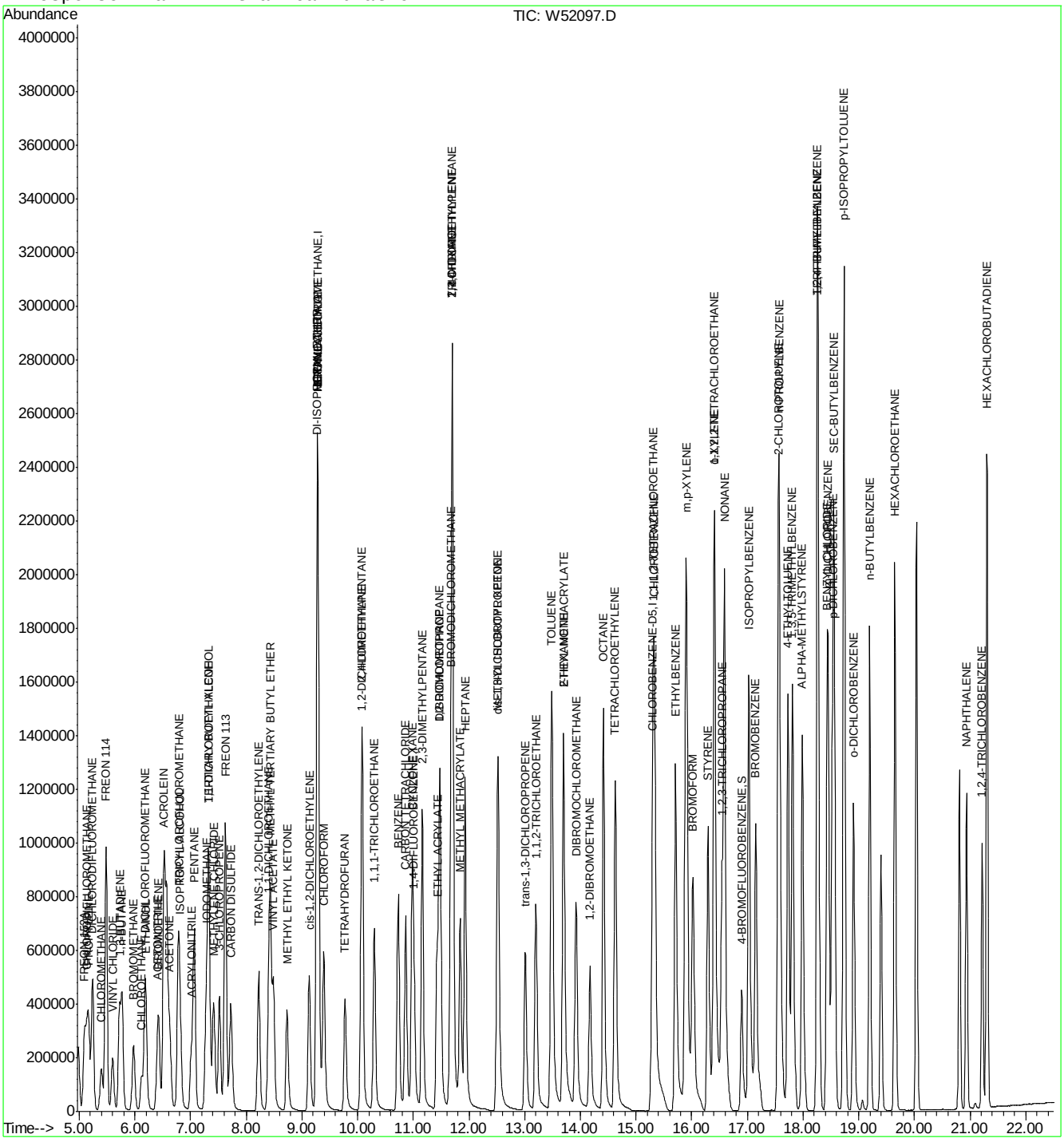
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	501297	28.09	PPBV	98
99)	o-DICHLOROBENZENE	18.90	146	842893	26.53	PPBV	99
100)	n-BUTYLBENZENE	19.20	134	434509	29.34	PPBV	99
101)	HEXACHLOROETHANE	19.65	201	593708	27.82	PPBV	99
102)	HEXACHLOROBUTADIENE	21.30	225	674063	28.64	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.21	180	464160	29.21	PPBV	100
104)	NAPHTHALENE	20.93	128	1311926	35.73	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52097.D Vial: 1
Acq On : 22 Oct 2015 5:02 pm Operator: youminh
Sample : IC2080-30 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:22 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52099.D Vial: 1
Acq On : 22 Oct 2015 6:25 pm Operator: youminh
Sample : IC2080-40 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:17 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	106833	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.02	114	559533	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.29	82	306915	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.90	95	317907	9.47	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 94.70%			
Target Compounds						Qvalue
3) FREON 152A	5.09	65	346217	37.00	PPBV	99
4) CHLORODIFLUOROMETHANE	5.13	67	116210	36.96	PPBV	98
5) DICHLORODIFLUOROMETHANE	5.24	85	1222853	34.75	PPBV	100
6) PROPYLENE	5.17	41	450683	33.29	PPBV	100
7) FREON 114	5.48	85	1360275	35.11	PPBV	100
9) CHLOROMETHANE	5.39	52	160577	37.95	PPBV #	88
10) VINYL CHLORIDE	5.60	62	585872	37.24	PPBV	100
11) 1,3-BUTADIENE	5.72	54	468028	37.54	PPBV	99
12) n-BUTANE	5.77	58	130167	37.36	PPBV	99
13) BROMOMETHANE	5.97	94	470803	37.27	PPBV	100
14) CHLOROETHANE	6.12	64	319350	37.79	PPBV	100
15) DICHLOROFLUOROMETHANE	6.18	67	1139343	36.42	PPBV	100
16) ACROLEIN	6.51	56	262667	39.56	PPBV	98
17) TRICHLOROFLUOROMETHANE	6.77	101	1138868	35.87	PPBV	100
18) ISOPROPYL ALCOHOL	6.81	45	1104890	37.78	PPBV	99
19) ACETONE	6.62	58	294500	37.39	PPBV	97
21) ACRYLONITRILE	7.01	53	478581	40.94	PPBV	99
22) PENTANE	7.07	57	165043	37.50	PPBV	99
23) IODOMETHANE	7.28	142	1276009	37.69	PPBV	98
24) 1,1-DICHLOROETHYLENE	7.32	96	546564	35.23	PPBV	99
25) CARBON DISULFIDE	7.72	76	1515217	35.07	PPBV	100
26) ETHANOL	6.19	45	241097	35.80	PPBV	98
27) ACETONITRILE	6.40	41	489134	36.41	PPBV	99
28) BROMOETHENE	6.43	106	484113	38.23	PPBV	100
29) METHYLENE CHLORIDE	7.41	84	472933	35.63	PPBV	97
30) 3-CHLOROPROPENE	7.52	76	277839	40.19	PPBV	99
31) FREON 113	7.63	151	867730	38.41	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	543784	35.61	PPBV	98
33) TERTIARY BUTYL ALCOHOL	7.33	59	1274667	41.13	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.43	73	1589206	39.52	PPBV	99
35) TETRAHYDROFURAN	9.77	72	292036	42.80	PPBV	100
36) HEXANE	9.28	57	985046	38.48	PPBV	99
37) VINYL ACETATE	8.49	86	162859	43.76	PPBV	99
38) 1,1-DICHLOROETHANE	8.40	63	1022870	38.96	PPBV	99
39) METHYL ETHYL KETONE	8.74	72	300236	44.39	PPBV	98
40) cis-1,2-DICHLOROETHYLENE	9.13	96	573273	36.03	PPBV	98
41) DI-ISOPROPYL ETHER	9.27	87	527369	41.85	PPBV	99
42) ETHYL ACETATE	9.28	61	212288	42.82	PPBV #	86
43) METHYL ACRYLATE	9.29	55	1165582	42.06	PPBV	99
44) CHLOROFORM	9.39	83	1053617	38.21	PPBV	99
45) 2,4-DIMETHYLPENTANE	10.08	57	1146646	40.18	PPBV	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52099.D Vial: 1
Acq On : 22 Oct 2015 6:25 pm Operator: youminh
Sample : IC2080-40 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:17 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) 1,1,1-TRICHLOROETHANE	10.30	97	1034797	38.13	PPBV		99
47) CARBON TETRACHLORIDE	10.86	117	1060389	38.56	PPBV		100
48) 1,2-DICHLOROETHANE	10.06	62	646770	41.24	PPBV		100
50) BENZENE	10.73	78	1807267	38.01	PPBV		99
51) CYCLOHEXANE	10.98	84	814154	35.06	PPBV		98
52) 2,3-DIMETHYLPENTANE	11.16	71	440210	41.16	PPBV		99
53) TRICHLOROETHYLENE	11.70	95	758919	39.80	PPBV		99
54) DIBROMOMETHANE	11.47	174	654504	39.28	PPBV		98
55) 1,2-DICHLOROPROPANE	11.49	63	688875	39.24	PPBV		100
56) ETHYL ACRYLATE	11.42	55	1385585	43.82	PPBV		100
57) BROMODICHLOROMETHANE	11.67	83	1206222	39.03	PPBV		100
58) 2,2,4-TRIMETHYLPENTANE	11.70	57	3191424	40.07	PPBV		99
59) 1,4-DIOXANE	11.70	88	421387	46.81	PPBV	#	85
60) METHYL METHACRYLATE	11.84	69	703771	42.71	PPBV		99
61) HEPTANE	11.93	43	1106462	38.42	PPBV		99
62) METHYL ISOBUTYL KETONE	12.53	43	1337956	42.83	PPBV		99
63) cis-1,3-DICHLOROPROPENE	12.51	75	1105631	42.20	PPBV		99
64) TOLUENE	13.48	92	1306708	40.78	PPBV		99
65) trans-1,3-DICHLOROPROPENE	13.02	75	881986	42.18	PPBV		100
66) 1,1,2-TRICHLOROETHANE	13.20	83	596609	40.51	PPBV		100
68) ETHYL METHACRYLATE	13.69	69	1189637	38.90	PPBV		100
69) 2-HEXANONE	13.71	58	776963	40.51	PPBV		97
70) TETRACHLOROETHYLENE	14.62	164	797675	34.59	PPBV		99
71) DIBROMOCHLOROMETHANE	13.92	129	1178606	35.38	PPBV		99
72) 1,2-DIBROMOETHANE	14.17	107	1006262	37.59	PPBV		100
73) OCTANE	14.42	43	1548281	34.77	PPBV		99
74) 1,1,1,2-TETRACHLOROETHANE	15.31	131	876044	36.16	PPBV	#	51
75) CHLOROBENZENE	15.34	112	1671237	35.46	PPBV		100
76) ETHYLBENZENE	15.71	91	2623243	34.51	PPBV		100
77) m,p-XYLENE	15.90	106	2131513	69.67	PPBV		99
78) o-XYLENE	16.41	106	993324	36.10	PPBV		99
79) STYRENE	16.30	104	1638236	37.57	PPBV		99
80) 1,2,3-TRICHLOROPROPANE	16.55	75	1088528	34.55	PPBV		100
81) NONANE	16.59	43	1565828	36.70	PPBV		99
82) BROMOFORM	16.03	173	1140634	36.85	PPBV		99
84) 1,1,2,2-TETRACHLOROETHANE	16.40	83	1512396	35.50	PPBV		99
85) ISOPROPYLBENZENE	17.03	105	2900100	33.88	PPBV		99
86) BROMOBENZENE	17.15	156	856737	36.14	PPBV		100
87) 2-CHLOROTOLUENE	17.55	126	689724	35.19	PPBV	#	70
88) n-PROPYLBENZENE	17.58	120	798499	36.28	PPBV		91
89) 4-ETHYLTOLUENE	17.73	105	2553130	36.28	PPBV		98
90) 1,3,5-TRIMETHYLBENZENE	17.81	105	2247992	33.02	PPBV		99
91) ALPHA-METHYLSTYRENE	17.99	118	1107400	37.77	PPBV		99
92) TERT-BUTYLBENZENE	18.26	134	568970	36.01	PPBV		97
93) 1,2,4-TRIMETHYLBENZENE	18.26	105	2164490	35.30	PPBV		100
94) m-DICHLOROBENZENE	18.45	146	1265432	35.31	PPBV		99
95) BENZYL CHLORIDE	18.43	91	1775713	39.52	PPBV		99
96) p-DICHLOROBENZENE	18.53	146	1324418	35.18	PPBV		99
97) SEC-BUTYLBENZENE	18.56	134	659188	35.39	PPBV		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52099.D Vial: 1
Acq On : 22 Oct 2015 6:25 pm Operator: youminh
Sample : IC2080-40 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:05:17 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 09:38:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	690136	35.66	PPBV	97
99)	o-DICHLOROBENZENE	18.91	146	1166045	33.84	PPBV	99
100)	n-BUTYLBENZENE	19.20	134	606150	37.75	PPBV	97
101)	HEXACHLOROETHANE	19.65	201	829316	35.84	PPBV	99
102)	HEXACHLOROBUTADIENE	21.31	225	889950	34.88	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.21	180	657171	38.14	PPBV	99
104)	NAPHTHALENE	20.93	128	1839147	46.19	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

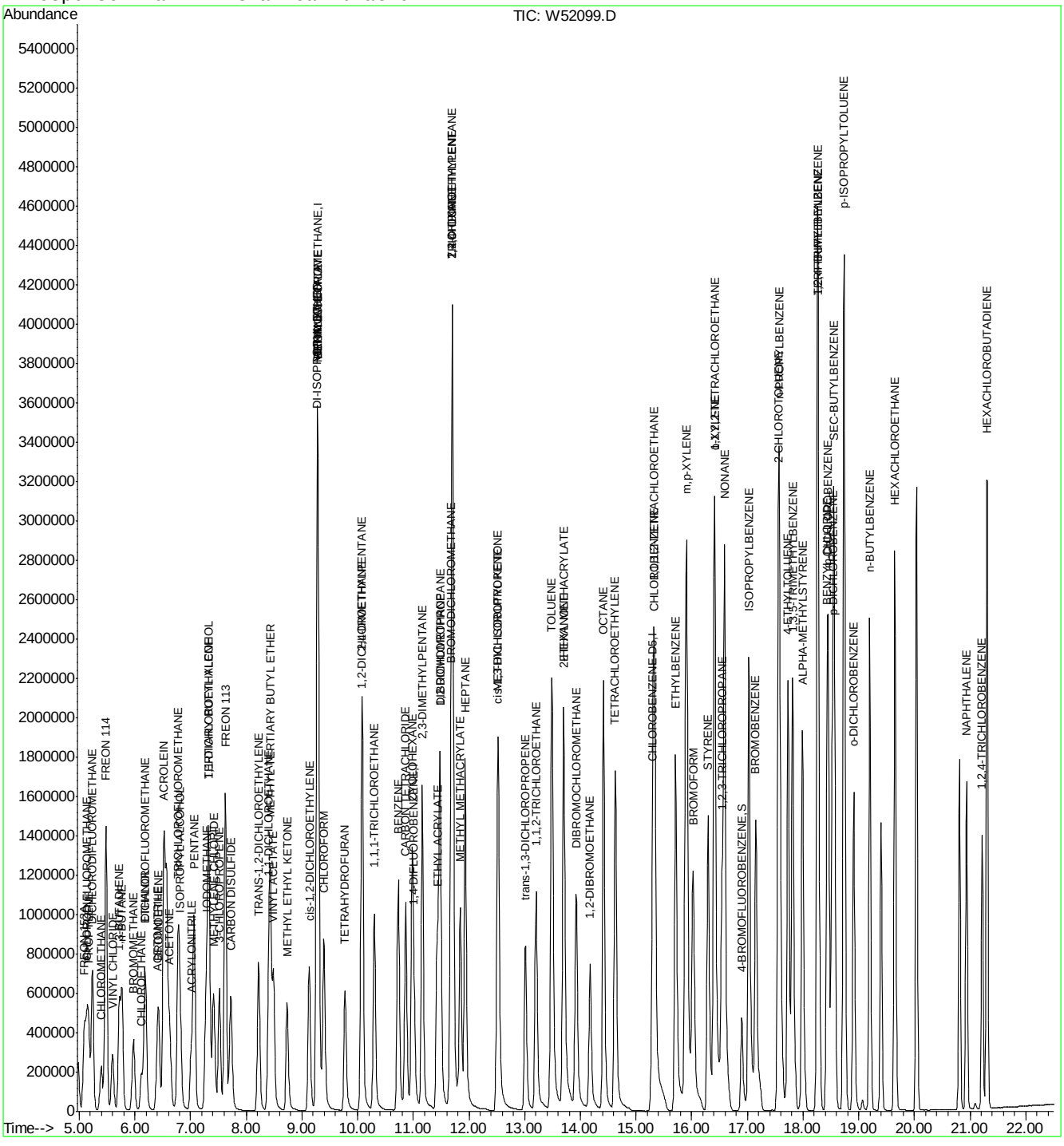
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52099.D
Acq On : 22 Oct 2015 6:25 pm
Sample : IC2080-40
Misc : MS93034,VW2080,,,,,1
MS Integration Params: rteint.p
Quant Time: Oct 23 10:23 2015

Vial: 1
Operator: youminh
Inst : MSW
Multiplr: 1.00

Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52101.D Vial: 4
Acq On : 22 Oct 2015 7:47 pm Operator: youminh
Sample : ICV2080-10 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:30:01 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	105502	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	555837	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	267132	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.89	95	304487	10.42	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 104.20%

Target Compounds						Qvalue
3) FREON 152A	5.09	65	90655	9.81	PPBV	100
4) CHLORODIFLUOROMETHANE	5.14	67	30953	9.97	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	330116	9.50	PPBV	100
6) PROPYLENE	5.17	41	121175	9.06	PPBV	99
7) FREON 114	5.48	85	358234	9.36	PPBV	100
9) CHLOROMETHANE	5.40	52	42760	10.23	PPBV	97
10) VINYL CHLORIDE	5.60	62	154031	9.91	PPBV	100
11) 1,3-BUTADIENE	5.72	54	122922	9.98	PPBV	100
12) n-BUTANE	5.77	58	34301	9.97	PPBV	98
13) BROMOMETHANE	5.97	94	124560	9.98	PPBV	100
14) CHLOROETHANE	6.12	64	83603	10.02	PPBV	100
15) DICHLOROFLUOROMETHANE	6.18	67	296748	9.61	PPBV	100
16) ACROLEIN	6.52	56	64272	9.80	PPBV	99
17) TRICHLOROFLUOROMETHANE	6.78	101	297831	9.50	PPBV	100
18) ISOPROPYL ALCOHOL	6.81	45	278804	9.65	PPBV	99
19) ACETONE	6.63	58	75563	9.71	PPBV	95
21) ACRYLONITRILE	7.01	53	122751	10.63	PPBV	100
22) PENTANE	7.07	57	42525	9.78	PPBV	98
23) IODOMETHANE	7.28	142	334361	10.00	PPBV	100
24) 1,1-DICHLOROETHYLENE	7.32	96	141517	9.24	PPBV	100
25) CARBON DISULFIDE	7.72	76	414976	9.73	PPBV	100
26) ETHANOL	6.20	45	63619	9.57	PPBV	100
27) ACETONITRILE	6.40	41	124950	9.42	PPBV	99
28) BROMOETHENE	6.43	106	126956	10.15	PPBV	100
29) METHYLENE CHLORIDE	7.41	84	124881	9.53	PPBV	98
30) 3-CHLOROPROPENE	7.52	76	71813	10.52	PPBV	97
31) FREON 113	7.63	151	224337	10.06	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	144918	9.61	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.33	59	310689	10.15	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.44	73	408230	10.28	PPBV	99
35) TETRAHYDROFURAN	9.78	72	73918	10.97	PPBV	99
36) HEXANE	9.28	57	250720	9.92	PPBV	99
37) VINYL ACETATE	8.49	86	40995	11.15	PPBV #	95
38) 1,1-DICHLOROETHANE	8.40	63	268955	10.37	PPBV	100
39) METHYL ETHYL KETONE	8.73	72	75087	10.85	PPBV	97
40) cis-1,2-DICHLOROETHYLENE	9.13	96	152280	9.69	PPBV	98
41) DI-ISOPROPYL ETHER	9.27	87	128904	10.36	PPBV	99
42) ETHYL ACETATE	9.28	61	53953	11.02	PPBV #	95
43) METHYL ACRYLATE	9.29	55	293908	10.74	PPBV	100
44) CHLOROFORM	9.39	83	281927	10.35	PPBV	99
45) 2,4-DIMETHYLPENTANE	10.08	57	289967	10.29	PPBV	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52101.D Vial: 4
Acq On : 22 Oct 2015 7:47 pm Operator: youminh
Sample : ICV2080-10 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:30:01 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	1,1,1-TRICHLOROETHANE	10.30	97	273645	10.21	PPBV	100
47)	CARBON TETRACHLORIDE	10.86	117	274311	10.10	PPBV	99
48)	1,2-DICHLOROETHANE	10.06	62	168774	10.90	PPBV	100
50)	BENZENE	10.72	78	465422	9.85	PPBV	100
51)	CYCLOHEXANE	10.98	84	208360	9.39	PPBV	98
52)	2,3-DIMETHYLPENTANE	11.16	71	109267	10.28	PPBV	99
53)	TRICHLOROETHYLENE	11.69	95	191263	10.10	PPBV	99
54)	DIBROMOMETHANE	11.46	174	170902	10.32	PPBV	99
55)	1,2-DICHLOROPROPANE	11.48	63	174825	10.03	PPBV	100
56)	ETHYL ACRYLATE	11.42	55	332912	10.60	PPBV	100
57)	BROMODICHLOROMETHANE	11.66	83	309322	10.08	PPBV	100
58)	2,2,4-TRIMETHYLPENTANE	11.70	57	784046	9.91	PPBV	100
59)	1,4-DIOXANE	11.70	88	96227	10.76	PPBV	98
60)	METHYL METHACRYLATE	11.84	69	173568	10.60	PPBV	99
61)	HEPTANE	11.92	43	277787	9.71	PPBV	99
62)	METHYL ISOBUTYL KETONE	12.52	43	319521	10.30	PPBV	100
63)	cis-1,3-DICHLOROPROPENE	12.50	75	263953	10.14	PPBV	99
64)	TOLUENE	13.48	92	330836	10.40	PPBV	100
65)	trans-1,3-DICHLOROPROPENE	13.01	75	222740	10.72	PPBV	100
66)	1,1,2-TRICHLOROETHANE	13.20	83	152518	10.42	PPBV	99
68)	ETHYL METHACRYLATE	13.69	69	282158	10.60	PPBV	99
69)	2-HEXANONE	13.70	58	177344	10.62	PPBV	99
70)	TETRACHLOROETHYLENE	14.62	164	201936	10.06	PPBV	100
71)	DIBROMOCHLOROMETHANE	13.92	129	298471	10.30	PPBV	99
72)	1,2-DIBROMOETHANE	14.17	107	256776	11.02	PPBV	100
73)	OCTANE	14.41	43	385605	9.95	PPBV	99
74)	1,1,1,2-TETRACHLOROETHANE	15.31	131	218839	10.38	PPBV	88
75)	CHLOROBENZENE	15.33	112	411824	10.04	PPBV	99
76)	ETHYLBENZENE	15.71	91	662401	10.01	PPBV	100
77)	m,p-XYLENE	15.90	106	543428	20.41	PPBV	100
78)	o-XYLENE	16.40	106	254847	10.64	PPBV	100
79)	STYRENE	16.29	104	412807	10.88	PPBV	100
80)	1,2,3-TRICHLOROPROPANE	16.54	75	273110	9.96	PPBV	99
81)	NONANE	16.58	43	391916	10.56	PPBV	99
82)	BROMOFORM	16.01	173	284947	10.58	PPBV	100
84)	1,1,2,2-TETRACHLOROETHANE	16.40	83	378154	10.20	PPBV	100
85)	ISOPROPYLBENZENE	17.02	105	742185	9.96	PPBV	100
86)	BROMOBENZENE	17.15	156	215052	10.42	PPBV	99
87)	2-CHLOROTOLUENE	17.55	126	172519	10.11	PPBV	95
88)	n-PROPYLBENZENE	17.57	120	196320	10.25	PPBV	98
89)	4-ETHYLTOLUENE	17.73	105	629689	10.36	PPBV	100
90)	1,3,5-TRIMETHYLBENZENE	17.81	105	602763	10.17	PPBV	99
91)	ALPHA-METHYLSTYRENE	17.98	118	275908	10.81	PPBV	100
92)	TERT-BUTYLBENZENE	18.25	134	140312	10.20	PPBV	99
93)	1,2,4-TRIMETHYLBENZENE	18.26	105	552699	10.36	PPBV	99
94)	m-DICHLOROBENZENE	18.45	146	317615	10.19	PPBV	100
95)	BENZYL CHLORIDE	18.42	91	410472	10.25	PPBV	100
96)	p-DICHLOROBENZENE	18.52	146	320612	9.78	PPBV	99
97)	SEC-BUTYLBENZENE	18.56	134	162947	10.05	PPBV	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52101.D Vial: 4
Acq On : 22 Oct 2015 7:47 pm Operator: youminh
Sample : ICV2080-10 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:30:01 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

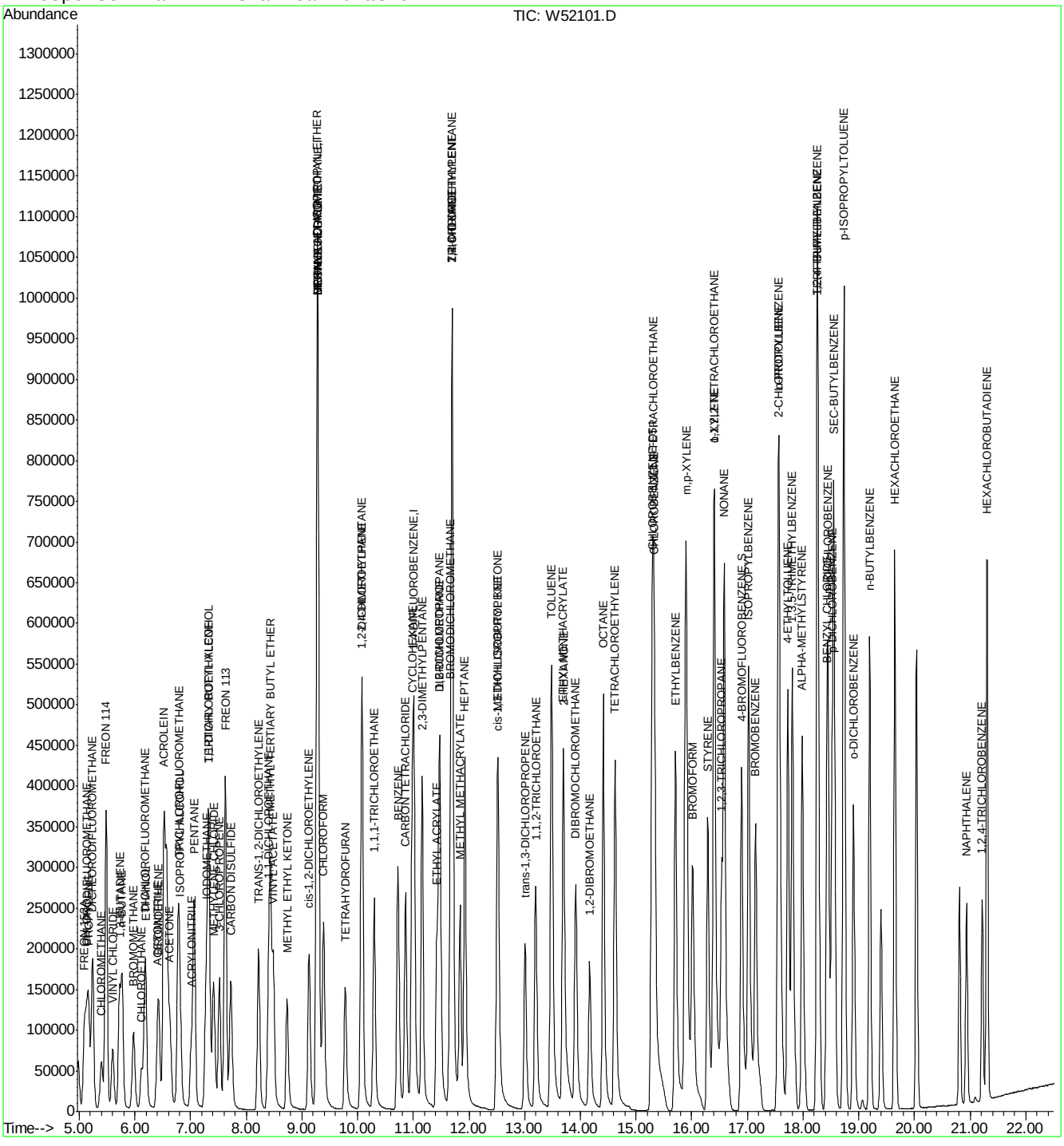
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.73	134	169456	10.06	PPBV	98
99)	o-DICHLOROBENZENE	18.90	146	294483	9.82	PPBV	99
100)	n-BUTYLBENZENE	19.20	134	144817	10.36	PPBV	97
101)	HEXACHLOROETHANE	19.65	201	205821	10.22	PPBV	99
102)	HEXACHLOROBUTADIENE	21.31	225	194381	8.75	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.22	180	124493	8.30	PPBV	99
104)	NAPHTHALENE	20.93	128	291309	8.41	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52101.D Vial: 4
Acq On : 22 Oct 2015 7:47 pm Operator: youminh
Sample : ICV2080-10 Inst : MSW
Misc : MS93034,VW2080,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 10:31 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52207.D Vial: 2
Acq On : 29 Oct 2015 9:58 am Operator: youminh
Sample : CC2080-10 Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 09:36:14 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	95161	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	483607	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	228987	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.89	95	247011	9.87	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.70%			
Target Compounds						Qvalue
3) FREON 152A	5.10	65	92281	11.07	PPBV	99
4) CHLORODIFLUOROMETHANE	5.13	67	31256	11.16	PPBV	99
5) DICHLORODIFLUOROMETHANE	5.24	85	329107	10.50	PPBV	99
6) PROPYLENE	5.18	41	125356	10.40	PPBV	99
7) FREON 114	5.48	85	357913	10.37	PPBV	95
9) CHLOROMETHANE	5.40	52	44743	11.87	PPBV	99
10) VINYL CHLORIDE	5.60	62	159409	11.38	PPBV	100
11) 1,3-BUTADIENE	5.72	54	128093	11.53	PPBV	99
12) n-BUTANE	5.77	58	36712	11.83	PPBV	98
13) BROMOMETHANE	5.98	94	121327	10.78	PPBV	99
14) CHLOROETHANE	6.12	64	84246	11.19	PPBV	99
15) DICHLOROFLUOROMETHANE	6.19	67	303015	10.87	PPBV	100
16) ACROLEIN	6.51	56	67236	11.37	PPBV	99
17) TRICHLOROFLUOROMETHANE	6.78	101	278854	9.86	PPBV	100
18) ISOPROPYL ALCOHOL	6.82	45	265909	10.21	PPBV	100
19) ACETONE	6.63	58	76218	10.86	PPBV	93
21) ACRYLONITRILE	7.02	53	122461	11.76	PPBV	99
22) PENTANE	7.06	57	42009	10.72	PPBV	95
23) IODOMETHANE	7.28	142	300653	9.97	PPBV	100
24) 1,1-DICHLOROETHYLENE	7.32	96	132726	9.60	PPBV	96
25) CARBON DISULFIDE	7.72	76	405105	10.53	PPBV	99
26) ETHANOL	6.21	45	63032	10.51	PPBV	99
27) ACETONITRILE	6.41	41	130399	10.90	PPBV	99
28) BROMOETHENE	6.43	106	119089	10.56	PPBV	99
29) METHYLENE CHLORIDE	7.41	84	122598	10.37	PPBV	94
30) 3-CHLOROPROPENE	7.52	76	69437	11.28	PPBV	95
31) FREON 113	7.63	151	198076	9.84	PPBV	94
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	133175	9.79	PPBV	97
33) TERTIARY BUTYL ALCOHOL	7.33	59	275329	9.97	PPBV	97
34) METHYL TERTIARY BUTYL ETHE	8.44	73	376658	10.52	PPBV	98
35) TETRAHYDROFURAN	9.78	72	68466	11.27	PPBV	98
36) HEXANE	9.28	57	251232	11.02	PPBV	99
37) VINYL ACETATE	8.49	86	37939	11.44	PPBV #	89
38) 1,1-DICHLOROETHANE	8.40	63	261052	11.16	PPBV	100
39) METHYL ETHYL KETONE	8.73	72	69051	11.06	PPBV	95
40) cis-1,2-DICHLOROETHYLENE	9.13	96	141665	10.00	PPBV	97
41) DI-ISOPROPYL ETHER	9.27	87	121513	10.83	PPBV	98
42) ETHYL ACETATE	9.28	61	50714	11.48	PPBV #	87
43) METHYL ACRYLATE	9.28	55	280800	11.38	PPBV	99
44) CHLOROFORM	9.39	83	264763	10.78	PPBV	99
45) 2,4-DIMETHYLPENTANE	10.08	57	285334	11.22	PPBV	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52207.D Vial: 2
Acq On : 29 Oct 2015 9:58 am Operator: youminh
Sample : CC2080-10 Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 09:36:14 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) 1,1,1-TRICHLOROETHANE	10.30	97	249882	10.34	PPBV		99
47) CARBON TETRACHLORIDE	10.86	117	246576	10.07	PPBV		100
48) 1,2-DICHLOROETHANE	10.06	62	159420	11.41	PPBV		100
50) BENZENE	10.72	78	463485	11.28	PPBV		100
51) CYCLOHEXANE	10.97	84	201091	10.42	PPBV		97
52) 2,3-DIMETHYLPENTANE	11.16	71	107304	11.61	PPBV		98
53) TRICHLOROETHYLENE	11.69	95	181590	11.02	PPBV		98
54) DIBROMOMETHANE	11.46	174	154211	10.71	PPBV		94
55) 1,2-DICHLOROPROPANE	11.47	63	174308	11.49	PPBV		97
56) ETHYL ACRYLATE	11.42	55	303905	11.12	PPBV		99
57) BROMODICHLOROMETHANE	11.66	83	294988	11.04	PPBV		99
58) 2,2,4-TRIMETHYLPENTANE	11.70	57	771154	11.20	PPBV		99
59) 1,4-DIOXANE	11.70	88	85973	11.05	PPBV		98
60) METHYL METHACRYLATE	11.83	69	162027	11.38	PPBV		99
61) HEPTANE	11.92	43	276212	11.10	PPBV		99
62) METHYL ISOBUTYL KETONE	12.52	43	281035	10.41	PPBV		99
63) cis-1,3-DICHLOROPROPENE	12.50	75	264778	11.69	PPBV		100
64) TOLUENE	13.47	92	316869	11.44	PPBV		100
65) trans-1,3-DICHLOROPROPENE	13.00	75	203954	11.29	PPBV		99
66) 1,1,2-TRICHLOROETHANE	13.19	83	147483	11.59	PPBV		98
68) ETHYL METHACRYLATE	13.69	69	245093	10.74	PPBV		99
69) 2-HEXANONE	13.70	58	156566	10.94	PPBV		99
70) TETRACHLOROETHYLENE	14.62	164	182752	10.62	PPBV		99
71) DIBROMOCHLOROMETHANE	13.91	129	275362	11.08	PPBV		100
72) 1,2-DIBROMOETHANE	14.17	107	233479	11.69	PPBV		100
73) OCTANE	14.41	43	376804	11.34	PPBV		98
74) 1,1,1,2-TETRACHLOROETHANE	15.30	131	202170	11.18	PPBV		94
75) CHLOROBENZENE	15.33	112	392739	11.17	PPBV		98
76) ETHYLBENZENE	15.70	91	619050	10.91	PPBV		100
77) m,p-XYLENE	15.89	106	509338	22.31	PPBV		99
78) o-XYLENE	16.40	106	240280	11.70	PPBV		99
79) STYRENE	16.29	104	383280	11.78	PPBV		99
80) 1,2,3-TRICHLOROPROPANE	16.54	75	261097	11.11	PPBV		98
81) NONANE	16.58	43	398679	12.53	PPBV		98
82) BROMOFORM	16.01	173	253613	10.98	PPBV		99
84) 1,1,2,2-TETRACHLOROETHANE	16.40	83	367073	11.55	PPBV		99
85) ISOPROPYLBENZENE	17.02	105	701889	10.99	PPBV		99
86) BROMOBENZENE	17.15	156	197916	11.19	PPBV		95
87) 2-CHLOROTOLUENE	17.55	126	162163	11.09	PPBV	#	89
88) n-PROPYLBENZENE	17.57	120	185598	11.30	PPBV		95
89) 4-ETHYLTOLUENE	17.73	105	583808	11.20	PPBV		98
90) 1,3,5-TRIMETHYLBENZENE	17.80	105	566849	11.16	PPBV		98
91) ALPHA-METHYLSTYRENE	17.98	118	255245	11.67	PPBV		100
92) TERT-BUTYLBENZENE	18.25	134	129805	11.01	PPBV		96
93) 1,2,4-TRIMETHYLBENZENE	18.26	105	516357	11.29	PPBV		99
94) m-DICHLOROBENZENE	18.45	146	286413	10.72	PPBV		100
95) BENZYL CHLORIDE	18.42	91	382867	11.16	PPBV		99
96) p-DICHLOROBENZENE	18.52	146	306803	10.92	PPBV		100
97) SEC-BUTYLBENZENE	18.55	134	151278	10.88	PPBV		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52207.D Vial: 2
Acq On : 29 Oct 2015 9:58 am Operator: youminh
Sample : CC2080-10 Inst : MSW
Misc : MS93584,VW2086,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 30 09:36:14 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.72	134	155984	10.80	PPBV	96
99)	o-DICHLOROBENZENE	18.90	146	271053	10.54	PPBV	99
100)	n-BUTYLBENZENE	19.20	134	131996	11.02	PPBV	91
101)	HEXACHLOROETHANE	19.65	201	186500	10.80	PPBV	94
102)	HEXACHLOROBUTADIENE	21.30	225	162065	8.51	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.21	180	107323	8.35	PPBV	99
104)	NAPHTHALENE	20.93	128	257293	8.66	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

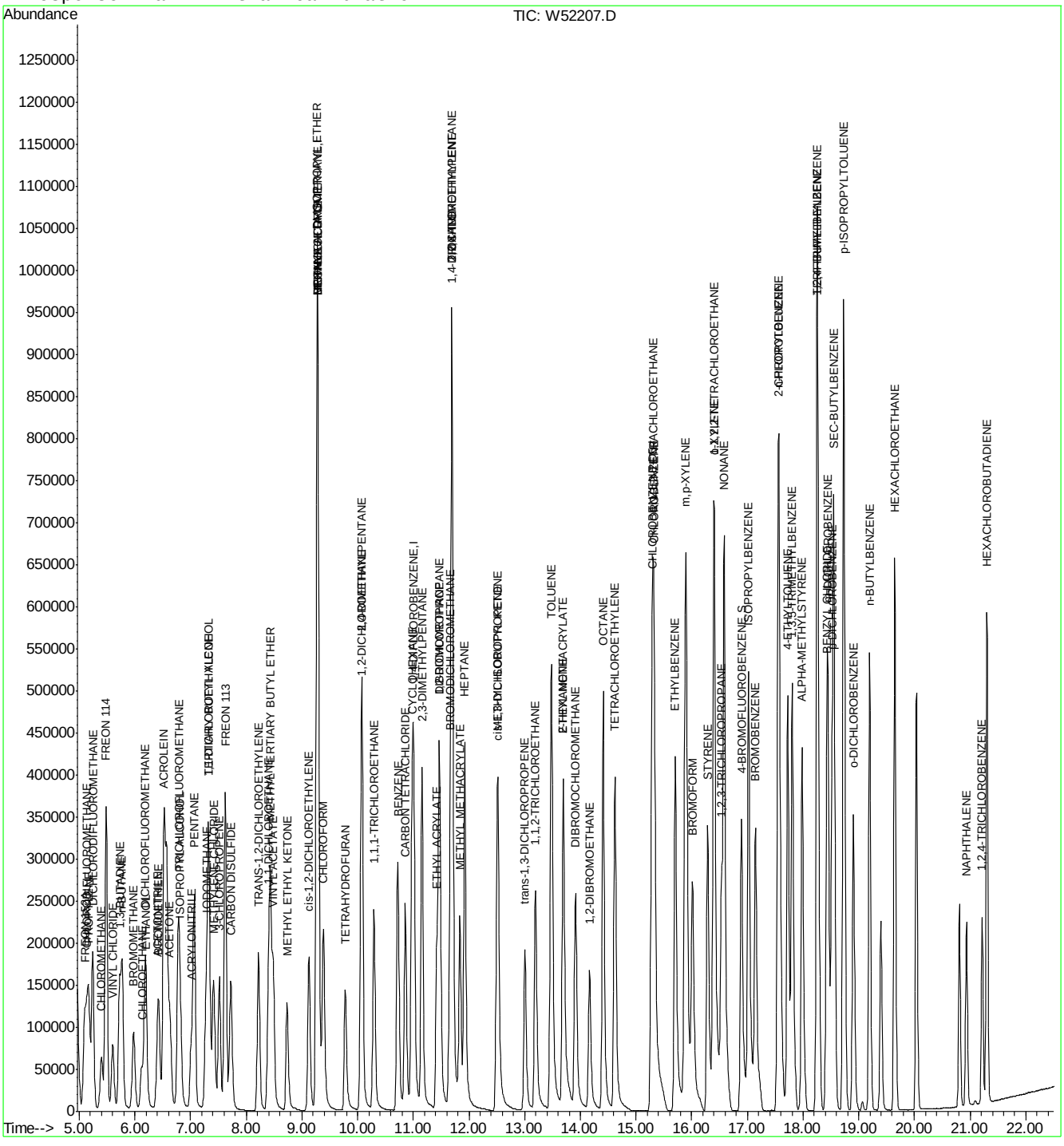
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52207.D
Acq On : 29 Oct 2015 9:58 am
Sample : CC2080-10
Misc : MS93584,VW2086,,,,,1
MS Integration Params: rteint.p
Quant Time: Oct 30 10:23 2015

Vial: 2
Operator: youminh
Inst : MSW
Multiplr: 1.00

Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52236.D Vial: 2
Acq On : 30 Oct 2015 9:24 am Operator: youminh
Sample : CC2080-10 Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:40 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	89477	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	11.01	114	416496	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.28	82	202213	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.89	95	230946	10.44	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 104.40%

Target Compounds						Qvalue
3) FREON 152A	5.10	65	82828	10.57	PPBV	98
4) CHLORODIFLUOROMETHANE	5.14	67	25615	9.73	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.25	85	281976	9.57	PPBV	100
6) PROPYLENE	5.18	41	103917	9.17	PPBV	98
7) FREON 114	5.49	85	314832	9.70	PPBV	98
9) CHLOROMETHANE	5.40	52	38107	10.75	PPBV	97
10) VINYL CHLORIDE	5.61	62	136669	10.37	PPBV	100
11) 1,3-BUTADIENE	5.73	54	106872	10.24	PPBV	100
12) n-BUTANE	5.78	58	30903	10.59	PPBV	94
13) BROMOMETHANE	5.98	94	112280	10.61	PPBV	100
14) CHLOROETHANE	6.13	64	74185	10.48	PPBV	100
15) DICHLOROFLUOROMETHANE	6.19	67	262649	10.02	PPBV	100
16) ACROLEIN	6.52	56	57133	10.27	PPBV	100
17) TRICHLOROFLUOROMETHANE	6.78	101	257544	9.69	PPBV	100
18) ISOPROPYL ALCOHOL	6.82	45	227071	9.27	PPBV	98
19) ACETONE	6.63	58	66049	10.01	PPBV	97
21) ACRYLONITRILE	7.02	53	106203	10.85	PPBV	100
22) PENTANE	7.07	57	36263	9.84	PPBV	99
23) IODOMETHANE	7.28	142	287213	10.13	PPBV	100
24) 1,1-DICHLOROETHYLENE	7.33	96	122851	9.45	PPBV	98
25) CARBON DISULFIDE	7.73	76	368037	10.17	PPBV	99
26) ETHANOL	6.21	45	54393	9.65	PPBV	100
27) ACETONITRILE	6.41	41	109393	9.72	PPBV	98
28) BROMOETHENE	6.43	106	112270	10.59	PPBV	100
29) METHYLENE CHLORIDE	7.42	84	113304	10.19	PPBV	99
30) 3-CHLOROPROPENE	7.52	76	61411	10.61	PPBV	96
31) FREON 113	7.63	151	189235	10.00	PPBV	98
32) TRANS-1,2-DICHLOROETHYLENE	8.22	96	124547	9.74	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.33	59	247329	9.53	PPBV	98
34) METHYL TERTIARY BUTYL ETHE	8.44	73	334804	9.94	PPBV	99
35) TETRAHYDROFURAN	9.78	72	61850	10.82	PPBV	98
36) HEXANE	9.28	57	214603	10.01	PPBV	99
37) VINYL ACETATE	8.49	86	34685	11.13	PPBV #	95
38) 1,1-DICHLOROETHANE	8.40	63	228530	10.39	PPBV	100
39) METHYL ETHYL KETONE	8.74	72	63510	10.82	PPBV	94
40) cis-1,2-DICHLOROETHYLENE	9.13	96	131653	9.88	PPBV	99
41) DI-ISOPROPYL ETHER	9.27	87	109546	10.38	PPBV	99
42) ETHYL ACETATE	9.28	61	45348	10.92	PPBV #	92
43) METHYL ACRYLATE	9.29	55	245292	10.57	PPBV	99
44) CHLOROFORM	9.39	83	236459	10.24	PPBV	99
45) 2,4-DIMETHYLPENTANE	10.08	57	244740	10.24	PPBV	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52236.D Vial: 2
Acq On : 30 Oct 2015 9:24 am Operator: youminh
Sample : CC2080-10 Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:40 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) 1,1,1-TRICHLOROETHANE	10.30	97	225090	9.90	PPBV		100
47) CARBON TETRACHLORIDE	10.86	117	226460	9.83	PPBV		100
48) 1,2-DICHLOROETHANE	10.06	62	139696	10.64	PPBV		99
50) BENZENE	10.72	78	414543	11.71	PPBV		100
51) CYCLOHEXANE	10.98	84	179143	10.78	PPBV		100
52) 2,3-DIMETHYLPENTANE	11.16	71	94029	11.81	PPBV		99
53) TRICHLOROETHYLENE	11.69	95	167582	11.81	PPBV		100
54) DIBROMOMETHANE	11.46	174	149868	12.08	PPBV		98
55) 1,2-DICHLOROPROPANE	11.47	63	151495	11.59	PPBV		99
56) ETHYL ACRYLATE	11.42	55	269608	11.45	PPBV		99
57) BROMODICHLOROMETHANE	11.66	83	265769	11.55	PPBV		99
58) 2,2,4-TRIMETHYLPENTANE	11.69	57	670616	11.31	PPBV		99
59) 1,4-DIOXANE	11.71	88	81417	12.15	PPBV	#	69
60) METHYL METHACRYLATE	11.83	69	148102	12.07	PPBV		96
61) HEPTANE	11.92	43	234784	10.95	PPBV		100
62) METHYL ISOBUTYL KETONE	12.52	43	251152	10.80	PPBV		99
63) cis-1,3-DICHLOROPROPENE	12.50	75	239628	12.29	PPBV		98
64) TOLUENE	13.47	92	289609	12.14	PPBV		100
65) trans-1,3-DICHLOROPROPENE	13.00	75	187410	12.04	PPBV		99
66) 1,1,2-TRICHLOROETHANE	13.19	83	134061	12.23	PPBV		100
68) ETHYL METHACRYLATE	13.69	69	226863	11.26	PPBV		99
69) 2-HEXANONE	13.70	58	143694	11.37	PPBV		99
70) TETRACHLOROETHYLENE	14.62	164	177564	11.69	PPBV		99
71) DIBROMOCHLOROMETHANE	13.91	129	259980	11.85	PPBV		100
72) 1,2-DIBROMOETHANE	14.17	107	225008	12.76	PPBV		100
73) OCTANE	14.41	43	327866	11.17	PPBV		100
74) 1,1,1,2-TETRACHLOROETHANE	15.30	131	190997	11.96	PPBV		85
75) CHLOROBENZENE	15.33	112	369193	11.89	PPBV		100
76) ETHYLBENZENE	15.70	91	574810	11.48	PPBV		99
77) m,p-XYLENE	15.89	106	481765	23.90	PPBV		98
78) o-XYLENE	16.40	106	228641	12.61	PPBV		98
79) STYRENE	16.28	104	365409	12.72	PPBV		99
80) 1,2,3-TRICHLOROPROPANE	16.53	75	244977	11.80	PPBV		99
81) NONANE	16.58	43	347557	12.37	PPBV		100
82) BROMOFORM	16.01	173	248586	12.19	PPBV		100
84) 1,1,2,2-TETRACHLOROETHANE	16.40	83	345560	12.31	PPBV		100
85) ISOPROPYLBENZENE	17.01	105	668204	11.85	PPBV		100
86) BROMOBENZENE	17.14	156	196088	12.55	PPBV		99
87) 2-CHLOROTOLUENE	17.54	126	156736	12.14	PPBV	#	85
88) n-PROPYLBENZENE	17.56	120	179535	12.38	PPBV		100
89) 4-ETHYLTOLUENE	17.72	105	570149	12.39	PPBV		98
90) 1,3,5-TRIMETHYLBENZENE	17.80	105	539589	12.03	PPBV		99
91) ALPHA-METHYLSTYRENE	17.98	118	249803	12.93	PPBV		99
92) TERT-BUTYLBENZENE	18.25	134	128078	12.30	PPBV		100
93) 1,2,4-TRIMETHYLBENZENE	18.26	105	499337	12.36	PPBV		100
94) m-DICHLOROBENZENE	18.44	146	292240	12.39	PPBV		100
95) BENZYL CHLORIDE	18.42	91	368777	12.17	PPBV		100
96) p-DICHLOROBENZENE	18.51	146	301586	12.16	PPBV		99
97) SEC-BUTYLBENZENE	18.55	134	149571	12.19	PPBV		98

(#) = qualifier out of range (m) = manual integration

ACCUTEST LABORATORIES JC7272

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52236.D Vial: 2
Acq On : 30 Oct 2015 9:24 am Operator: youminh
Sample : CC2080-10 Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 31 11:25:40 2015 Quant Results File: MW2080.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

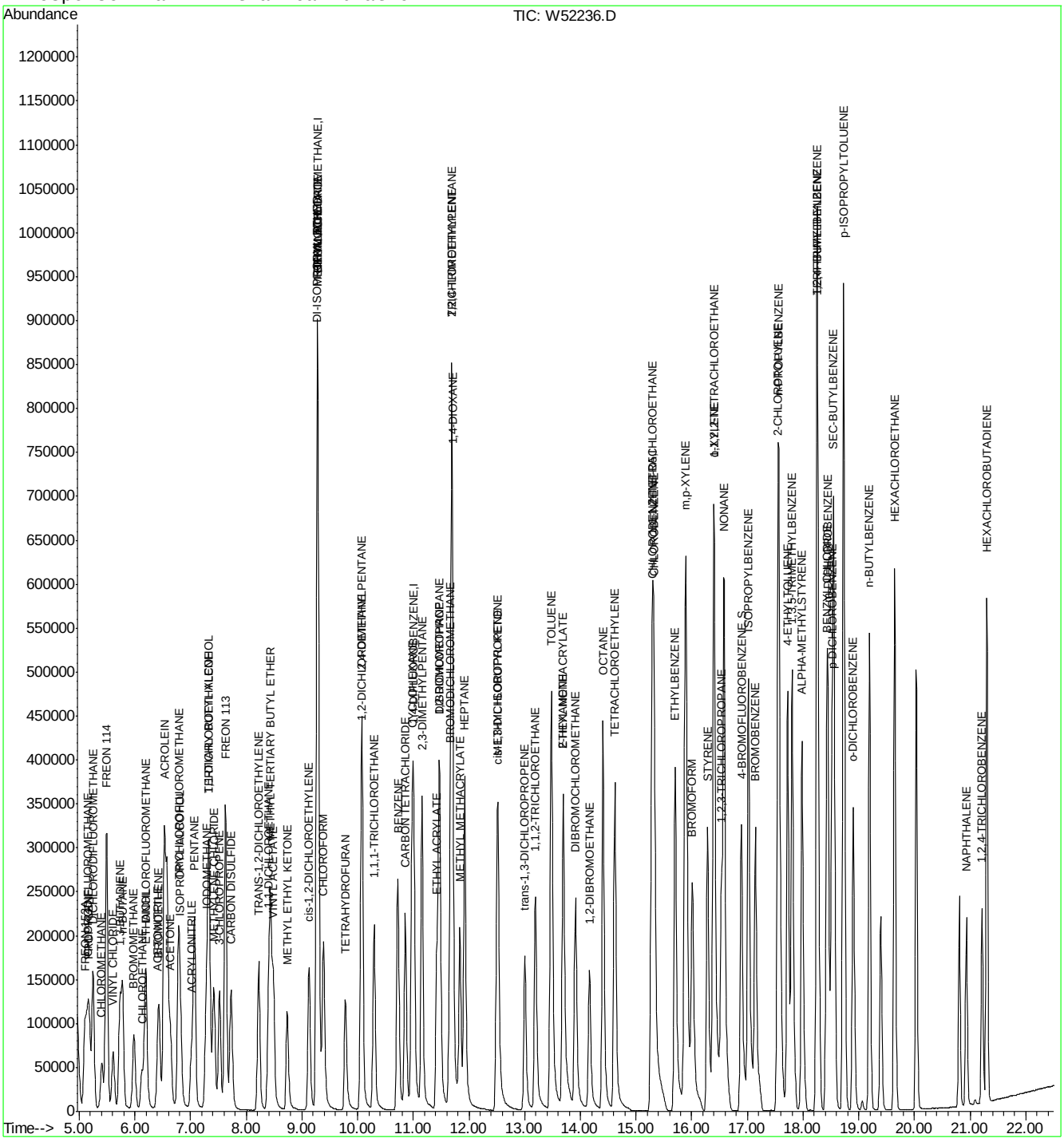
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.72	134	155604	12.20	PPBV	98
99)	o-DICHLOROBENZENE	18.90	146	271479	11.96	PPBV	100
100)	n-BUTYLBENZENE	19.19	134	132518	12.53	PPBV	97
101)	HEXACHLOROETHANE	19.65	201	187049	12.27	PPBV	99
102)	HEXACHLOROBUTADIENE	21.30	225	165850	9.87	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.21	180	111780	9.85	PPBV	100
104)	NAPHTHALENE	20.93	128	258355	9.85	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52236.D Vial: 2
Acq On : 30 Oct 2015 9:24 am Operator: youminh
Sample : CC2080-10 Inst : MSW
Misc : MS93717,VW2087,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 2 10:25 2015 Quant Results File: MW2080.RES

Method : C:\MSDCHEM\1\METHODS\MW2080.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Oct 23 10:29:48 2015
Response via : Initial Calibration



TO-14/TO-15

ACCUTEST

Date: 10/30/15

Batch ID: V3W1928

Analyst Signature: [illegible]

Columns: RTX-160MX0.32mm
Method: 3WTO15.M
Seq. File: 3W151030.S
Initial Cal. Method: M3W1928

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.
AS6670	IS/SURR	100ppbv

Standard Data

Lot #	Description	Conc.
AS6728	TO15STD	40ppbv
AS6729	TO15STD	1.0ppbv
AS6730	TO15STD	0.4ppbv
AS6731	TO15LCS	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible] Date: 11/3/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	3W50745	IB		A962	100					not used	
5	3W50746	IB		A962	100					not used	
5	3W50747	IB		A962	100					not used	
5	3W50748	IB		A962	100					not used	
5	3W50749	IB		A962	100					not used	
5	3W50750	BFB		A962	100					OK	
1	3W50751	ICC1928-10		A975	100			✓	✓	on	
1	3W50752	IC1928-5		A975	50			✓	✓	on	
2	3W50753	IC1928-0.5		A968	200			✓	✓	on	
2	3W50754	IC1928-0.2		A968	80			✓	✓	on	
1	3W50755	IC1928-20		A975	200			✓	✓	on	
1	3W50756	IC1928-15		A975	150			✓	✓	on	
5	3W50757	IB		A962	100			✓	✓	—	
3	3W50758	IC1928-0.1		A976	100			✓	✓	OK	
3	3W50759	IC1928-0.04		A976	40			✓	✓	OK	
1	3W50760	IC1928-30		A975	300			✓	✓	on	
5	3W50761	IB		A962	100			✓	✓	—	
1	3W50762	IC1928-40		A975	400			✓	✓	OK	
5	3W50763	IB		A962	100			✓	✓	—	
4	3W50764	ICV1928-10		A981	100			✓	✓	OK	

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

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7.8.1

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ACCUTEST

TO-14/TO-15

Batch ID: V3W1930

Date: 11/3/15

Analyst Signature: [signature]

Columns: RTX-1 60m x 0.32mm
Method: 3WT015.M
Seq. File: 3W151103.S
Initial Cal. Method: M3W1928

AS Data

Method: T015.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS6728	T015 STD	40ppbv
AS6731	T015 LCS	40ppbv
AS6733	IS / Surr.	100ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 11/5/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	3W50794	BFB		open position	400					OK	
2	3W50795	CC1928-10		A975	100			✓	✓	OK	
3	3W50796	BS		A981	100			✓	✓	OK	
3	3W50797	BSD		A981	100			✓	✓	OK	
4	3W50798	IB		A962	100			✓	✓	—	
4	3W50799	MB		A962	400			✓	✓	OK	
5	3W50800	JC7396-3CF	STD	A617	100	1		↑	↓	OK	
6	3W50801	JC7396-2	↓	A1154	50	1		✓	✓	OK	
7	3W50802	JC7396-4	↓	A1232	100	1		✓	✓	OK	
8	3W50803	SCC		A724	400	1		✓	✓	OK	
9	3W50804	JC5660-9R	SL	A1049	592	1.48		✓	✓	OK	
10	3W50805	JC7415-1	STD	A1207	100	1		✓	✓	OK	
10	3W50806	JC7415-1Dup	↓	A1207	100	1		✓	✓	OK	
11	3W50807	JC7532-1		A1247, A578	200	53.2		✓	✓	OK	RR 50m|
12	3W50808	JC7532-2		A542	100	1		✓	✓	RR	Possible C/O
13	3W50809	SCC		A347	400	1		✓	✓	OK	
14	3W50810	JC7519-1	STD	A1090	100	1		✓	✓	OK	RR40m|
15	3W50811	JC7519-2	↓	A1045	100	1		✓	✓	OK	RR40m|
16	3W50812	JC7519-3	↓	A663	100	1		↑	✓	RR	RR50m|
1	3W50813	JC7272-5	STD	A592	20	2.73		↑	✓	RR	
					YH						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
11/3/15	YH	JC7532-1	A1247	5.5	1.2	1.33	A578	1000	50	14.7	2000	40	53.2

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT003-03
Rev. Date: 6/13/06

TO-14/TO-15

ACCUTEST

Date: 11/9/15

Batch ID: V3W ~~1931~~ 1930

Analyst Signature: [signature]

Columns: RTX-1 60m x 0.32mm

Method: 3WT015.M

Seq. File: 3W151104.S

Initial Cal. Method: M3W1928

AS Data

Method: T015. MPF

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS6728	T015 STD	40 ppbv
AS6731	T015 LCS	40 ppbv
AS6733	IS/Surr.	100 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 11/5/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	3W50814	BFB		open position	400					on	
2	3W50815	CC1928-10		A975	100			/	/	not used	
2	3W50816	CC1928-10		A975	100			/	/	on	
3	3W50817	BS2		A981	100			/	/	on	
3	3W50818	BSD2		A981	100			/	/	on	
4	3W50819	IB		A962	100			/	/	—	
4	3W50820	MB2		A962	400			/	/	on	
5	3W50821	JC7272-5	STD	A992	25	2.73		/	/	on	
6	3W50822	JC7519-1	STD	A1090	50	1.48				NG	column broke
7	3W50823	JC7519-2	↓	A1045	50	1.48				not run	
8	3W50824	JC7519-3	↓	A663	50	1.38				not run	
1	3W50825	Test		open position	400					not used	
2	3W50826	Test		A975	100					not used	
	3W50827										
	3W50828										
					YH						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

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7.8.2

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ACCUTEST Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
11/4/15	YH	JC7519-1	A1090	8	1.2	1.48							
		-2	A1045	8	1.2	1.48							
		-3	A663	6.5	1.2	1.38							

Definition: Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correction Error

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Form: AT003-03
Rev. Date: 6/13/06

TO-14/TO-15

ACCUTEST

Batch ID: V5W534

Date: 8/25/15

Analyst Signature: [signature]

Columns: RTX-1 60M X 0.32mm

Method: SW TO15.M

Seq. File: 150825.S

Initial Cal. Method: MSW534

AS Data

Method: TO15.CTO

Standard Data

Lot #	Description	Conc.
AS 6625	TO15STD	40ppbv
AS 6626	TO15STD	1.0ppbv
AS 6627	YH ~~TO15LCS~~ TO15STD	0.4ppbv
AS 6628	~~IS/SUR~~ TO15LCS	40ppbv

Standard Data

Lot #	Description	Conc.
AS 6605	TO15STD	40ppbv
AS 6608	TO15LCS	40ppbv
AS 6602	IS/SURR	100ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 8/26/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	SW13504	IB		A963	100					not used	
5	SW13505	IB		A963	100					not used	
5	SW13506	IB		A963	100					not used	
5	SW13507	IB		A963	100					not used	
5	SW13508	BFB		A963	100					on	
1	SW13509	ICC534-10		A979	100			✓	✓	on	
1	SW13510	IC534-5		A979	50			✓	✓	on	
2	SW13511	IC534-0.5		A969	200			✓	✓	on	
2	SW13512	IC534-0.2		A969	80			✓	✓	on	
1	SW13513	IC534-20		A979	200			✓	✓	on	
1	SW13514	IC534-15		A979	150			✓	✓	on	
5	SW13515	IB		A963	100			✓	✓	—	
3	SW13516	IC534-0.1		A976	100			✓	✓	on	
3	SW13517	IC534-0.04		A976	40			✓	✓	on	
1	SW13518	IC534-30		A979	300			✓	✓	on	
5	SW13519	IB		A963	100			✓	✓	—	
1	SW13520	IC534-40		A979	400			✓	✓	on	
5	SW13521	IB		A963	100			✓	✓	—	
4	SW13522	ICV534-10		A967	100			✓	✓	OK	
~~—~~	~~SW13523~~	YH									
						YH					

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

TO-14/TO-15

ACCUTEST

Batch ID: V5W564

Date: 10/2/15

Analyst Signature: [signature]

Columns: RTX-1 60m x 0.32mm x 1.0µm

Method: SWT015, M

Seq. File: 151002, S

Initial Cal. Method: M5W534

AS Data

Method: T015, CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
A56664	T015 STD	40ppbv
A56665	T015 LCS	40ppbv
A56669	1,1 Surr	100ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 10/9/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	5W14132	BFB		open position	400					OK	
2	5W14133	CC534-10		A979	100			✓	✓	OK	
3	5W14134	BS		A965	100			✓	✓	OK	
3	5W14135	BSD		A965	100			✓	✓	OK	
4	5W14136	MB		A963	100			✓	✓	—	
4	5W14137	MB		A963	400			✓	✓	OK	
5	5W14138	JC5084-3	STD	~~A64~~ A640	640	1.60		✓	✓	OK	RRJOM
5	5W14139	JC5084-3DUP	✓	A640	640	1.60		✓	✓	OK	
6	5W14140	JC5084-4	✓	A746	680	1.70		✓	✓	OK	RRJOM
7	5W14141	JC5084-5	✓	A324	640	1.60		✓	✓	OK	RRJOM
8	5W14142	JC5084-6	✓	A270	592	1.48		✓	✓	OK	RRJOM
9	5W14143	JC5084-7	✓	A1029	640	1.60		✓	✓	OK	
10	5W14144	SCC		A849	400			✓	✓	OK	
11	5W14145	JC5084-1	STD	A1054	50	1.55		✓	✓	OK	
12	5W14146	JC5084-2	✓	A1190	50	1.55		✓	✓	OK	
13	5W14147	JC5085-1	✓	A236	50	1		✓	✓	OK	
14	5W14148	JC5085-2	✓	A644	200	1		✓	✓	OK	
15	5W14149	JC5250-1	STD, NAP	A573	100	1		✓	✓	OK	
16	5W14150	JC5250-2	✓	A563	100	1		✓	✓	OK	
1	5W14151	JC5250-3	✓	A516	100	1		✓	✓	OK	
4	5W14152	SCC		A612	400			✓	✓	OK	
						YH					

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

ACCUTEST Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
10/5/15	YH	JC5317-6	A1161	4	1.2	1.25	A269	6000	10	9.8	10,000	1,000	1,250
		JC5317-7	A1002	8	1.2	1.48	A288	6000	50	9.8	10,000	200	296
		JC5317-11	A1048	7	1.3	1.48	A1139	~~6000~~ 10000	50	14.7	2000	40	57.2

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correction Error

TO-14/TO-15

ACCUTEST

Date: 10/5/15

Batch ID: V5W565

Analyst Signature:

Columns: RTX-1 60mx0.32mmx1.0um
Method: SWT015.M
Seq. File: 151005.S
Initial Cal. Method: M5W534

AS Data

Method: T015.CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS6664	T015 STD	40ppbv
AS6665	T015 LCS	40ppbv
AS6664	IS/Surr.	100ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 10/9/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int/STD Areas	Surr	Status Data	Comments
1	SW14153	BFB		Open position	400					OK	
2	SW14154	CC534-10		A979	100			✓	✓	on	
3	SW14155	BS		A965	100			✓	✓	on	
3	SW14156	BSD		A965	100			✓	✓	on	
4	SW14157	IB		A963	100			✓	✓	—	
4	SW14158	MB		A963	400			✓	✓	on	
5	SW14159	JC5084-3	STD	A640	50	1.60		✓	✓	on	
6	SW14160	JC5084-4	✓	A746	50	1.70		✓	✓	on	
7	SW14161	JC5084-5	✓	A324	50	1.60		✓	✓	OK	
8	SW14162	JC5084-6	✓	A270	50	1.48		✓	✓	on	
9	SW14163	JC5289-1	✓	A654	400	1		✓	✓	on	RR20ml
9	SW14164	JC5289-1DS	✓	A654	400	1		✓	✓	on	
10	SW14165	JC5317-4	✓	A357	100	1.70		✓	✓	on	
11	SW14166	JC5317-8	✓	A743	50	1.60		✓	✓	on	
12	SW14167	JC5317-9	✓	A1113	50	1		✓	✓	on	
13	SW14168	JC5317-10	✓	A1099	20	1		✓	✓	on	RR100X
14	SW14169	See		A535				✓	✓	on	
15	SW14170	JC5317-6	STD	~~A269,A~~ YH	200	1,250		✓	✓	on	A1161,A269
16	SW14171	JC5317-7	✓	A1002,A288	200	296		✓	✓	on	
1	SW14172	JC5317-11	✓	A1048,A1139	200	57.2		✓	✓	on	RR50ml
2	SW14173	JC5317-12	✓	A343	100	1		✓	✓	on	
					YH						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error, # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

ACCUTEST

TO-14/TO-15

Batch ID: VW2080

Date: 10/22/15

Analyst Signature: [illegible]

Columns: RTX-1 60M X 0.32mm

Method: TO15WM

Seq. File: W151022.S

Initial Cal. Method: MW2080

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.
AS 6712	IS/SURR	100ppbv

Standard Data

Lot #	Description	Conc.
AS 6713	TO15 STD	40ppbv
AS ~~6714~~ 6714 M	TO15 STD	1.0ppbv
AS 6715	TO15 STD	0.4ppbv
AS 6716	TO15 LCS	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible] Date: 10/23/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W52087	BFB		A297	400					OK	
1	W52088	ICC2080-10		A967	100			✓	✓	OK	
1	W52089	IC2080-5		A967	50			✓	✓	OK	
2	W52090	IC2080-0.5		A980	200			✓	✓	OK	
2	W52091	IC2080-0.2		A980	80			✓	✓	OK	
1	W52092	IC2080-20		A967	200			✓	✓	OK	
1	W52093	IC2080-15		A967	150			✓	✓	OK	
5	W52094	IB		A297	100			✓	✓	—	
3	W52095	IC2080-0.1		A976	100			✓	✓	OK	
3	W52096	IC2080-0.04		A976	40			✓	✓	OK	
1	W52097	IC2080-30		A967	300			✓	✓	OK	
5	W52098	IB		A297	100			✓	✓	—	
1	W52099	IC2080-40		A967	400			✓	✓	OK	
5	W52100	IB		A297	100			✓	✓	—	
4	W52101	ICV2080-10		A964	100			✓	✓	OK	

YH

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

TO-14/TO-15

ACCUTEST

Batch ID: VW 2086

Date: 10/29/15

Analyst Signature: [illegible]

Columns: RTX-1 60m x 0.32mm

Method: T015W.M

Seq. File: ~~W18~~ W151029.S

Initial Cal. Method: MW2080

AS Data

Method: T015. MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS6713	T015 STD	40 ppbv
AS6716	T015 LCS	40 ppbv
AS6712	IS/Surr.	100 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible] Date: 11/2/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	W52206	BFB		open position	400					OK	
2	W52207	CC2080-10		A467	100			✓	✓	OK	
3	W52208	BS		A964	100			✓	✓	OK	
3	W52209	BSD		A964	100			✓	✓	OK	
4	W52210	IB		A297	100			✓	✓	—	
4	W52211	MB		A297	400			✓	✓	OK	
5	W52212	JC7046-4	STD+GC	A261	20	1.43		✓	✓	OK	
6	W52213	JC7080-5	STD+GC	A566, A105	100	1.430		✓	✓	OK	
6	W52214	JC7080-5	↓	A566, A105	40	1.430		✓	✓	OK	
7	W52215	JC7080-2	↓	A788, A710	20	1.180		✓	✓	RR	data not match
8	W52216	JC7080-3	↓	A1143, A1027	20	1.380		✓	✓	RR	data not match
9	W52217	JC7080-4	↓	A725, A841	20	1.380		✓	✓	OK	
10	W52218	SCC		A1215	400	1		✓	✓	RR	TOC hit
11	W52219	JC7140-1	PAD+TMB	A643	100	1		✓	✓	OK	
11	W52220	JC7140-10up	↓	A643	100	1		✓	✓	OK	
12	W52221	JC7140-2	↓	A254	100	1		✓	✓	OK	
13	W52222	JC5906-1R	SL	A1181	400	1		✓	✓	OK	
14	W52223	JC5906-2R	↓	A1037	620	1.55		✓	✓	OK	
15	W52224	SCC		A542	400	1		✓	✓	OK	
16	W52225	JC7109-1	STD	A457	100	1		✓	✓	OK	
1	W52226	JC7109-2	↓	A845	100	1		✓	✓	OK	
2	W52227	JC7109-3	↓	A851	100	1		✓	✓	OK	
3	W52228	JC7109-4	↓	A753	100	1		✓	✓	OK	
4	W52229	JC7272-1	STD	A509	100	1		✓	✓	OK	OR MOX
5	W52230	JC7272-2	↓	A490	100	1		✓	✓	OK	
6	W52231	JC7272-3	↓	A682	100	1		✓	✓	OK	
7	W52232	JC7272-4	↓	A427	100	1		✓	✓	OK	
8	W52233	JC7272-5	↓	A592	100	1		✓	✓	OK	
9	W52234	JC7272-6	↓	A1222	100	1		✓	✓	OK	
	~~W52235~~										

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error, # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

7.8.7

7

Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
10/29/15	YH	JC70080-5	A566	7	1.3	1.43	A105	6000	10	9.8	10,000	1,000	1,430

Definition: Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correction Error

Form: AT003-03
Rev. Date: 6/13/06

TO-14/TO-15

ACCUTEST

Date: 10/30/15

Batch ID: VW2087

Analyst Signature: [illegible]

Columns: RTX-1 60m X 0.32mm

Method: T015W, M

Seq. File: W 15/030, S

Initial Cal. Method: MW2080

AS Data

Method: T015 · MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS6713	T015 STD	40 ppbv
AS6716	T015 LCS	40 ppbv
AS6712	15/Surr.	100 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible] Date: 11/2/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	W52235	BFB		open position	400					OK	
2	W52236	CC2080-10		A967	100			✓	✓	OK	
3	W52237	BS		A964	100			✓	✓	OK	
3	W52238	BSD		A964	100			✓	✓	RR	bad purge
3	W52239	BSD		A964	100			✓	✓	OK	
4	W52240	IB		A297	100			✓	✓	—	
4	W52241	MB		A297	400			✓	✓	OK	
5	W52242	JC7080-2	STD+BC	A788, A710	20	1,180		✓	✓	OK	
6	W52243	JC7080-3	↓	A1143, A1027	20	1,380		✓	✓	OK	
7	W52244	JC7121-1	STD	A211	100	1		✓	✓	OK	
YH 8/7	W52245	JC7121-1Dup	↓	A211	100	1		✓	✓	OK	
8	W52246	JC7121-2	↓	A363	20	1		✓	✓	OK	[illegible]
9	W52247	SCC		A1215	400	1		✓	✓	OK	
10	W52248	JC7271-1	STD+	A899	100	1		✓	✓	OK	
11	W52249	JC7271-2	↓	A483	100	1		✓	✓	OK	
12	W52250	FA28749-1	SL	A362, A791	200	59.2		✓	✓	OK	[illegible]
13	W52251	FA28749-2	↓	A1178, A798	200	68		✓	✓	OK	[illegible]
14	W52252	FA28749-3	↓	A309	20	1.55		✓	✓	OK	[illegible]
15	W52253	FA28749-4	↓	A861, A684	200	59.2		✓	✓	OK	[illegible]
16	W52254	SCC		A527	400	1		✓	✓	OK	
1	W52255	JC7272-1	STD	A509, A408	200	50		✓	✓	OK	
2	W52256	JC7272-4	↓	A427	20	1		✓	✓	OK	
3	W52257	JC7272-5	↓	A592	20	2.73		✓	✓	OK	
4	W52258	JC7342-1	STD	A1131	100	1		✓	✓	OK	
5	W52259	JC7342-2	↓	A614	100	1		✓	✓	OK	
6	W52260	JC7342-3	↓	A409	100	1		✓	✓	OK	
					YH						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error, # 2 = [illegible], # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

7.8.8

7

ACCUTEST Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
10/30/15	YH	FA28749-1	A362	8	1.2	1.48	A791	1000	50	14.7	2000	40	59.2
↓	↓	↓ -2	A1178	11	1.1	1.70	A798	1000	50	14.7	2000	40	68
		↓ -4	A861	8	1.2	1.48	A684	1000	50	14.7	2000	40	59.2
		JC7272-1	A509	4	1.2	1.25	A408	1000	50	14.7	2000	40	50
↓	↓	↓ -5	A592	8	14.7 ~~1.2~~	2.73							

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correction Error

Form: AT003-03
Rev. Date: 6/13/06

New Jersey
ACCUTEST LABORATORIES

01/05/16

Effective January 1, 2016, SGS has acquired all of the assets of Accutest Laboratories and will continue to operate as SGS-Accutest. SGS-Accutest is part of SGS, the world's leading inspection, verification, testing and certification company.

Technical Report for

Equity Environmental Engineering

95 South 5th Street, Brooklyn, NY

2015059

Accutest Job Number: JC11091

Sampling Dates: 12/17/15 - 12/18/15

Report to:

Equity Environmental Engineering
500 International Drive Suite 150
Mount Olive, NJ 07828
Bob.Jackson@EquityEnvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **365**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy T. Cole
Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Accutest Laboratories

Sample Summary

Equity Environmental Engineering

Job No: JC11091

95 South 5th Street, Brooklyn, NY
Project No: 2015059

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC11091-1	12/17/15	11:11	FU	12/18/15	AIR	Soil Vapor Comp.	SS-10
JC11091-2	12/17/15	11:15	FU	12/18/15	AIR	Soil Vapor Comp.	SS-11
JC11091-3	12/17/15	11:38	FU	12/18/15	AIR	Soil Vapor Comp.	SS-14
JC11091-4	12/17/15	11:48	FU	12/18/15	AIR	Soil Vapor Comp.	SS-13
JC11091-5	12/18/15	10:20	FU	12/18/15	AIR	Soil Vapor Comp.	SS-12

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Equity Environmental Engineering	**Job No**	JC11091
Site:	95 South 5th Street, Brooklyn, NY	**Report Date**	1/5/2016 6:27:45 PM

On 12/18/2015, 5 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories . Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC11091 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix: AIR **Batch ID:** V5W613

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC11091-1DUP were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC11091
Account: Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Collected: 12/17/15 thru 12/18/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC11091-1	**SS-10**					
Trichloroethylene		5.8	0.16	0.10	ppbv	TO-15
Trichloroethylene		31	0.86	0.54	ug/m3	TO-15
JC11091-2	**SS-11**					
Tetrachloroethylene		3.5	0.16	0.095	ppbv	TO-15
Trichloroethylene		5.3	0.16	0.10	ppbv	TO-15
Tetrachloroethylene		24	1.1	0.64	ug/m3	TO-15
Trichloroethylene		28	0.86	0.54	ug/m3	TO-15
JC11091-3	**SS-14**					
Tetrachloroethylene		0.30	0.16	0.095	ppbv	TO-15
Trichloroethylene		5.3	0.16	0.10	ppbv	TO-15
Tetrachloroethylene		2.0	1.1	0.64	ug/m3	TO-15
Trichloroethylene		28	0.86	0.54	ug/m3	TO-15
JC11091-4	**SS-13**					
Tetrachloroethylene		0.11 J	0.16	0.095	ppbv	TO-15
Trichloroethylene		3.4	0.16	0.10	ppbv	TO-15
Tetrachloroethylene		0.75 J	1.1	0.64	ug/m3	TO-15
Trichloroethylene		18	0.86	0.54	ug/m3	TO-15
JC11091-5	**SS-12**					
Tetrachloroethylene		0.86	0.16	0.095	ppbv	TO-15
Trichloroethylene		0.64	0.16	0.10	ppbv	TO-15
Tetrachloroethylene		5.8	1.1	0.64	ug/m3	TO-15
Trichloroethylene		3.4	0.86	0.54	ug/m3	TO-15

New Jersey

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Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: SS-10
Lab Sample ID: JC11091-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A682
Method: TO-15
Project: 95 South 5th Street, Brooklyn, NY

Date Sampled: 12/17/15
Date Received: 12/18/15
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W15318.D	1	12/23/15	TCH	n/a	n/a	V5W613
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.13	ppbv		ND	4.4	0.71	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.095	ppbv		ND	1.1	0.64	ug/m3
79-01-6	131.4	Trichloroethylene	5.8	0.16	0.10	ppbv		31	0.86	0.54	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SS-11		
Lab Sample ID:	JC11091-2	**Date Sampled:**	12/17/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A541	**Date Received:**	12/18/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W15320.D	1	12/24/15	TCH	n/a	n/a	V5W613
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.13	ppbv		ND	4.4	0.71	ug/m3
127-18-4	165.8	Tetrachloroethylene	3.5	0.16	0.095	ppbv		24	1.1	0.64	ug/m3
79-01-6	131.4	Trichloroethylene	5.3	0.16	0.10	ppbv		28	0.86	0.54	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SS-14		
Lab Sample ID:	JC11091-3	**Date Sampled:**	12/17/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1146	**Date Received:**	12/18/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W15321.D	1	12/24/15	TCH	n/a	n/a	V5W613
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.13	ppbv		ND	4.4	0.71	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.30	0.16	0.095	ppbv		2.0	1.1	0.64	ug/m3
79-01-6	131.4	Trichloroethylene	5.3	0.16	0.10	ppbv		28	0.86	0.54	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SS-13		
Lab Sample ID:	JC11091-4	**Date Sampled:**	12/17/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A680	**Date Received:**	12/18/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W15322.D	1	12/24/15	TCH	n/a	n/a	V5W613
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.13	ppbv		ND	4.4	0.71	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.11	0.16	0.095	ppbv	J	0.75	1.1	0.64	ug/m3
79-01-6	131.4	Trichloroethylene	3.4	0.16	0.10	ppbv		18	0.86	0.54	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SS-12		
Lab Sample ID:	JC11091-5	**Date Sampled:**	12/18/15
Matrix:	AIR - Soil Vapor Comp. Summa ID: A804	**Date Received:**	12/18/15
Method:	TO-15	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W15323.D	1	12/24/15	TCH	n/a	n/a	V5W613
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.13	ppbv		ND	4.4	0.71	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.86	0.16	0.095	ppbv		5.8	1.1	0.64	ug/m3
79-01-6	131.4	Trichloroethylene	0.64	0.16	0.10	ppbv		3.4	0.86	0.54	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2015 MDL Study - Method: TO-15

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Air Sampling Field Data Sheet

FED-EX Tracking #:
Lab Quote #:
Bottle Order Control #: MV-12/14/2015-882
Lab Job #: JC11091

PAGE 1 OF 1

Client / Reporting Information

Company Name: EQUITY ENVIRONMENTAL ENGINEERING
Address: 500 INTERNATIONAL DRIVE, SUITE 150
City: MT. OLIVE State: NJ Zip: 07828
Project Contact: BOB JACKSON E-mail: BOB.JACKSON@EQUITYENVIRONMENTAL.COM
Phone #: 973-527-7451 Fax #: 973-8
Sampler(s) Name(s): Frank Urilov & Faron Moser

Project Name: South 5th Street
Street: 95 South 5th Street
City: Brooklyn State: NY
Project #: 2015059
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 58°F Maximum:
Stop: 58°F Minimum:

Atmoshpheric Pressure (inches of Hg)
Start: 30.0 inHg Maximum:
Stop: 29.94 inHg Minimum:

Other weather comment:

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: Standard TO-15 Reporting List
~~SS-10~~ FU	SS-10	SV	A682	1L	FC487	12/17/15	0836	30	58°	FU	12/17/15	1111	2	58	FU	X
2	SS-11	SV	A541	1L	FC289	12/17/15	0856	27	58°	FU	12/17/15	1115	3	58	FU	X
3	SS-14	SV	A1146	1L	FC718	12/17/15	0925	27	58°	FU	12/17/15	1138	0	58	FU	X
4	SS-13	SV	A680	1L	FC676	12/17/15	0932	30	58°	FU	12/17/15	1148	4	58	FU	X
5	SS-12	SV	A804	1L	FC482	12/18/15	0812	29	50°	FU	12/18/15	1020	4	50	FU	X

SUMMA

Turnaround Time (Business days)

Standard - 15 Days: X
10 Day
5 Day
3 Day
2 Day
1 Day
Other

Approved By:
INITIAL ASSESSMENT NL4A
LABEL VERIFICATION 09
Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other: NY Cat. B

Comments / Remarks

Temp Start on 12/18/15: 50°F
Temp End on 12/18/15: 50°F
Atmospheric Pressure Start on 12/18/15: 29.80
Atmospheric Pressure End on 12/18/15: 29.77

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by/Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Jorge Polanco	12/14/15 2100	1	2	1345 12/15/15	2
3 Faron Moser	12-18-15/1630	3	4 Weather	12/18/15 1930	4
5		5	Custody Seal # 248		

JC11091: Chain of Custody

Page 1 of 5

ACCUTEST LABORATORIES

UNUSED SUMMA CANISTER RETURN FORM

CLIENT: Equity Environmental

JOB # JC11091

PROJECT:

B/O #

UNUSED SUMMA CANS

6 A581

UNUSED FLOW CONTROLLERS

(*) FC327

RECEIVED VIA: Accutest driver

AIRBILL #

(ATTACH ANY CLIENT PAPERWORK, DOCUMENTATION, OR AIRBILLS IF NECESSARY)

RECEIVED BY:

DATE/TIME: 12/18/15 1930

NOTES: (*) Note enclosed received from client - FC does not work correctly

5.1 5

JC11091: Chain of Custody

Page 2 of 5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JC11091 **Client:** EQUITY Environmental **Project:** South 5th Street

Date / Time Received: 12/18/2015 7:30:00 PM **Delivery Method:** Other Courier **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☐	☐
2. Cooler temp verification:	N/A	
3. Cooler media:	N/A	
4. No, Coolers	N/A	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments -6 FC327 noted by client as being faulty.

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JC11091: Chain of Custody
Page 3 of 5

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JC11091

Initiator: ANDREWS

CSR: MV

Response Date: 12/21/2015

Response: Proceed as noted. Client had me us aware that they had problems with this Canister / Flow controller combination.

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JC11091: Chain of Custody

ACCUTEST LABORATORIES

Job Change Order: JC11091

Requested Date:	12/23/2015	**Received Date:**	12/18/2015
Account Name:	Equity Environmental Engineering	**Due Date:**	1/4/2016
Project Description:	95 South 5th Street, Brooklyn, NY	**Deliverable:**	NYASPB
CSR:	MartyV	**TAT (Days):**	14

==========

Sample #: JC11091-All

Dept:

TAT: 14

Change:

Change test to VTO15TCE, VMS+PCE and VMS+11TCA- Client only needs these 3 compounds reported.

==========

Above Changes Per: Bob Jackson

Date/Time: 12/23/2015 4:51:20 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Summa Canister and Flow Controller Log

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Received: 12/18/15

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A682	1	29.4	12/14/15	RD	CP8114	W52896.D	JC11091-1	12/21/15	RD	0			1
A541	1	29.4	12/14/15	RD	CP8103	5W15039.D	JC11091-2	12/21/15	RD	1			1
A1146	1	29.4	12/14/15	RD	CP8114	W52896.D	JC11091-3	12/21/15	RD	1.5			1
A680	1	29.4	12/14/15	RD	CP8114	W52896.D	JC11091-4	12/21/15	RD	1			1
A804	1	29.4	12/17/15	LM	CP8119	W52952.D	JC11091-5	12/21/15	RD	1			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving			
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Equipment Type
FC289	12/14/15	RD	6.3	2	12/22/15	RD	6.8	Flow Controller
FC327	12/14/15	RD	6.3	2	12/22/15	RD	6.6	Flow Controller
FC482	12/17/15	LM	6.3	24	12/22/15	RD	6.8	Flow Controller
FC487	12/14/15	RD	6.3	2	12/22/15	RD	6.6	Flow Controller
FC676	12/14/15	RD	6.3	2	12/22/15	RD	6.9	Flow Controller
FC718	12/14/15	RD	6.3	2	12/22/15	RD	6.6	Flow Controller

Accutest Bottle Order(s):
MS-12/17/2015-1269
MV-12_14_2015-882

Prep Date	Room Temp(F)	Bar Pres "Hg
12/14/15	70	29.92
12/17/15	70	29.92

Internal Sample Tracking Chronicle

Equity Environmental Engineering

95 South 5th Street, Brooklyn, NY
Project No: 2015059

Job No: JC11091

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC11091-1 SS-10	Collected: 17-DEC-15 11:11 By: FU		Received: 18-DEC-15 By: AS			
JC11091-1	TO-15	23-DEC-15 23:23	TCH			VMS+ 111TCA,VMS+ PCE,VTO15TCE
JC11091-2 SS-11	Collected: 17-DEC-15 11:15 By: FU		Received: 18-DEC-15 By: AS			
JC11091-2	TO-15	24-DEC-15 00:50	TCH			VMS+ 111TCA,VMS+ PCE,VTO15TCE
JC11091-3 SS-14	Collected: 17-DEC-15 11:38 By: FU		Received: 18-DEC-15 By: AS			
JC11091-3	TO-15	24-DEC-15 01:32	TCH			VMS+ 111TCA,VMS+ PCE,VTO15TCE
JC11091-4 SS-13	Collected: 17-DEC-15 11:48 By: FU		Received: 18-DEC-15 By: AS			
JC11091-4	TO-15	24-DEC-15 02:16	TCH			VMS+ 111TCA,VMS+ PCE,VTO15TCE
JC11091-5 SS-12	Collected: 18-DEC-15 10:20 By: FU		Received: 18-DEC-15 By: AS			
JC11091-5	TO-15	24-DEC-15 03:01	TCH			VMS+ 111TCA,VMS+ PCE,VTO15TCE

Accutest Internal Chain of Custody

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Received: 12/18/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC11091-1.1	Oleg Berenzon	Secured Storage	12/18/15 21:29	Return to Storage
JC11091-1.1	Secured Storage	Thomas Hilbig	12/23/15 17:23	Retrieve from Storage
JC11091-1.1	Thomas Hilbig	GCMS5W	12/23/15 17:23	Load on Instrument
JC11091-1.1	GCMS5W	Dana Tryon	12/24/15 17:46	Unload from Instrument
JC11091-1.1	Dana Tryon	Air Storage	12/24/15 17:46	Return to Storage
JC11091-2.1	Oleg Berenzon	Secured Storage	12/18/15 21:29	Return to Storage
JC11091-2.1	Secured Storage	Thomas Hilbig	12/23/15 17:23	Retrieve from Storage
JC11091-2.1	Thomas Hilbig	GCMS5W	12/23/15 17:23	Load on Instrument
JC11091-2.1	GCMS5W	Dana Tryon	12/24/15 17:46	Unload from Instrument
JC11091-2.1	Dana Tryon	Air Storage	12/24/15 17:46	Return to Storage
JC11091-3.1	Oleg Berenzon	Secured Storage	12/18/15 21:29	Return to Storage
JC11091-3.1	Secured Storage	Thomas Hilbig	12/23/15 17:23	Retrieve from Storage
JC11091-3.1	Thomas Hilbig	GCMS5W	12/23/15 17:23	Load on Instrument
JC11091-3.1	GCMS5W	Dana Tryon	12/24/15 17:46	Unload from Instrument
JC11091-3.1	Dana Tryon	Air Storage	12/24/15 17:46	Return to Storage
JC11091-4.1	Oleg Berenzon	Secured Storage	12/18/15 21:29	Return to Storage
JC11091-4.1	Secured Storage	Thomas Hilbig	12/23/15 17:23	Retrieve from Storage
JC11091-4.1	Thomas Hilbig	GCMS5W	12/23/15 17:23	Load on Instrument
JC11091-4.1	GCMS5W	Dana Tryon	12/24/15 17:46	Unload from Instrument
JC11091-4.1	Dana Tryon	Air Storage	12/24/15 17:46	Return to Storage
JC11091-5.1	Oleg Berenzon	Secured Storage	12/18/15 21:29	Return to Storage
JC11091-5.1	Secured Storage	Thomas Hilbig	12/23/15 17:23	Retrieve from Storage
JC11091-5.1	Thomas Hilbig	GCMS5W	12/23/15 17:23	Load on Instrument
JC11091-5.1	GCMS5W	Dana Tryon	12/24/15 17:46	Unload from Instrument
JC11091-5.1	Dana Tryon	Air Storage	12/24/15 17:46	Return to Storage

Accutest Laboratories Annual Method Detection Limit Determination
Dayton, NJ Facility

Method: TO-15 (VTO14/15)
Instrument(s): GCMSW, GCMS3W, GCMS5W
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2015

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
Acetone	7-Jan-15	0.1	0.111	0.088	0.102	0.083	0.090	0.088	0.101	0.095	94.57	0.010	0.032	3.16
Acrolein	24-Jan-15	0.1	0.059	0.090	0.071	0.042	0.048	0.066	0.047	0.061	60.50	0.017	0.052	1.92
Acrylonitrile	3-Jan-15	0.2	0.171	0.185	0.174	0.183	0.164	0.178	0.177	0.176	87.99	0.007	0.023	8.89
Acetonitrile	7-Jan-15	0.2	0.223	0.231	0.216	0.234	0.216	0.170	0.221	0.216	108.00	0.021	0.067	2.99
1,3-Butadiene	7-Jan-15	0.1	0.106	0.090	0.107	0.086	0.104	0.114	0.102	0.101	101.28	0.010	0.031	3.22
Benzene	7-Jan-15	0.1	0.103	0.088	0.103	0.084	0.106	0.107	0.105	0.100	99.66	0.009	0.030	3.37
Bromobenzene	7-Jan-15	0.2	0.176	0.200	0.186	0.188	0.198	0.191	0.208	0.192	96.18	0.011	0.034	5.98
Bromodichloromethane	7-Jan-15	0.1	0.101	0.090	0.105	0.082	0.106	0.102	0.110	0.099	99.37	0.010	0.032	3.16
Bromoform	7-Jan-15	0.2	0.173	0.186	0.190	0.180	0.187	0.176	0.187	0.183	91.42	0.007	0.020	9.82
Bromomethane	7-Jan-15	0.2	0.210	0.212	0.222	0.213	0.227	0.218	0.226	0.218	109.16	0.007	0.022	9.19
Bromoethene	7-Jan-15	0.2	0.195	0.208	0.212	0.199	0.205	0.199	0.210	0.204	101.99	0.006	0.020	9.88
n-Butane	3-Jan-15	0.2	0.205	0.172	0.186	0.202	0.206	0.228	0.187	0.198	98.97	0.018	0.057	3.52
Benzyl Chloride	7-Jan-15	0.1	0.070	0.058	0.069	0.053	0.075	0.066	0.075	0.067	66.54	0.008	0.026	3.84
n-Butylbenzene	23-Jan-15	0.2	0.115	0.105	0.102	0.092	0.098	0.079	0.077	0.095	47.67	0.014	0.043	4.65
sec-Butylbenzene	7-Jan-15	0.2	0.131	0.148	0.133	0.140	0.151	0.145	0.138	0.141	70.42	0.007	0.023	8.65
tert-Butylbenzene	7-Jan-15	0.1	0.083	0.065	0.083	0.058	0.072	0.087	0.079	0.075	75.38	0.011	0.033	3.04
Carbon disulfide	7-Jan-15	0.2	0.205	0.226	0.220	0.222	0.206	0.208	0.223	0.216	107.78	0.009	0.029	7.03
Chlorobenzene	7-Jan-15	0.1	0.098	0.083	0.108	0.081	0.101	0.101	0.104	0.097	96.51	0.010	0.032	3.10
Chlorodifluoromethane	23-Jan-15	0.2	0.155	0.150	0.151	0.122	0.155	0.142	0.148	0.146	73.10	0.011	0.036	5.57
Chloroethane	7-Jan-15	0.2	0.214	0.206	0.214	0.204	0.208	0.216	0.224	0.212	106.15	0.007	0.022	9.29
Chloroform	7-Jan-15	0.1	0.105	0.095	0.104	0.084	0.115	0.108	0.105	0.102	102.20	0.010	0.031	3.21
Chloromethane	23-Jan-15	0.2	0.205	0.192	0.202	0.211	0.191	0.185	0.192	0.197	98.43	0.009	0.029	6.93
3-Chloropropene	7-Jan-15	0.2	0.195	0.199	0.202	0.203	0.219	0.191	0.198	0.201	100.52	0.009	0.028	7.27
2-Chlorotoluene	7-Jan-15	0.2	0.164	0.194	0.175	0.176	0.181	0.185	0.192	0.181	90.41	0.010	0.033	6.09
Carbon tetrachloride	7-Jan-15	0.1	0.106	0.089	0.104	0.090	0.104	0.106	0.106	0.101	100.77	0.008	0.025	4.07
Cyclohexane	7-Jan-15	0.2	0.207	0.205	0.226	0.209	0.228	0.204	0.219	0.214	107.01	0.010	0.032	6.26
1,1-Dichloroethane	7-Jan-15	0.1	0.108	0.092	0.116	0.093	0.111	0.114	0.112	0.107	106.49	0.010	0.031	3.24
1,1-Dichloroethylene	7-Jan-15	0.1	0.108	0.102	0.101	0.085	0.111	0.111	0.102	0.103	102.92	0.009	0.028	3.53
1,2-Dibromoethane	7-Jan-15	0.1	0.101	0.077	0.101	0.077	0.096	0.089	0.104	0.092	92.08	0.011	0.035	2.83
1,2-Dichloroethane	7-Jan-15	0.1	0.095	0.086	0.101	0.081	0.104	0.097	0.102	0.095	95.15	0.008	0.026	3.81
1,2-Dichloropropane	7-Jan-15	0.1	0.119	0.119	0.145	0.123	0.143	0.162	0.137	0.136	135.47	0.016	0.050	1.99

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMSW, GCMS3W, GCMS5W
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2015

Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	Replicate Spikes R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
1,4-Dioxane	7-Jan-15	0.2	0.164	0.208	0.217	0.207	0.224	0.212	0.220	0.207	103.65	0.020	0.063	3.17
Dichlorodifluoromethane	7-Jan-15	0.1	0.125	0.103	0.125	0.096	0.126	0.113	0.112	0.114	114.38	0.012	0.037	2.72
Dichlorofluoromethane	3-Jan-15	0.2	0.221	0.227	0.227	0.227	0.226	0.239	0.242	0.230	114.92	0.008	0.024	8.36
Dibromochloromethane	7-Jan-15	0.1	0.102	0.087	0.110	0.075	0.107	0.106	0.108	0.099	99.41	0.013	0.041	2.42
Dibromomethane	7-Jan-15	0.2	0.195	0.202	0.204	0.217	0.197	0.203	0.208	0.204	101.84	0.007	0.023	8.74
trans-1,2-Dichloroethylene	7-Jan-15	0.2	0.173	0.176	0.191	0.185	0.181	0.185	0.188	0.183	91.36	0.006	0.020	9.88
cis-1,2-Dichloroethylene	7-Jan-15	0.1	0.104	0.085	0.095	0.085	0.101	0.102	0.093	0.095	94.96	0.008	0.025	4.04
cis-1,3-Dichloropropene	7-Jan-15	0.1	0.088	0.068	0.096	0.068	0.088	0.089	0.093	0.084	84.02	0.011	0.035	2.84
m-Dichlorobenzene	7-Jan-15	0.2	0.125	0.151	0.140	0.140	0.147	0.146	0.149	0.143	71.34	0.009	0.028	7.25
o-Dichlorobenzene	7-Jan-15	0.1	0.082	0.064	0.080	0.066	0.085	0.090	0.080	0.078	78.12	0.010	0.030	3.34
p-Dichlorobenzene	3-Jan-15	0.1	0.113	0.105	0.109	0.101	0.098	0.097	0.099	0.103	103.33	0.006	0.019	5.21
trans-1,3-Dichloropropene	7-Jan-15	0.1	0.070	0.078	0.083	0.067	0.084	0.078	0.082	0.077	77.42	0.007	0.020	4.90
Di-Isopropyl ether	7-Jan-15	0.1	0.086	0.082	0.089	0.081	0.093	0.076	0.096	0.086	86.21	0.007	0.022	4.59
2,3-Dimethylpentane	7-Jan-15	0.2	0.274	0.264	0.270	0.276	0.263	0.266	0.284	0.271	135.44	0.008	0.023	8.53
2,4-Dimethylpentane	7-Jan-15	0.2	0.190	0.198	0.207	0.198	0.200	0.195	0.209	0.200	99.80	0.007	0.021	9.77
Ethanol	7-Jan-15	0.2	0.334	0.401	0.403	0.423	0.387	0.325	0.375	0.378	189.08	0.036	0.114	1.75
Ethylbenzene	23-Jan-15	0.2	0.171	0.157	0.166	0.151	0.152	0.131	0.132	0.152	75.73	0.015	0.048	4.15
Ethyl Acetate	7-Jan-15	0.2	0.158	0.205	0.190	0.182	0.170	0.162	0.210	0.182	91.19	0.020	0.064	3.15
4-Ethyltoluene	7-Jan-15	0.2	0.143	0.147	0.154	0.161	0.160	0.153	0.161	0.154	77.02	0.007	0.022	9.12
Freon 113	7-Jan-15	0.1	0.100	0.093	0.108	0.084	0.107	0.106	0.104	0.100	100.16	0.009	0.027	3.71
Freon 114	7-Jan-15	0.2	0.213	0.234	0.217	0.222	0.226	0.215	0.230	0.222	111.19	0.008	0.025	8.02
Freon 115	7-Jan-15	0.1	0.127	0.113	0.122	0.106	0.108	0.133	0.118	0.118	118.23	0.010	0.031	3.21
Freon 123	7-Jan-15	0.2	0.209	0.214	0.216	0.219	0.212	0.210	0.228	0.215	107.67	0.007	0.021	9.58
Freon 123A	7-Jan-15	0.1	0.104	0.092	0.109	0.087	0.109	0.098	0.101	0.100	100.01	0.008	0.026	3.86
Freon 141B	7-Jan-15	0.2	0.209	0.216	0.222	0.218	0.219	0.206	0.229	0.217	108.49	0.008	0.025	8.06
Freon 142B	7-Jan-15	0.1	0.107	0.103	0.117	0.094	0.120	0.121	0.118	0.112	111.45	0.010	0.032	3.11
Freon 143a	3-Jan-15	0.1	0.116	0.093	0.116	0.119	0.062	0.115	0.119	0.106	105.72	0.021	0.067	1.50
Freon 152A	7-Jan-15	0.1	0.107	0.103	0.117	0.094	0.120	0.121	0.118	0.112	111.45	0.010	0.032	3.11
Heptane	7-Jan-15	0.2	0.242	0.246	0.241	0.222	0.244	0.231	0.248	0.239	119.55	0.009	0.029	6.80
Hexachlorobutadiene	7-Jan-15	0.2	0.147	0.171	0.176	0.175	0.173	0.160	0.171	0.168	83.78	0.011	0.033	6.08
Hexachloroethane	7-Jan-15	0.2	0.171	0.189	0.213	0.215	0.211	0.198	0.209	0.201	100.46	0.016	0.051	3.96
Hexane	7-Jan-15	0.1	0.106	0.092	0.102	0.084	0.106	0.107	0.099	0.100	99.56	0.009	0.028	3.63
2-Hexanone	23-Jan-15	0.2	0.130	0.126	0.110	0.108	0.107	0.092	0.097	0.110	54.91	0.014	0.044	4.55
Iodomethane	7-Jan-15	0.2	0.200	0.208	0.201	0.209	0.207	0.198	0.218	0.206	102.92	0.007	0.021	9.34

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMSW, GCMS3W, GCMS5W
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2015

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
Isopropylbenzene	7-Jan-15	0.2	0.189	0.199	0.203	0.198	0.204	0.195	0.209	0.199	99.71	0.007	0.021	9.71
Isopropyl Alcohol	7-Jan-15	0.2	0.188	0.282	0.202	0.256	0.199	0.184	0.242	0.222	110.93	0.038	0.120	1.67
p-Isopropyltoluene	7-Jan-15	0.2	0.120	0.126	0.130	0.139	0.136	0.115	0.126	0.127	63.62	0.008	0.026	7.57
Methylene chloride	7-Jan-15	0.2	0.220	0.227	0.223	0.235	0.231	0.221	0.235	0.227	113.69	0.007	0.021	9.78
Methyl ethyl ketone	23-Jan-15	0.2	0.158	0.144	0.150	0.145	0.152	0.122	0.117	0.141	70.53	0.016	0.049	4.11
Methyl Isobutyl Ketone	7-Jan-15	0.2	0.144	0.150	0.147	0.153	0.171	0.151	0.154	0.153	76.36	0.009	0.027	7.39
Methyl Tert Butyl Ether	7-Jan-15	0.1	0.095	0.086	0.104	0.080	0.097	0.098	0.099	0.094	94.30	0.008	0.026	3.88
Methylmethacrylate	7-Jan-15	0.1	0.083	0.070	0.094	0.070	0.083	0.089	0.091	0.083	82.96	0.010	0.030	3.29
Naphthalene	3-Jan-15	0.1	0.129	0.105	0.102	0.093	0.087	0.083	0.081	0.097	97.15	0.017	0.053	1.89
Nonane	7-Jan-15	0.1	0.111	0.079	0.103	0.077	0.106	0.099	0.104	0.097	96.93	0.013	0.042	2.37
Octane	7-Jan-15	0.2	0.220	0.231	0.245	0.226	0.242	0.212	0.229	0.229	114.67	0.011	0.036	5.59
Pentane	23-Jan-15	0.2	0.186	0.208	0.201	0.165	0.190	0.180	0.167	0.185	92.69	0.016	0.051	3.93
n-Propylbenzene	7-Jan-15	0.2	0.165	0.152	0.162	0.173	0.167	0.154	0.158	0.162	80.80	0.007	0.023	8.63
Propylene	7-Jan-15	0.2	0.267	0.234	0.281	0.232	0.293	0.266	0.296	0.267	133.51	0.026	0.081	2.47
Styrene	7-Jan-15	0.1	0.082	0.065	0.078	0.060	0.078	0.079	0.076	0.074	74.00	0.008	0.026	3.89
1,1,1-Trichloroethane	7-Jan-15	0.2	0.199	0.198	0.221	0.210	0.221	0.202	0.215	0.209	104.71	0.010	0.032	6.35
1,1,1,2-Tetrachloroethane	7-Jan-15	0.2	0.189	0.213	0.226	0.216	0.203	0.207	0.217	0.210	105.06	0.012	0.037	5.36
1,1,2,2-Tetrachloroethane	7-Jan-15	0.2	0.188	0.192	0.206	0.206	0.205	0.201	0.217	0.202	101.04	0.010	0.030	6.57
1,1,2-Trichloroethane	7-Jan-15	0.2	0.179	0.190	0.200	0.198	0.209	0.188	0.209	0.196	98.08	0.011	0.036	5.63
1,2,4-Trichlorobenzene	3-Jan-15	0.1	0.115	0.098	0.095	0.084	0.083	0.077	0.076	0.090	89.76	0.014	0.044	2.28
1,2,3-Trichloropropane	7-Jan-15	0.1	0.098	0.079	0.106	0.073	0.097	0.101	0.098	0.093	93.22	0.012	0.039	2.59
1,2,4-Trimethylbenzene	7-Jan-15	0.2	0.146	0.153	0.162	0.164	0.156	0.153	0.167	0.157	78.65	0.007	0.023	8.68
1,3,5-Trimethylbenzene	7-Jan-15	0.2	0.160	0.164	0.178	0.186	0.169	0.173	0.182	0.173	86.54	0.010	0.030	6.65
2,2,4-Trimethylpentane	7-Jan-15	0.2	0.213	0.209	0.221	0.214	0.229	0.214	0.221	0.217	108.69	0.007	0.021	9.38
Tertiary Butyl Alcohol	23-Jan-15	0.2	0.205	0.205	0.206	0.204	0.216	0.178	0.174	0.198	99.21	0.016	0.050	4.02
Tetrachloroethylene	7-Jan-15	0.2	0.212	0.216	0.229	0.227	0.230	0.214	0.226	0.222	111.06	0.008	0.024	8.40
Tetrahydrofuran	23-Jan-15	0.2	0.141	0.130	0.114	0.116	0.113	0.106	0.101	0.117	58.55	0.014	0.043	4.61
Toluene	7-Jan-15	0.2	0.185	0.183	0.192	0.181	0.190	0.174	0.191	0.185	92.59	0.007	0.020	9.85
Trichloroethylene	7-Jan-15	0.2	0.209	0.197	0.205	0.214	0.212	0.202	0.221	0.209	104.30	0.008	0.025	7.86
Trichlorofluoromethane	7-Jan-15	0.2	0.222	0.226	0.226	0.226	0.230	0.224	0.241	0.228	113.92	0.007	0.020	9.85
Vinyl chloride	7-Jan-15	0.1	0.098	0.087	0.102	0.089	0.115	0.108	0.107	0.101	100.79	0.010	0.032	3.09
Vinyl Acetate	7-Jan-15	0.2	0.128	0.141	0.165	0.118	0.122	0.128	0.155	0.137	68.32	0.018	0.055	3.63
m,p-Xylene	7-Jan-15	0.4	0.361	0.363	0.377	0.374	0.377	0.349	0.391	0.370	92.58	0.014	0.043	9.25
o-Xylene	7-Jan-15	0.2	0.179	0.190	0.193	0.185	0.199	0.178	0.196	0.189	94.39	0.008	0.026	7.79

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMSW, GCMS3W, GCMS5W
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2015

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
TVHC As Equiv Pentane	7-Jan-15	0.1	0.081	0.083	0.107	0.072	0.097	0.115	0.113	0.096	95.55	0.017	0.053	1.89
TVHC As Equiv Heptane	7-Jan-15	0.2	0.200	0.211	0.223	0.208	0.217	0.222	0.217	0.214	107.07	0.008	0.026	7.85
4-Bromofluorobenzene	24-Jan-15	0.1	10.32	10.39	10.09	10.32	10.11	10.19	10.06	10.21	10211.43	0.13	0.41	0.24

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

New Jersey
ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W613-MB	5W15309.D	1	12/23/15	TCH	n/a	n/a	V5W613

The QC reported here applies to the following samples: **Method:** TO-15

JC11091-1, JC11091-2, JC11091-3, JC11091-4, JC11091-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	103%	65-128%

Method Blank Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2114-MB	W52878.D	1	12/10/15	YMH	n/a	n/a	VW2114

The QC reported here applies to the following samples: **Method:** TO-15

VW2114-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	89%	65-128%

Method Blank Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W602-MB	5W15028.D	1	12/10/15	TCH	n/a	n/a	V5W602

The QC reported here applies to the following samples: **Method:** TO-15

V5W602-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	103%	65-128%

Method Blank Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2116-MB	W52938.D	1	12/15/15	YMH	n/a	n/a	VW2116

The QC reported here applies to the following samples: **Method:** TO-15

VW2116-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W613-BS	5W15306.D	1	12/23/15	TCH	n/a	n/a	V5W613
V5W613-BSD	5W15307.D	1	12/23/15	TCH	n/a	n/a	V5W613

The QC reported here applies to the following samples: **Method:** TO-15

JC11091-1, JC11091-2, JC11091-3, JC11091-4, JC11091-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
71-55-6	1,1,1-Trichloroethane	10	9.0	90	8.7	87	3	70-130/30
127-18-4	Tetrachloroethylene	10	10.5	105	10	100	5	70-130/30
79-01-6	Trichloroethylene	10	9.5	95	9.4	94	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	101%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2114-BS	W52875.D	1	12/10/15	YMH	n/a	n/a	VW2114
VW2114-BSD	W52876.D	1	12/10/15	YMH	n/a	n/a	VW2114

The QC reported here applies to the following samples: **Method:** TO-15

VW2114-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
71-55-6	1,1,1-Trichloroethane	10	9.7	97	10.2	102	5	70-130/30
127-18-4	Tetrachloroethylene	10	8.3	83	8.5	85	2	70-130/30
79-01-6	Trichloroethylene	10	9.0	90	9.1	91	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	105%	105%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W602-BS	5W15025.D	1	12/10/15	TCH	n/a	n/a	V5W602
V5W602-BSD	5W15026.D	1	12/10/15	TCH	n/a	n/a	V5W602

The QC reported here applies to the following samples: **Method:** TO-15

V5W602-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
71-55-6	1,1,1-Trichloroethane	10	10.8	108	9.9	99	9	70-130/30
127-18-4	Tetrachloroethylene	10	10.8	108	10.1	101	7	70-130/30
79-01-6	Trichloroethylene	10	10.9	109	10	100	9	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	106%	106%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2116-BS	W52935.D	1	12/15/15	YMH	n/a	n/a	VW2116
VW2116-BSD	W52936.D	1	12/15/15	YMH	n/a	n/a	VW2116

The QC reported here applies to the following samples: **Method:** TO-15

VW2116-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
71-55-6	1,1,1-Trichloroethane	10	9.6	96	10.4	104	8	70-130/30
127-18-4	Tetrachloroethylene	10	8.7	87	8.5	85	2	70-130/30
79-01-6	Trichloroethylene	10	8.7	87	8.2	82	6	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	104%	103%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC11091-1DUP	5W15319.D	1	12/24/15	TCH	n/a	n/a	V5W613
JC11091-1	5W15318.D	1	12/23/15	TCH	n/a	n/a	V5W613

The QC reported here applies to the following samples: **Method:** TO-15

JC11091-1, JC11091-2, JC11091-3, JC11091-4, JC11091-5

CAS No.	Compound	JC11091-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
127-18-4	Tetrachloroethylene	ND		ND		nc	17
79-01-6	Trichloroethylene	5.8		5.8		0	13

CAS No.	Surrogate Recoveries	DUP	JC11091-1	Limits
460-00-4	4-Bromofluorobenzene	103%	103%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W602-SCC	5W15039.D	1	12/10/15	TCH	n/a	n/a	V5W602

The QC reported here (Summa A808) applies to the following samples: **Method:** TO-15

Batch CP8103 cleaned 12/02/15: JC11091-2(A541)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	101%	65-128%

Summa Cleaning Certification

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2114-SCC	W52896.D	1	12/10/15	YMH	n/a	n/a	VW2114

The QC reported here (Summa A569) applies to the following samples: **Method:** TO-15

Batch CP8114 cleaned 12/07/15: JC11091-1(A682), JC11091-3(A1146), JC11091-4(A680)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	65-128%

Summa Cleaning Certification

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2116-SCC	W52952.D	1	12/16/15	YMH	n/a	n/a	VW2116

The QC reported here (Summa A1151) applies to the following samples: **Method:** TO-15

Batch CP8119 cleaned 12/08/15: JC11091-5(A804)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.024	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.025	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	65-128%

Instrument Performance Check (BFB)

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: V5W577-BFB
Lab File ID: 5W14422.D
Instrument ID: GCMS5W
Injection Date: 11/05/15
Injection Time: 11:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	15059	16.3		Pass
75	30.0 - 66.0% of mass 95	40848	44.3		Pass
95	Base peak, 100% relative abundance	92288	100.0		Pass
96	5.0 - 9.0% of mass 95	6124	6.64		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	78965	85.6		Pass
175	4.0 - 9.0% of mass 174	5948	6.45	(7.53) [a]	Pass
176	93.0 - 101.0% of mass 174	76528	82.9	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	5047	5.47	(6.59) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	5W14423A.D	11/05/15	12:41	00:53	(unrelated sample)
V5W577-IC577	5W14423.D	11/05/15	12:41	00:53	Initial cal 0.04
V5W577-IC577	5W14424.D	11/05/15	13:23	01:35	Initial cal 0.1
ZZZZZZ	5W14424A.D	11/05/15	13:23	01:35	(unrelated sample)
ZZZZZZ	5W14425A.D	11/05/15	14:04	02:16	(unrelated sample)
V5W577-IC577	5W14425.D	11/05/15	14:04	02:16	Initial cal 0.2
V5W577-IC577	5W14426.D	11/05/15	14:46	02:58	Initial cal 0.5
V5W577-IC577	5W14427.D	11/05/15	15:29	03:41	Initial cal 5
V5W577-ICC577	5W14428.D	11/05/15	16:11	04:23	Initial cal 10
V5W577-IC577	5W14429.D	11/05/15	16:54	05:06	Initial cal 20
V5W577-IC577	5W14430.D	11/05/15	17:38	05:50	Initial cal 30
V5W577-IC577	5W14431.D	11/05/15	18:23	06:35	Initial cal 40
V5W577-ICV577	5W14434.D	11/05/15	20:34	08:46	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: V5W602-BFB
Lab File ID: 5W15023.D
Instrument ID: GCMS5W
Injection Date: 12/10/15
Injection Time: 10:01

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13016	16.2		Pass
75	30.0 - 66.0% of mass 95	35674	44.5		Pass
95	Base peak, 100% relative abundance	80186	100.0		Pass
96	5.0 - 9.0% of mass 95	5281	6.59		Pass
173	Less than 2.0% of mass 174	312	0.39	(0.43) [a]	Pass
174	50.0 - 120.0% of mass 95	71805	89.5		Pass
175	4.0 - 9.01% of mass 174	5356	6.68	(7.46) [a]	Pass
176	93.0 - 101.0% of mass 174	70426	87.8	(98.1) [a]	Pass
177	5.0 - 9.0% of mass 176	4666	5.82	(6.63) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W602-CC577	5W15024.D	12/10/15	10:46	00:45	Continuing cal 10
V5W602-BS	5W15025.D	12/10/15	11:29	01:28	Blank Spike
V5W602-BSD	5W15026.D	12/10/15	12:14	02:13	Blank Spike Duplicate
V5W602-MB	5W15028.D	12/10/15	13:48	03:47	Method Blank
JC10199-3	5W15030.D	12/10/15	15:13	05:12	(used for QC only; not part of job JC11091)
JC10199-3DUP	5W15031.D	12/10/15	15:57	05:56	Duplicate
V5W602-SCC	5W15032.D	12/10/15	16:42	06:41	Summa Cleaning Certification
ZZZZZZ	5W15033.D	12/10/15	17:23	07:22	(unrelated sample)
ZZZZZZ	5W15034.D	12/10/15	18:05	08:04	(unrelated sample)
ZZZZZZ	5W15035.D	12/10/15	18:49	08:48	(unrelated sample)
ZZZZZZ	5W15036.D	12/10/15	19:32	09:31	(unrelated sample)
ZZZZZZ	5W15037.D	12/10/15	20:14	10:13	(unrelated sample)
ZZZZZZ	5W15038.D	12/10/15	20:57	10:56	(unrelated sample)
V5W602-SCC	5W15039.D	12/10/15	21:43	11:42	Summa Cleaning Certification
ZZZZZZ	5W15041.D	12/10/15	23:09	13:08	(unrelated sample)
ZZZZZZ	5W15042.D	12/10/15	23:51	13:50	(unrelated sample)
ZZZZZZ	5W15043.D	12/11/15	00:34	14:33	(unrelated sample)
V5W602-SCC	5W15044.D	12/11/15	01:19	15:18	Summa Cleaning Certification
V5W602-SCC	5W15045.D	12/11/15	02:04	16:03	Summa Cleaning Certification
V5W602-SCC	5W15046.D	12/11/15	02:48	16:47	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: V5W613-BFB
Lab File ID: 5W15304.D
Instrument ID: GCMS5W
Injection Date: 12/23/15
Injection Time: 11:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	11122	14.6		Pass
75	30.0 - 66.0% of mass 95	32096	42.2		Pass
95	Base peak, 100% relative abundance	76029	100.0		Pass
96	5.0 - 9.0% of mass 95	5008	6.59		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	72837	95.8		Pass
175	4.0 - 9.01% of mass 174	5415	7.12	(7.43) [a]	Pass
176	93.0 - 101.0% of mass 174	70722	93.0	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	4607	6.06	(6.51) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	5W15304.D	12/23/15	11:39	00:00	(unrelated sample)
V5W613-CC577	5W15305.D	12/23/15	12:21	00:42	Continuing cal 10
V5W613-BS	5W15306.D	12/23/15	13:05	01:26	Blank Spike
V5W613-BSD	5W15307.D	12/23/15	14:40	03:01	Blank Spike Duplicate
V5W613-MB	5W15309.D	12/23/15	16:12	04:33	Method Blank
ZZZZZZ	5W15310.D	12/23/15	17:38	05:59	(unrelated sample)
ZZZZZZ	5W15311.D	12/23/15	18:19	06:40	(unrelated sample)
ZZZZZZ	5W15312.D	12/23/15	19:02	07:23	(unrelated sample)
ZZZZZZ	5W15313.D	12/23/15	19:46	08:07	(unrelated sample)
ZZZZZZ	5W15314.D	12/23/15	20:29	08:50	(unrelated sample)
ZZZZZZ	5W15315.D	12/23/15	21:11	09:32	(unrelated sample)
ZZZZZZ	5W15316.D	12/23/15	21:55	10:16	(unrelated sample)
V5W613-SCC	5W15317.D	12/23/15	22:41	11:02	Summa Cleaning Certification
JC11091-1	5W15318.D	12/23/15	23:23	11:44	SS-10
JC11091-1DUP	5W15319.D	12/24/15	00:06	12:27	Duplicate
JC11091-2	5W15320.D	12/24/15	00:50	13:11	SS-11
JC11091-3	5W15321.D	12/24/15	01:32	13:53	SS-14
JC11091-4	5W15322.D	12/24/15	02:16	14:37	SS-13
JC11091-5	5W15323.D	12/24/15	03:01	15:22	SS-12
ZZZZZZ	5W15325.D	12/24/15	04:31	16:52	(unrelated sample)
ZZZZZZ	5W15326.D	12/24/15	05:14	17:35	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: VW2109-BFB
Lab File ID: W52774.D
Instrument ID: GCMSW
Injection Date: 12/04/15
Injection Time: 09:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13646	15.0		Pass
75	30.0 - 66.0% of mass 95	39077	42.8		Pass
95	Base peak, 100% relative abundance	91229	100.0		Pass
96	5.0 - 9.0% of mass 95	6164	6.76		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	80474	88.2		Pass
175	4.0 - 9.01% of mass 174	5879	6.44	(7.31) [a]	Pass
176	93.0 - 101.0% of mass 174	78650	86.2	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	5134	5.63	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW2109-ICC2109	W52775.D	12/04/15	10:29	00:41	Initial cal 10
VW2109-IC2109	W52776.D	12/04/15	11:10	01:22	Initial cal 5
VW2109-IC2109	W52777.D	12/04/15	11:51	02:03	Initial cal 0.5
VW2109-IC2109	W52778.D	12/04/15	12:32	02:44	Initial cal 0.2
ZZZZZZ	W52778A.D	12/04/15	12:32	02:44	(unrelated sample)
VW2109-IC2109	W52779.D	12/04/15	13:13	03:25	Initial cal 20
VW2109-IC2109	W52780.D	12/04/15	13:53	04:05	Initial cal 15
VW2109-IC2109	W52782.D	12/04/15	15:16	05:28	Initial cal 0.1
ZZZZZZ	W52782A.D	12/04/15	15:16	05:28	(unrelated sample)
ZZZZZZ	W52783A.D	12/04/15	15:57	06:09	(unrelated sample)
VW2109-IC2109	W52783.D	12/04/15	15:57	06:09	Initial cal 0.04
VW2109-IC2109	W52784.D	12/04/15	16:38	06:50	Initial cal 30
VW2109-IC2109	W52786.D	12/04/15	17:59	08:11	Initial cal 40
VW2109-ICV2109	W52789.D	12/04/15	20:00	10:12	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: VW2114-BFB
Lab File ID: W52873.D
Instrument ID: GCMSW
Injection Date: 12/10/15
Injection Time: 06:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	10214	16.0		Pass
75	30.0 - 66.0% of mass 95	28477	44.6		Pass
95	Base peak, 100% relative abundance	63810	100.0		Pass
96	5.0 - 9.0% of mass 95	4190	6.57		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	54178	84.9		Pass
175	4.0 - 9.01% of mass 174	4042	6.33	(7.46) [a]	Pass
176	93.0 - 101.0% of mass 174	52925	82.9	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3444	5.40	(6.51) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W52873.D	12/10/15	06:49	00:00	(unrelated sample)
VW2114-CC2109	W52874.D	12/10/15	07:30	00:41	Continuing cal 10
VW2114-BS	W52875.D	12/10/15	08:11	01:22	Blank Spike
VW2114-BSD	W52876.D	12/10/15	08:52	02:03	Blank Spike Duplicate
VW2114-MB	W52878.D	12/10/15	10:39	03:50	Method Blank
ZZZZZZ	W52879.D	12/10/15	11:35	04:46	(unrelated sample)
ZZZZZZ	W52880.D	12/10/15	12:16	05:27	(unrelated sample)
JC9628-3DUP	W52885.D	12/10/15	15:41	08:52	Duplicate
JC9628-3	W52886.D	12/10/15	16:23	09:34	(used for QC only; not part of job JC11091)
ZZZZZZ	W52888.D	12/10/15	17:45	10:56	(unrelated sample)
ZZZZZZ	W52889.D	12/10/15	18:26	11:37	(unrelated sample)
ZZZZZZ	W52890.D	12/10/15	19:07	12:18	(unrelated sample)
VW2114-SCC	W52891.D	12/10/15	19:48	12:59	Summa Cleaning Certification
VW2114-SCC	W52892.D	12/10/15	20:29	13:40	Summa Cleaning Certification
VW2114-SCC	W52893.D	12/10/15	21:10	14:21	Summa Cleaning Certification
VW2114-SCC	W52895.D	12/10/15	22:33	15:44	Summa Cleaning Certification
VW2114-SCC	W52896.D	12/10/15	23:13	16:24	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: VW2116-BFB
Lab File ID: W52933.D
Instrument ID: GCMSW
Injection Date: 12/15/15
Injection Time: 09:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12425	17.0		Pass
75	30.0 - 66.0% of mass 95	33832	46.4		Pass
95	Base peak, 100% relative abundance	72909	100.0		Pass
96	5.0 - 9.0% of mass 95	4956	6.80		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	66877	91.7		Pass
175	4.0 - 9.01% of mass 174	5045	6.92	(7.54) [a]	Pass
176	93.0 - 101.0% of mass 174	64309	88.2	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	4280	5.87	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW2116-CC2109	W52934.D	12/15/15	10:33	00:40	Continuing cal 10
VW2116-BS	W52935.D	12/15/15	11:30	01:37	Blank Spike
VW2116-BSD	W52936.D	12/15/15	12:20	02:27	Blank Spike Duplicate
VW2116-MB	W52938.D	12/15/15	13:43	03:50	Method Blank
ZZZZZZ	W52939.D	12/15/15	15:12	05:19	(unrelated sample)
ZZZZZZ	W52940.D	12/15/15	15:53	06:00	(unrelated sample)
ZZZZZZ	W52941.D	12/15/15	16:34	06:41	(unrelated sample)
VW2116-SCC	W52942.D	12/15/15	17:15	07:22	Summa Cleaning Certification
ZZZZZZ	W52943.D	12/15/15	17:56	08:03	(unrelated sample)
ZZZZZZ	W52944.D	12/15/15	18:37	08:44	(unrelated sample)
ZZZZZZ	W52945.D	12/15/15	19:18	09:25	(unrelated sample)
JC10566-2	W52946.D	12/15/15	19:59	10:06	(used for QC only; not part of job JC11091)
JC10566-2DUP	W52947.D	12/15/15	20:40	10:47	Duplicate
ZZZZZZ	W52948.D	12/15/15	21:21	11:28	(unrelated sample)
ZZZZZZ	W52949.D	12/15/15	22:02	12:09	(unrelated sample)
ZZZZZZ	W52950.D	12/15/15	22:43	12:50	(unrelated sample)
ZZZZZZ	W52951.D	12/15/15	23:24	13:31	(unrelated sample)
VW2116-SCC	W52952.D	12/16/15	00:05	14:12	Summa Cleaning Certification
ZZZZZZ	W52953.D	12/16/15	00:45	14:52	(unrelated sample)
ZZZZZZ	W52954.D	12/16/15	01:26	15:33	(unrelated sample)
ZZZZZZ	W52955.D	12/16/15	02:07	16:14	(unrelated sample)
ZZZZZZ	W52956.D	12/16/15	02:48	16:55	(unrelated sample)
ZZZZZZ	W52957.D	12/16/15	03:29	17:36	(unrelated sample)
ZZZZZZ	W52958.D	12/16/15	04:10	18:17	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: VW2116-BFB
Lab File ID: W52933.D
Instrument ID: GCMSW
Injection Date: 12/15/15
Injection Time: 09:53

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W52959.D	12/16/15	04:51	18:58	(unrelated sample)
ZZZZZZ	W52960.D	12/16/15	05:32	19:39	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Check Std:	V5W602-CC577	**Injection Date:**	12/10/15
Lab File ID:	5W15024.D	**Injection Time:**	10:46
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	99273	8.36	355295	10.54	194887	16.08
Upper Limit [a]	138982	8.69	497413	10.87	272842	16.41
Lower Limit [b]	59564	8.03	213177	10.21	116932	15.75

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W602-BS	91564	8.36	334157	10.54	187871	16.08
V5W602-BSD	99496	8.36	361657	10.54	206418	16.08
V5W602-MB	111786	8.36	401928	10.54	200439	16.08
JC10199-3	112341	8.36	389928	10.54	200882	16.07
JC10199-3DUP	113191	8.36	391172	10.54	195195	16.07
V5W602-SCC	105894	8.36	376657	10.54	193201	16.08
ZZZZZZ	104714	8.36	367065	10.54	189095	16.07
ZZZZZZ	99125	8.36	353763	10.54	185794	16.07
ZZZZZZ	96622	8.36	334082	10.54	177509	16.07
ZZZZZZ	105394	8.38	393143	10.55	208674	16.07
ZZZZZZ	126526	8.37	448208	10.54	214771	16.07
ZZZZZZ	102510	8.39	374079	10.56	203143	16.08
V5W602-SCC	115311	8.36	410168	10.54	207892	16.07
ZZZZZZ	119178	8.36	414766	10.54	206705	16.08
ZZZZZZ	111941	8.37	386446	10.54	195183	16.07
ZZZZZZ	107706	8.36	371419	10.54	186096	16.07
V5W602-SCC	105468	8.36	364319	10.54	187691	16.07
V5W602-SCC	106487	8.36	369803	10.54	190175	16.07
V5W602-SCC	108071	8.36	372212	10.54	190188	16.08

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Check Std:	V5W613-CC577	**Injection Date:**	12/23/15
Lab File ID:	5W15305.D	**Injection Time:**	12:21
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	87420	8.30	308350	10.51	160774	16.08
Upper Limit [a]	122388	8.63	431690	10.84	225084	16.41
Lower Limit [b]	52452	7.97	185010	10.18	96464	15.75

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W613-BS	84029	8.31	297082	10.51	152197	16.08
V5W613-BSD	93415	8.31	325936	10.51	168096	16.07
V5W613-MB	80862	8.30	279510	10.51	134641	16.07
ZZZZZZ	81635	8.31	280048	10.51	134752	16.07
ZZZZZZ	74743	8.30	258180	10.51	120267	16.07
ZZZZZZ	72491	8.30	238736	10.51	120210	16.07
ZZZZZZ	65133	8.30	213243	10.51	113947	16.07
ZZZZZZ	68428	8.30	232215	10.51	118298	16.07
ZZZZZZ	76019	8.30	255301	10.51	127552	16.07
ZZZZZZ	69196	8.33	232857	10.52	120251	16.08
V5W613-SCC	67422	8.30	226023	10.51	112440	16.07
JC11091-1	64689	8.30	218763	10.51	111922	16.07
JC11091-1DUP	63748	8.30	216561	10.51	108984	16.07
JC11091-2	68498	8.30	229304	10.51	115143	16.07
JC11091-3	65485	8.30	225973	10.51	114554	16.07
JC11091-4	64374	8.30	217327	10.51	110377	16.07
JC11091-5	63009	8.30	208461	10.51	109242	16.07
ZZZZZZ	61999	8.30	204517	10.51	106592	16.07
ZZZZZZ	55164	8.30	183944[c]	10.51	95690[c]	16.07
ZZZZZZ	83755	8.30	275879	10.51	128687	16.07

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside control limits due to matrix interference.

Volatile Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Check Std:	VW2114-CC2109	**Injection Date:**	12/10/15
Lab File ID:	W52874.D	**Injection Time:**	07:30
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	97034	9.25	468557	10.98	228688	15.25
Upper Limit [a]	135848	9.58	655980	11.31	320163	15.58
Lower Limit [b]	58220	8.92	281134	10.65	137213	14.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW2114-BS	99300	9.26	470050	10.98	226047	15.25
VW2114-BSD	92466	9.26	449037	10.98	215814	15.25
VW2114-MB	88949	9.26	400327	10.99	172939	15.25
ZZZZZZ	89650	9.25	403241	10.97	182944	15.25
ZZZZZZ	92622	9.26	416033	10.98	189351	15.25
JC9628-3DUP	84557	9.26	426951	10.98	185189	15.25
JC9628-3	86066	9.25	437891	10.98	199126	15.25
ZZZZZZ	80075	9.25	373330	10.97	164915	15.24
ZZZZZZ	89071	9.26	422360	10.98	194776	15.25
ZZZZZZ	91328	9.25	465220	10.97	226519	15.25
VW2114-SCC	99471	9.25	428332	10.98	180160	15.25
VW2114-SCC	82950	9.25	351894	10.97	156480	15.25
VW2114-SCC	77001	9.26	357509	10.98	161877	15.25
VW2114-SCC	82005	9.25	352443	10.98	158923	15.25
VW2114-SCC	79700	9.26	353452	10.98	156815	15.25

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Check Std:	VW2116-CC2109	**Injection Date:**	12/15/15
Lab File ID:	W52934.D	**Injection Time:**	10:33
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	119676	9.25	646942	10.97	295800	15.25
Upper Limit [a]	167546	9.58	905719	11.30	414120	15.58
Lower Limit [b]	71806	8.92	388165	10.64	177480	14.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW2116-BS	115184	9.25	552506	10.97	257535	15.25
VW2116-BSD	105012	9.25	552176	10.97	259838	15.24
VW2116-MB	131196	9.25	649878	10.97	282276	15.25
ZZZZZZ	93748	9.27	459024	10.99	200508	15.25
ZZZZZZ	108873	9.26	561739	10.98	251050	15.24
ZZZZZZ	116443	9.26	600688	10.97	273477	15.24
VW2116-SCC	111071	9.26	540717	10.98	233727	15.24
ZZZZZZ	96400	9.25	480542	10.98	220455	15.24
ZZZZZZ	125631	9.25	637601	10.97	270983	15.24
ZZZZZZ	135773	9.25	672942	10.97	300683	15.24
JC10566-2	126930	9.25	595628	10.97	244116	15.24
JC10566-2DUP	113197	9.25	531185	10.97	227551	15.24
ZZZZZZ	118114	9.18	550460	10.94	303470	15.23
ZZZZZZ	137036	9.25	672294	10.97	350762	15.24
ZZZZZZ	138849	9.25	655503	10.97	270733	15.24
ZZZZZZ	113961	9.26	538133	10.98	231605	15.24
VW2116-SCC	103745	9.25	506453	10.97	222788	15.24
ZZZZZZ	101085	9.25	502788	10.97	225020	15.24
ZZZZZZ	108099	9.26	525956	10.98	217225	15.24
ZZZZZZ	129536	9.25	657687	10.97	276523	15.24
ZZZZZZ	131381	9.26	656978	10.98	298461	15.25
ZZZZZZ	112050	9.25	557029	10.97	242625	15.24
ZZZZZZ	97093	9.25	512381	10.97	241854	15.24
ZZZZZZ	92839	9.25	460781	10.97	204277	15.24
ZZZZZZ	97894	9.25	489910	10.97	225056	15.24

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.65	8.29	0.682	ok	0.682	0.622-0.742
1,3-Butadiene	4.32	8.29	0.521	ok	0.521	0.461-0.581
Benzene	10.08	8.29	1.216	ok	1.216	1.156-1.276
Bromobenzene	18.70	16.10	1.161	ok	1.160	1.100-1.220
Bromodichloromethane	11.30	10.51	1.075	ok	1.075	1.015-1.135
Bromoform	17.07	16.10	1.060	ok	1.060	1.000-1.120
Bromomethane	4.55	8.29	0.549	ok	0.549	0.489-0.609
Bromoethene	5.00	8.29	0.603	ok	0.603	0.543-0.663
Benzyl Chloride	20.46	16.10	1.271	ok	1.270	1.210-1.330
n-Butylbenzene	21.44	16.10	1.332	ok	1.330	1.270-1.390
sec-Butylbenzene	20.64	16.10	1.282	ok	1.281	1.221-1.341
tert-Butylbenzene	20.25	16.10	1.258	ok	1.257	1.197-1.317
Carbon disulfide	6.36	8.29	0.767	ok	0.767	0.707-0.827
Chlorobenzene	16.17	16.10	1.004	ok	1.004	0.944-1.064
Chloroform	8.43	8.29	1.017	ok	1.017	0.957-1.077
Chloromethane	4.03	8.29	0.486	ok	0.486	0.426-0.546
2-Chlorotoluene	19.30	16.10	1.199	ok	1.197	1.137-1.257
Carbon tetrachloride	10.25	8.29	1.236	ok	1.237	1.177-1.297
Cyclohexane	10.38	8.29	1.252	ok	1.253	1.193-1.313
1,1-Dichloroethane	7.20	8.29	0.869	ok	0.870	0.810-0.930
1,1-Dichloroethylene	5.95	8.29	0.718	ok	0.718	0.658-0.778
1,2-Dibromoethane	14.59	10.51	1.388	ok	1.387	1.327-1.447
1,2-Dichloroethane	9.25	8.29	1.116	ok	1.117	1.057-1.177
1,2-Dichloropropane	11.06	10.51	1.052	ok	1.052	0.992-1.112
1,4-Dioxane	11.44	10.51	1.088	ok	1.084	1.024-1.144
Dichlorodifluoromethane	3.89	8.29	0.469	ok	0.469	0.409-0.529
Dichlorofluoromethane	4.77	8.29	0.575	ok	0.576	0.516-0.636
Dibromochloromethane	14.26	10.51	1.357	ok	1.357	1.297-1.417
Dibromomethane	11.04	10.51	1.050	ok	1.050	0.990-1.110
trans-1,2-Dichloroethylene	7.00	8.29	0.844	ok	0.844	0.784-0.904
cis-1,2-Dichloroethylene	8.10	8.29	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	12.45	10.51	1.185	ok	1.184	1.124-1.244
m-Dichlorobenzene	20.47	16.10	1.271	ok	1.271	1.211-1.331
o-Dichlorobenzene	21.02	16.10	1.306	ok	1.305	1.245-1.365
p-Dichlorobenzene	20.57	16.10	1.278	ok	1.276	1.216-1.336
trans-1,3-Dichloropropene	13.14	10.51	1.250	ok	1.249	1.189-1.309
Di-Isopropyl ether	8.34	8.29	1.006	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.68	8.29	1.288	ok	1.288	1.228-1.348
2,4-Dimethylpentane	9.30	8.29	1.122	ok	1.123	1.063-1.183

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethylbenzene	16.72	16.10	1.039	ok	1.038	0.978-1.098
4-Ethyltoluene	19.58	16.10	1.216	ok	1.215	1.155-1.275
Freon 113	6.32	8.29	0.762	ok	0.763	0.703-0.823
Freon 114	4.11	8.29	0.496	ok	0.496	0.436-0.556
Freon 123	5.13	8.29	0.619	ok	0.618	0.558-0.678
Freon 123A	5.18	8.29	0.625	ok	0.625	0.565-0.685
Heptane	11.72	10.51	1.115	ok	1.115	1.055-1.175
Hexachlorobutadiene	23.78	16.10	1.477	ok	1.476	1.416-1.536
Hexachloroethane	21.90	16.10	1.360	ok	1.359	1.299-1.419
Hexane	8.30	8.29	1.001	ok	1.003	0.943-1.063
Iodomethane	5.89	8.29	0.710	ok	0.711	0.651-0.771
Isopropylbenzene	18.58	16.10	1.154	ok	1.153	1.093-1.213
p-Isopropyltoluene	20.86	16.10	1.296	ok	1.295	1.235-1.355
Methylene chloride	6.08	8.29	0.733	ok	0.734	0.674-0.794
Methyl Isobutyl Ketone	12.53	10.51	1.192	ok	1.189	1.129-1.249
Methyl Tert Butyl Ether	7.30	8.29	0.881	ok	0.878	0.818-0.938
Methylmethacrylate	11.66	10.51	1.109	ok	1.107	1.047-1.167
Nonane	18.04	16.10	1.120	ok	1.120	1.060-1.180
Octane	15.05	10.51	1.432	ok	1.432	1.372-1.492
n-Propylbenzene	19.36	16.10	1.202	ok	1.202	1.142-1.262
Styrene	17.53	16.10	1.089	ok	1.088	1.028-1.148
1,1,1-Trichloroethane	9.53	8.29	1.150	ok	1.151	1.091-1.211
1,1,1,2-Tetrachloroethane	16.15	10.51	1.537	ok	1.536	1.476-1.596
1,1,2,2-Tetrachloroethane	17.67	16.10	1.098	ok	1.097	1.037-1.157
1,1,2-Trichloroethane	13.35	10.51	1.270	ok	1.269	1.209-1.329
1,2,3-Trichloropropane	17.87	16.10	1.110	ok	1.109	1.049-1.169
1,2,4-Trimethylbenzene	20.28	16.10	1.260	ok	1.259	1.199-1.319
1,3,5-Trimethylbenzene	19.69	16.10	1.223	ok	1.222	1.162-1.282
2,2,4-Trimethylpentane	11.37	10.51	1.082	ok	1.082	1.022-1.142
Tertiary Butyl Alcohol	6.05	8.29	0.730	ok	0.726	0.666-0.786
Tetrachloroethylene	15.22	10.51	1.448	ok	1.448	1.388-1.508
Toluene	13.70	10.51	1.304	ok	1.303	1.243-1.363
Trichloroethylene	11.35	10.51	1.080	ok	1.080	1.020-1.140
Trichlorofluoromethane	5.37	8.29	0.648	ok	0.648	0.588-0.708
Vinyl chloride	4.22	8.29	0.509	ok	0.508	0.448-0.568
m,p-Xylene	16.98	16.10	1.055	ok	1.054	0.994-1.114
o-Xylene	17.67	16.10	1.098	ok	1.097	1.037-1.157

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.29	ok	8.29	7.96-8.62	97642	ok	97579	58547-136611
1,4-Difluorobenzene	10.51	ok	10.51	10.18-10.84	361654	ok	357587	214552-500622
Chlorobenzene-D5	16.10	ok	16.11	15.78-16.44	185103	ok	190691	114415-266967

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.26	8.28	0.635	ok	0.631	0.571-0.691
Acrylonitrile	5.66	8.28	0.684	ok	0.682	0.622-0.742
Acetonitrile	5.02	8.28	0.606	ok	0.604	0.544-0.664
1,3-Butadiene	4.32	8.28	0.522	ok	0.521	0.461-0.581
Benzene	10.07	8.28	1.216	ok	1.216	1.156-1.276
Bromobenzene	18.70	16.10	1.161	ok	1.160	1.100-1.220
Bromodichloromethane	11.30	10.51	1.075	ok	1.075	1.015-1.135
Bromoform	17.07	16.10	1.060	ok	1.060	1.000-1.120
Bromomethane	4.55	8.28	0.550	ok	0.549	0.489-0.609
Bromoethene	5.00	8.28	0.604	ok	0.603	0.543-0.663
n-Butane	4.36	8.28	0.527	ok	0.526	0.466-0.586
Benzyl Chloride	20.46	16.10	1.271	ok	1.270	1.210-1.330
n-Butylbenzene	21.43	16.10	1.331	ok	1.330	1.270-1.390
sec-Butylbenzene	20.64	16.10	1.282	ok	1.281	1.221-1.341
tert-Butylbenzene	20.25	16.10	1.258	ok	1.257	1.197-1.317
Carbon disulfide	6.36	8.28	0.768	ok	0.767	0.707-0.827
Chlorobenzene	16.17	16.10	1.004	ok	1.004	0.944-1.064
Chloroethane	4.69	8.28	0.566	ok	0.566	0.506-0.626
Chloroform	8.43	8.28	1.018	ok	1.017	0.957-1.077
Chloromethane	4.03	8.28	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.19	8.28	0.748	ok	0.747	0.687-0.807
2-Chlorotoluene	19.28	16.10	1.198	ok	1.197	1.137-1.257
Carbon tetrachloride	10.25	8.28	1.238	ok	1.237	1.177-1.297
Cyclohexane	10.38	8.28	1.254	ok	1.253	1.193-1.313
1,1-Dichloroethane	7.21	8.28	0.871	ok	0.870	0.810-0.930
1,1-Dichloroethylene	5.96	8.28	0.720	ok	0.718	0.658-0.778
1,2-Dibromoethane	14.58	10.51	1.387	ok	1.387	1.327-1.447
1,2-Dichloroethane	9.25	8.28	1.117	ok	1.117	1.057-1.177
1,2-Dichloropropane	11.06	10.51	1.052	ok	1.052	0.992-1.112
1,4-Dioxane	11.42	10.51	1.087	ok	1.084	1.024-1.144
Dichlorodifluoromethane	3.89	8.28	0.470	ok	0.469	0.409-0.529
Dichlorofluoromethane	4.77	8.28	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	14.26	10.51	1.357	ok	1.357	1.297-1.417
Dibromomethane	11.03	10.51	1.049	ok	1.050	0.990-1.110
trans-1,2-Dichloroethylene	6.99	8.28	0.844	ok	0.844	0.784-0.904
cis-1,2-Dichloroethylene	8.10	8.28	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	12.45	10.51	1.185	ok	1.184	1.124-1.244
m-Dichlorobenzene	20.47	16.10	1.271	ok	1.271	1.211-1.331
o-Dichlorobenzene	21.02	16.10	1.306	ok	1.305	1.245-1.365

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	20.56	16.10	1.277	ok	1.276	1.216-1.336
trans-1,3-Dichloropropene	13.14	10.51	1.250	ok	1.249	1.189-1.309
Di-Isopropyl ether	8.33	8.28	1.006	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.67	8.28	1.289	ok	1.288	1.228-1.348
2,4-Dimethylpentane	9.30	8.28	1.123	ok	1.123	1.063-1.183
Ethylbenzene	16.72	16.10	1.039	ok	1.038	0.978-1.098
4-Ethyltoluene	19.58	16.10	1.216	ok	1.215	1.155-1.275
Freon 113	6.32	8.28	0.763	ok	0.763	0.703-0.823
Freon 114	4.11	8.28	0.496	ok	0.496	0.436-0.556
Freon 123	5.12	8.28	0.618	ok	0.618	0.558-0.678
Freon 123A	5.18	8.28	0.626	ok	0.625	0.565-0.685
Heptane	11.72	10.51	1.115	ok	1.115	1.055-1.175
Hexachlorobutadiene	23.78	16.10	1.477	ok	1.476	1.416-1.536
Hexachloroethane	21.89	16.10	1.360	ok	1.359	1.299-1.419
Hexane	8.31	8.28	1.004	ok	1.003	0.943-1.063
2-Hexanone	14.10	10.51	1.342	ok	1.339	1.279-1.399
Iodomethane	5.89	8.28	0.711	ok	0.711	0.651-0.771
Isopropylbenzene	18.58	16.10	1.154	ok	1.153	1.093-1.213
Isopropyl Alcohol	5.47	8.28	0.661	ok	0.658	0.598-0.718
p-Isopropyltoluene	20.87	16.10	1.296	ok	1.295	1.235-1.355
Methylene chloride	6.08	8.28	0.734	ok	0.734	0.674-0.794
Methyl ethyl ketone	7.67	8.28	0.926	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	12.51	10.51	1.190	ok	1.189	1.129-1.249
Methyl Tert Butyl Ether	7.29	8.28	0.880	ok	0.878	0.818-0.938
Methylmethacrylate	11.64	10.51	1.108	ok	1.107	1.047-1.167
Naphthalene	23.34	16.10	1.450	ok	1.448	1.388-1.508
Nonane	18.04	16.10	1.120	ok	1.120	1.060-1.180
Octane	15.05	10.51	1.432	ok	1.432	1.372-1.492
n-Propylbenzene	19.36	16.10	1.202	ok	1.202	1.142-1.262
Styrene	17.53	16.10	1.089	ok	1.088	1.028-1.148
1,1,1-Trichloroethane	9.54	8.28	1.152	ok	1.151	1.091-1.211
1,1,1,2-Tetrachloroethane	16.15	10.51	1.537	ok	1.536	1.476-1.596
1,1,2,2-Tetrachloroethane	17.67	16.10	1.098	ok	1.097	1.037-1.157
1,1,2-Trichloroethane	13.34	10.51	1.269	ok	1.269	1.209-1.329
1,2,4-Trichlorobenzene	23.21	16.10	1.442	ok	1.441	1.381-1.501
1,2,3-Trichloropropane	17.87	16.10	1.110	ok	1.109	1.049-1.169
1,2,4-Trimethylbenzene	20.27	16.10	1.259	ok	1.259	1.199-1.319
1,3,5-Trimethylbenzene	19.69	16.10	1.223	ok	1.222	1.162-1.282
2,2,4-Trimethylpentane	11.37	10.51	1.082	ok	1.082	1.022-1.142

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Tertiary Butyl Alcohol	6.04	8.28	0.729	ok	0.726	0.666-0.786
Tetrachloroethylene	15.22	10.51	1.448	ok	1.448	1.388-1.508
Tetrahydrofuran	8.93	8.28	1.079	ok	1.073	1.013-1.133
Toluene	13.71	10.51	1.304	ok	1.303	1.243-1.363
Trichloroethylene	11.35	10.51	1.080	ok	1.080	1.020-1.140
Trichlorofluoromethane	5.37	8.28	0.649	ok	0.648	0.588-0.708
Vinyl chloride	4.21	8.28	0.508	ok	0.508	0.448-0.568
Vinyl Acetate	7.38	8.28	0.891	ok	0.890	0.830-0.950
m,p-Xylene	16.99	16.10	1.055	ok	1.054	0.994-1.114
o-Xylene	17.67	16.10	1.098	ok	1.097	1.037-1.157

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.28	ok	8.29	7.96-8.62	98069	ok	97579	58547-136611
1,4-Difluorobenzene	10.51	ok	10.51	10.18-10.84	363699	ok	357587	214552-500622
Chlorobenzene-D5	16.10	ok	16.11	15.78-16.44	184843	ok	190691	114415-266967

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.25	8.28	0.634	ok	0.631	0.571-0.691
Acrylonitrile	5.65	8.28	0.682	ok	0.682	0.622-0.742
Acetonitrile	5.01	8.28	0.605	ok	0.604	0.544-0.664
1,3-Butadiene	4.32	8.28	0.522	ok	0.521	0.461-0.581
Benzene	10.08	8.28	1.217	ok	1.216	1.156-1.276
Bromobenzene	18.69	16.11	1.160	ok	1.160	1.100-1.220
Bromodichloromethane	11.31	10.51	1.076	ok	1.075	1.015-1.135
Bromoform	17.07	16.11	1.060	ok	1.060	1.000-1.120
Bromomethane	4.55	8.28	0.550	ok	0.549	0.489-0.609
Bromoethene	5.00	8.28	0.604	ok	0.603	0.543-0.663
n-Butane	4.37	8.28	0.528	ok	0.526	0.466-0.586
Benzyl Chloride	20.45	16.11	1.269	ok	1.270	1.210-1.330
n-Butylbenzene	21.43	16.11	1.330	ok	1.330	1.270-1.390
sec-Butylbenzene	20.64	16.11	1.281	ok	1.281	1.221-1.341
tert-Butylbenzene	20.25	16.11	1.257	ok	1.257	1.197-1.317
Carbon disulfide	6.36	8.28	0.768	ok	0.767	0.707-0.827
Chlorobenzene	16.16	16.11	1.003	ok	1.004	0.944-1.064
Chloroethane	4.70	8.28	0.568	ok	0.566	0.506-0.626
Chloroform	8.42	8.28	1.017	ok	1.017	0.957-1.077
Chloromethane	4.03	8.28	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.18	8.28	0.746	ok	0.747	0.687-0.807
2-Chlorotoluene	19.29	16.11	1.197	ok	1.197	1.137-1.257
Carbon tetrachloride	10.25	8.28	1.238	ok	1.237	1.177-1.297
Cyclohexane	10.38	8.28	1.254	ok	1.253	1.193-1.313
1,1-Dichloroethane	7.21	8.28	0.871	ok	0.870	0.810-0.930
1,1-Dichloroethylene	5.96	8.28	0.720	ok	0.718	0.658-0.778
1,2-Dibromoethane	14.58	10.51	1.387	ok	1.387	1.327-1.447
1,2-Dichloroethane	9.25	8.28	1.117	ok	1.117	1.057-1.177
1,2-Dichloropropane	11.06	10.51	1.052	ok	1.052	0.992-1.112
1,4-Dioxane	11.42	10.51	1.087	ok	1.084	1.024-1.144
Dichlorodifluoromethane	3.89	8.28	0.470	ok	0.469	0.409-0.529
Dichlorofluoromethane	4.77	8.28	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	14.26	10.51	1.357	ok	1.357	1.297-1.417
Dibromomethane	11.03	10.51	1.049	ok	1.050	0.990-1.110
trans-1,2-Dichloroethylene	7.00	8.28	0.845	ok	0.844	0.784-0.904
cis-1,2-Dichloroethylene	8.10	8.28	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	12.45	10.51	1.185	ok	1.184	1.124-1.244
m-Dichlorobenzene	20.47	16.11	1.271	ok	1.271	1.211-1.331
o-Dichlorobenzene	21.02	16.11	1.305	ok	1.305	1.245-1.365

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	20.56	16.11	1.276	ok	1.276	1.216-1.336
trans-1,3-Dichloropropene	13.13	10.51	1.249	ok	1.249	1.189-1.309
Di-Isopropyl ether	8.32	8.28	1.005	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.67	8.28	1.289	ok	1.288	1.228-1.348
2,4-Dimethylpentane	9.30	8.28	1.123	ok	1.123	1.063-1.183
Ethylbenzene	16.72	16.11	1.038	ok	1.038	0.978-1.098
Ethyl Acetate	8.38	8.28	1.012	ok	1.008	0.948-1.068
4-Ethyltoluene	19.58	16.11	1.215	ok	1.215	1.155-1.275
Freon 113	6.32	8.28	0.763	ok	0.763	0.703-0.823
Freon 114	4.11	8.28	0.496	ok	0.496	0.436-0.556
Freon 123	5.12	8.28	0.618	ok	0.618	0.558-0.678
Freon 123A	5.18	8.28	0.626	ok	0.625	0.565-0.685
Heptane	11.72	10.51	1.115	ok	1.115	1.055-1.175
Hexachlorobutadiene	23.78	16.11	1.476	ok	1.476	1.416-1.536
Hexachloroethane	21.90	16.11	1.359	ok	1.359	1.299-1.419
Hexane	8.31	8.28	1.004	ok	1.003	0.943-1.063
2-Hexanone	14.09	10.51	1.341	ok	1.339	1.279-1.399
Iodomethane	5.89	8.28	0.711	ok	0.711	0.651-0.771
Isopropylbenzene	18.58	16.11	1.153	ok	1.153	1.093-1.213
Isopropyl Alcohol	5.46	8.28	0.659	ok	0.658	0.598-0.718
p-Isopropyltoluene	20.86	16.11	1.295	ok	1.295	1.235-1.355
Methylene chloride	6.08	8.28	0.734	ok	0.734	0.674-0.794
Methyl ethyl ketone	7.67	8.28	0.926	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	12.51	10.51	1.190	ok	1.189	1.129-1.249
Methyl Tert Butyl Ether	7.29	8.28	0.880	ok	0.878	0.818-0.938
Methylmethacrylate	11.64	10.51	1.108	ok	1.107	1.047-1.167
Naphthalene	23.34	16.11	1.449	ok	1.448	1.388-1.508
Nonane	18.04	16.11	1.120	ok	1.120	1.060-1.180
Octane	15.05	10.51	1.432	ok	1.432	1.372-1.492
Pentane	5.69	8.28	0.687	ok	0.686	0.626-0.746
n-Propylbenzene	19.36	16.11	1.202	ok	1.202	1.142-1.262
Propylene	3.83	8.28	0.463	ok	0.462	0.402-0.522
Styrene	17.52	16.11	1.088	ok	1.088	1.028-1.148
1,1,1-Trichloroethane	9.53	8.28	1.151	ok	1.151	1.091-1.211
1,1,1,2-Tetrachloroethane	16.15	10.51	1.537	ok	1.536	1.476-1.596
1,1,2,2-Tetrachloroethane	17.67	16.11	1.097	ok	1.097	1.037-1.157
1,1,2-Trichloroethane	13.34	10.51	1.269	ok	1.269	1.209-1.329
1,2,4-Trichlorobenzene	23.21	16.11	1.441	ok	1.441	1.381-1.501
1,2,3-Trichloropropane	17.87	16.11	1.109	ok	1.109	1.049-1.169

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	20.27	16.11	1.258	ok	1.259	1.199-1.319
1,3,5-Trimethylbenzene	19.69	16.11	1.222	ok	1.222	1.162-1.282
2,2,4-Trimethylpentane	11.37	10.51	1.082	ok	1.082	1.022-1.142
Tertiary Butyl Alcohol	6.03	8.28	0.728	ok	0.726	0.666-0.786
Tetrachloroethylene	15.22	10.51	1.448	ok	1.448	1.388-1.508
Tetrahydrofuran	8.94	8.28	1.080	ok	1.073	1.013-1.133
Toluene	13.70	10.51	1.304	ok	1.303	1.243-1.363
Trichloroethylene	11.35	10.51	1.080	ok	1.080	1.020-1.140
Trichlorofluoromethane	5.37	8.28	0.649	ok	0.648	0.588-0.708
Vinyl chloride	4.21	8.28	0.508	ok	0.508	0.448-0.568
Vinyl Acetate	7.37	8.28	0.890	ok	0.890	0.830-0.950
m,p-Xylene	16.98	16.11	1.054	ok	1.054	0.994-1.114
o-Xylene	17.67	16.11	1.097	ok	1.097	1.037-1.157
TVHC As Equiv Pentane	5.68	16.11	0.353	ok	0.352	0.292-0.412

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.28	ok	8.29	7.96-8.62	97572	ok	97579	58547-136611
1,4-Difluorobenzene	10.51	ok	10.51	10.18-10.84	361237	ok	357587	214552-500622
Chlorobenzene-D5	16.11	ok	16.11	15.78-16.44	183976	ok	190691	114415-266967

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.24	8.28	0.633	ok	0.631	0.571-0.691
Acrylonitrile	5.65	8.28	0.682	ok	0.682	0.622-0.742
Acetonitrile	5.01	8.28	0.605	ok	0.604	0.544-0.664
1,3-Butadiene	4.32	8.28	0.522	ok	0.521	0.461-0.581
Benzene	10.07	8.28	1.216	ok	1.216	1.156-1.276
Bromobenzene	18.69	16.11	1.160	ok	1.160	1.100-1.220
Bromodichloromethane	11.30	10.51	1.075	ok	1.075	1.015-1.135
Bromoform	17.06	16.11	1.059	ok	1.060	1.000-1.120
Bromomethane	4.55	8.28	0.550	ok	0.549	0.489-0.609
Bromoethene	5.00	8.28	0.604	ok	0.603	0.543-0.663
n-Butane	4.36	8.28	0.527	ok	0.526	0.466-0.586
Benzyl Chloride	20.45	16.11	1.269	ok	1.270	1.210-1.330
n-Butylbenzene	21.43	16.11	1.330	ok	1.330	1.270-1.390
sec-Butylbenzene	20.64	16.11	1.281	ok	1.281	1.221-1.341
tert-Butylbenzene	20.26	16.11	1.258	ok	1.257	1.197-1.317
Carbon disulfide	6.36	8.28	0.768	ok	0.767	0.707-0.827
Chlorobenzene	16.17	16.11	1.004	ok	1.004	0.944-1.064
Chloroethane	4.69	8.28	0.566	ok	0.566	0.506-0.626
Chloroform	8.42	8.28	1.017	ok	1.017	0.957-1.077
Chloromethane	4.03	8.28	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.18	8.28	0.746	ok	0.747	0.687-0.807
2-Chlorotoluene	19.29	16.11	1.197	ok	1.197	1.137-1.257
Carbon tetrachloride	10.25	8.28	1.238	ok	1.237	1.177-1.297
Cyclohexane	10.38	8.28	1.254	ok	1.253	1.193-1.313
1,1-Dichloroethane	7.20	8.28	0.870	ok	0.870	0.810-0.930
1,1-Dichloroethylene	5.95	8.28	0.719	ok	0.718	0.658-0.778
1,2-Dibromoethane	14.57	10.51	1.386	ok	1.387	1.327-1.447
1,2-Dichloroethane	9.25	8.28	1.117	ok	1.117	1.057-1.177
1,2-Dichloropropane	11.06	10.51	1.052	ok	1.052	0.992-1.112
1,4-Dioxane	11.40	10.51	1.085	ok	1.084	1.024-1.144
Dichlorodifluoromethane	3.89	8.28	0.470	ok	0.469	0.409-0.529
Dichlorofluoromethane	4.77	8.28	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	14.26	10.51	1.357	ok	1.357	1.297-1.417
Dibromomethane	11.03	10.51	1.049	ok	1.050	0.990-1.110
trans-1,2-Dichloroethylene	6.99	8.28	0.844	ok	0.844	0.784-0.904
cis-1,2-Dichloroethylene	8.10	8.28	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	12.45	10.51	1.185	ok	1.184	1.124-1.244
m-Dichlorobenzene	20.47	16.11	1.271	ok	1.271	1.211-1.331
o-Dichlorobenzene	21.02	16.11	1.305	ok	1.305	1.245-1.365

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	20.56	16.11	1.276	ok	1.276	1.216-1.336
trans-1,3-Dichloropropene	13.13	10.51	1.249	ok	1.249	1.189-1.309
Di-Isopropyl ether	8.32	8.28	1.005	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.67	8.28	1.289	ok	1.288	1.228-1.348
2,4-Dimethylpentane	9.30	8.28	1.123	ok	1.123	1.063-1.183
Ethanol	4.81	8.28	0.581	ok	0.580	0.520-0.640
Ethylbenzene	16.72	16.11	1.038	ok	1.038	0.978-1.098
Ethyl Acetate	8.36	8.28	1.010	ok	1.008	0.948-1.068
4-Ethyltoluene	19.58	16.11	1.215	ok	1.215	1.155-1.275
Freon 113	6.32	8.28	0.763	ok	0.763	0.703-0.823
Freon 114	4.10	8.28	0.495	ok	0.496	0.436-0.556
Freon 123	5.12	8.28	0.618	ok	0.618	0.558-0.678
Freon 123A	5.17	8.28	0.624	ok	0.625	0.565-0.685
Heptane	11.72	10.51	1.115	ok	1.115	1.055-1.175
Hexachlorobutadiene	23.78	16.11	1.476	ok	1.476	1.416-1.536
Hexachloroethane	21.90	16.11	1.359	ok	1.359	1.299-1.419
Hexane	8.31	8.28	1.004	ok	1.003	0.943-1.063
2-Hexanone	14.08	10.51	1.340	ok	1.339	1.279-1.399
Iodomethane	5.89	8.28	0.711	ok	0.711	0.651-0.771
Isopropylbenzene	18.58	16.11	1.153	ok	1.153	1.093-1.213
Isopropyl Alcohol	5.46	8.28	0.659	ok	0.658	0.598-0.718
p-Isopropyltoluene	20.86	16.11	1.295	ok	1.295	1.235-1.355
Methylene chloride	6.07	8.28	0.733	ok	0.734	0.674-0.794
Methyl ethyl ketone	7.66	8.28	0.925	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	12.50	10.51	1.189	ok	1.189	1.129-1.249
Methyl Tert Butyl Ether	7.28	8.28	0.879	ok	0.878	0.818-0.938
Methylmethacrylate	11.63	10.51	1.107	ok	1.107	1.047-1.167
Naphthalene	23.33	16.11	1.448	ok	1.448	1.388-1.508
Nonane	18.04	16.11	1.120	ok	1.120	1.060-1.180
Octane	15.05	10.51	1.432	ok	1.432	1.372-1.492
Pentane	5.68	8.28	0.686	ok	0.686	0.626-0.746
n-Propylbenzene	19.36	16.11	1.202	ok	1.202	1.142-1.262
Propylene	3.83	8.28	0.463	ok	0.462	0.402-0.522
Styrene	17.52	16.11	1.088	ok	1.088	1.028-1.148
1,1,1-Trichloroethane	9.53	8.28	1.151	ok	1.151	1.091-1.211
1,1,1,2-Tetrachloroethane	16.15	10.51	1.537	ok	1.536	1.476-1.596
1,1,2,2-Tetrachloroethane	17.67	16.11	1.097	ok	1.097	1.037-1.157
1,1,2-Trichloroethane	13.34	10.51	1.269	ok	1.269	1.209-1.329
1,2,4-Trichlorobenzene	23.21	16.11	1.441	ok	1.441	1.381-1.501

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,3-Trichloropropane	17.86	16.11	1.109	ok	1.109	1.049-1.169
1,2,4-Trimethylbenzene	20.27	16.11	1.258	ok	1.259	1.199-1.319
1,3,5-Trimethylbenzene	19.69	16.11	1.222	ok	1.222	1.162-1.282
2,2,4-Trimethylpentane	11.37	10.51	1.082	ok	1.082	1.022-1.142
Tertiary Butyl Alcohol	6.02	8.28	0.727	ok	0.726	0.666-0.786
Tetrachloroethylene	15.22	10.51	1.448	ok	1.448	1.388-1.508
Tetrahydrofuran	8.92	8.28	1.077	ok	1.073	1.013-1.133
Toluene	13.70	10.51	1.304	ok	1.303	1.243-1.363
Trichloroethylene	11.35	10.51	1.080	ok	1.080	1.020-1.140
Trichlorofluoromethane	5.36	8.28	0.647	ok	0.648	0.588-0.708
Vinyl chloride	4.21	8.28	0.508	ok	0.508	0.448-0.568
Vinyl Acetate	7.37	8.28	0.890	ok	0.890	0.830-0.950
m,p-Xylene	16.97	16.11	1.053	ok	1.054	0.994-1.114
o-Xylene	17.66	16.11	1.096	ok	1.097	1.037-1.157
TVHC As Equiv Pentane	5.67	16.11	0.352	ok	0.352	0.292-0.412

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.28	ok	8.29	7.96-8.62	95107	ok	97579	58547-136611
1,4-Difluorobenzene	10.51	ok	10.51	10.18-10.84	352358	ok	357587	214552-500622
Chlorobenzene-D5	16.11	ok	16.11	15.78-16.44	179447	ok	190691	114415-266967

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	Reporting this level
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.23	8.29	0.631	ok	0.631	0.571-0.691
Acrylonitrile	5.65	8.29	0.682	ok	0.682	0.622-0.742
Acetonitrile	5.00	8.29	0.603	ok	0.604	0.544-0.664
1,3-Butadiene	4.32	8.29	0.521	ok	0.521	0.461-0.581
Benzene	10.08	8.29	1.216	ok	1.216	1.156-1.276
Bromobenzene	18.69	16.11	1.160	ok	1.160	1.100-1.220
Bromodichloromethane	11.30	10.51	1.075	ok	1.075	1.015-1.135
Bromoform	17.06	16.11	1.059	ok	1.060	1.000-1.120
Bromomethane	4.55	8.29	0.549	ok	0.549	0.489-0.609
Bromoethene	5.00	8.29	0.603	ok	0.603	0.543-0.663
n-Butane	4.36	8.29	0.526	ok	0.526	0.466-0.586
Benzyl Chloride	20.45	16.11	1.269	ok	1.270	1.210-1.330
n-Butylbenzene	21.43	16.11	1.330	ok	1.330	1.270-1.390
sec-Butylbenzene	20.64	16.11	1.281	ok	1.281	1.221-1.341
tert-Butylbenzene	20.26	16.11	1.258	ok	1.257	1.197-1.317
Carbon disulfide	6.36	8.29	0.767	ok	0.767	0.707-0.827
Chlorobenzene	16.17	16.11	1.004	ok	1.004	0.944-1.064
Chloroethane	4.69	8.29	0.566	ok	0.566	0.506-0.626
Chloroform	8.43	8.29	1.017	ok	1.017	0.957-1.077
Chloromethane	4.03	8.29	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.18	8.29	0.745	ok	0.747	0.687-0.807
2-Chlorotoluene	19.28	16.11	1.197	ok	1.197	1.137-1.257
Carbon tetrachloride	10.25	8.29	1.236	ok	1.237	1.177-1.297
Cyclohexane	10.38	8.29	1.252	ok	1.253	1.193-1.313
1,1-Dichloroethane	7.20	8.29	0.869	ok	0.870	0.810-0.930
1,1-Dichloroethylene	5.95	8.29	0.718	ok	0.718	0.658-0.778
1,2-Dibromoethane	14.57	10.51	1.386	ok	1.387	1.327-1.447
1,2-Dichloroethane	9.25	8.29	1.116	ok	1.117	1.057-1.177
1,2-Dichloropropane	11.05	10.51	1.051	ok	1.052	0.992-1.112
1,4-Dioxane	11.37	10.51	1.082	ok	1.084	1.024-1.144
Dichlorodifluoromethane	3.89	8.29	0.469	ok	0.469	0.409-0.529
Dichlorofluoromethane	4.77	8.29	0.575	ok	0.576	0.516-0.636
Dibromochloromethane	14.26	10.51	1.357	ok	1.357	1.297-1.417
Dibromomethane	11.03	10.51	1.049	ok	1.050	0.990-1.110
trans-1,2-Dichloroethylene	6.99	8.29	0.843	ok	0.844	0.784-0.904
cis-1,2-Dichloroethylene	8.10	8.29	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	12.44	10.51	1.184	ok	1.184	1.124-1.244
m-Dichlorobenzene	20.46	16.11	1.270	ok	1.271	1.211-1.331
o-Dichlorobenzene	21.02	16.11	1.305	ok	1.305	1.245-1.365

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	Reporting this level
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	20.56	16.11	1.276	ok	1.276	1.216-1.336
trans-1,3-Dichloropropene	13.12	10.51	1.248	ok	1.249	1.189-1.309
Di-Isopropyl ether	8.31	8.29	1.002	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.67	8.29	1.287	ok	1.288	1.228-1.348
2,4-Dimethylpentane	9.30	8.29	1.122	ok	1.123	1.063-1.183
Ethanol	4.80	8.29	0.579	ok	0.580	0.520-0.640
Ethylbenzene	16.72	16.11	1.038	ok	1.038	0.978-1.098
Ethyl Acetate	8.35	8.29	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	19.57	16.11	1.215	ok	1.215	1.155-1.275
Freon 113	6.32	8.29	0.762	ok	0.763	0.703-0.823
Freon 114	4.11	8.29	0.496	ok	0.496	0.436-0.556
Freon 123	5.12	8.29	0.618	ok	0.618	0.558-0.678
Freon 123A	5.18	8.29	0.625	ok	0.625	0.565-0.685
Heptane	11.72	10.51	1.115	ok	1.115	1.055-1.175
Hexachlorobutadiene	23.78	16.11	1.476	ok	1.476	1.416-1.536
Hexachloroethane	21.89	16.11	1.359	ok	1.359	1.299-1.419
Hexane	8.31	8.29	1.002	ok	1.003	0.943-1.063
2-Hexanone	14.07	10.51	1.339	ok	1.339	1.279-1.399
Iodomethane	5.89	8.29	0.710	ok	0.711	0.651-0.771
Isopropylbenzene	18.58	16.11	1.153	ok	1.153	1.093-1.213
Isopropyl Alcohol	5.44	8.29	0.656	ok	0.658	0.598-0.718
p-Isopropyltoluene	20.86	16.11	1.295	ok	1.295	1.235-1.355
Methylene chloride	6.08	8.29	0.733	ok	0.734	0.674-0.794
Methyl ethyl ketone	7.63	8.29	0.920	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	12.49	10.51	1.188	ok	1.189	1.129-1.249
Methyl Tert Butyl Ether	7.26	8.29	0.876	ok	0.878	0.818-0.938
Methylmethacrylate	11.63	10.51	1.107	ok	1.107	1.047-1.167
Naphthalene	23.33	16.11	1.448	ok	1.448	1.388-1.508
Nonane	18.04	16.11	1.120	ok	1.120	1.060-1.180
Octane	15.05	10.51	1.432	ok	1.432	1.372-1.492
Pentane	5.68	8.29	0.685	ok	0.686	0.626-0.746
n-Propylbenzene	19.35	16.11	1.201	ok	1.202	1.142-1.262
Propylene	3.83	8.29	0.462	ok	0.462	0.402-0.522
Styrene	17.51	16.11	1.087	ok	1.088	1.028-1.148
1,1,1-Trichloroethane	9.54	8.29	1.151	ok	1.151	1.091-1.211
1,1,1,2-Tetrachloroethane	16.15	10.51	1.537	ok	1.536	1.476-1.596
1,1,2,2-Tetrachloroethane	17.66	16.11	1.096	ok	1.097	1.037-1.157
1,1,2-Trichloroethane	13.34	10.51	1.269	ok	1.269	1.209-1.329
1,2,4-Trichlorobenzene	23.21	16.11	1.441	ok	1.441	1.381-1.501

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	Reporting this level
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,3-Trichloropropane	17.86	16.11	1.109	ok	1.109	1.049-1.169
1,2,4-Trimethylbenzene	20.27	16.11	1.258	ok	1.259	1.199-1.319
1,3,5-Trimethylbenzene	19.69	16.11	1.222	ok	1.222	1.162-1.282
2,2,4-Trimethylpentane	11.37	10.51	1.082	ok	1.082	1.022-1.142
Tertiary Butyl Alcohol	6.00	8.29	0.724	ok	0.726	0.666-0.786
Tetrachloroethylene	15.22	10.51	1.448	ok	1.448	1.388-1.508
Tetrahydrofuran	8.88	8.29	1.071	ok	1.073	1.013-1.133
Toluene	13.69	10.51	1.303	ok	1.303	1.243-1.363
Trichloroethylene	11.35	10.51	1.080	ok	1.080	1.020-1.140
Trichlorofluoromethane	5.37	8.29	0.648	ok	0.648	0.588-0.708
Vinyl chloride	4.21	8.29	0.508	ok	0.508	0.448-0.568
Vinyl Acetate	7.37	8.29	0.889	ok	0.890	0.830-0.950
m,p-Xylene	16.97	16.11	1.053	ok	1.054	0.994-1.114
o-Xylene	17.66	16.11	1.096	ok	1.097	1.037-1.157
TVHC As Equiv Pentane	5.67	16.11	0.352	ok	0.352	0.292-0.412

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.29	ok	8.29	7.96-8.62	93699	ok	97579	58547-136611
1,4-Difluorobenzene	10.51	ok	10.51	10.18-10.84	347219	ok	357587	214552-500622
Chlorobenzene-D5	16.11	ok	16.11	15.78-16.44	179765	ok	190691	114415-266967

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.22	8.29	0.630	ok	0.631	0.571-0.691
Acrylonitrile	5.65	8.29	0.682	ok	0.682	0.622-0.742
Acetonitrile	5.00	8.29	0.603	ok	0.604	0.544-0.664
1,3-Butadiene	4.32	8.29	0.521	ok	0.521	0.461-0.581
Benzene	10.08	8.29	1.216	ok	1.216	1.156-1.276
Bromobenzene	18.69	16.11	1.160	ok	1.160	1.100-1.220
Bromodichloromethane	11.30	10.51	1.075	ok	1.075	1.015-1.135
Bromoform	17.06	16.11	1.059	ok	1.060	1.000-1.120
Bromomethane	4.55	8.29	0.549	ok	0.549	0.489-0.609
Bromoethene	5.00	8.29	0.603	ok	0.603	0.543-0.663
n-Butane	4.36	8.29	0.526	ok	0.526	0.466-0.586
Benzyl Chloride	20.45	16.11	1.269	ok	1.270	1.210-1.330
n-Butylbenzene	21.43	16.11	1.330	ok	1.330	1.270-1.390
sec-Butylbenzene	20.64	16.11	1.281	ok	1.281	1.221-1.341
tert-Butylbenzene	20.26	16.11	1.258	ok	1.257	1.197-1.317
Carbon disulfide	6.36	8.29	0.767	ok	0.767	0.707-0.827
Chlorobenzene	16.17	16.11	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.80	8.29	0.458	ok	0.458	0.398-0.518
Chloroethane	4.69	8.29	0.566	ok	0.566	0.506-0.626
Chloroform	8.43	8.29	1.017	ok	1.017	0.957-1.077
Chloromethane	4.03	8.29	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.19	8.29	0.747	ok	0.747	0.687-0.807
2-Chlorotoluene	19.28	16.11	1.197	ok	1.197	1.137-1.257
Carbon tetrachloride	10.25	8.29	1.236	ok	1.237	1.177-1.297
Cyclohexane	10.38	8.29	1.252	ok	1.253	1.193-1.313
1,1-Dichloroethane	7.21	8.29	0.870	ok	0.870	0.810-0.930
1,1-Dichloroethylene	5.95	8.29	0.718	ok	0.718	0.658-0.778
1,2-Dibromoethane	14.57	10.51	1.386	ok	1.387	1.327-1.447
1,2-Dichloroethane	9.25	8.29	1.116	ok	1.117	1.057-1.177
1,2-Dichloropropane	11.05	10.51	1.051	ok	1.052	0.992-1.112
1,4-Dioxane	11.37	10.51	1.082	ok	1.084	1.024-1.144
Dichlorodifluoromethane	3.89	8.29	0.469	ok	0.469	0.409-0.529
Dichlorofluoromethane	4.77	8.29	0.575	ok	0.576	0.516-0.636
Dibromochloromethane	14.26	10.51	1.357	ok	1.357	1.297-1.417
Dibromomethane	11.03	10.51	1.049	ok	1.050	0.990-1.110
trans-1,2-Dichloroethylene	6.99	8.29	0.843	ok	0.844	0.784-0.904
cis-1,2-Dichloroethylene	8.10	8.29	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	12.44	10.51	1.184	ok	1.184	1.124-1.244
m-Dichlorobenzene	20.46	16.11	1.270	ok	1.271	1.211-1.331

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	21.02	16.11	1.305	ok	1.305	1.245-1.365
p-Dichlorobenzene	20.56	16.11	1.276	ok	1.276	1.216-1.336
trans-1,3-Dichloropropene	13.12	10.51	1.248	ok	1.249	1.189-1.309
Di-Isopropyl ether	8.31	8.29	1.002	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.68	8.29	1.288	ok	1.288	1.228-1.348
2,4-Dimethylpentane	9.30	8.29	1.122	ok	1.123	1.063-1.183
Ethanol	4.80	8.29	0.579	ok	0.580	0.520-0.640
Ethylbenzene	16.72	16.11	1.038	ok	1.038	0.978-1.098
Ethyl Acetate	8.35	8.29	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	19.57	16.11	1.215	ok	1.215	1.155-1.275
Freon 113	6.32	8.29	0.762	ok	0.763	0.703-0.823
Freon 114	4.11	8.29	0.496	ok	0.496	0.436-0.556
Freon 123	5.12	8.29	0.618	ok	0.618	0.558-0.678
Freon 123A	5.18	8.29	0.625	ok	0.625	0.565-0.685
Heptane	11.72	10.51	1.115	ok	1.115	1.055-1.175
Hexachlorobutadiene	23.78	16.11	1.476	ok	1.476	1.416-1.536
Hexachloroethane	21.90	16.11	1.359	ok	1.359	1.299-1.419
Hexane	8.31	8.29	1.002	ok	1.003	0.943-1.063
2-Hexanone	14.07	10.51	1.339	ok	1.339	1.279-1.399
Iodomethane	5.89	8.29	0.710	ok	0.711	0.651-0.771
Isopropylbenzene	18.58	16.11	1.153	ok	1.153	1.093-1.213
Isopropyl Alcohol	5.44	8.29	0.656	ok	0.658	0.598-0.718
p-Isopropyltoluene	20.86	16.11	1.295	ok	1.295	1.235-1.355
Methylene chloride	6.08	8.29	0.733	ok	0.734	0.674-0.794
Methyl ethyl ketone	7.63	8.29	0.920	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	12.48	10.51	1.187	ok	1.189	1.129-1.249
Methyl Tert Butyl Ether	7.26	8.29	0.876	ok	0.878	0.818-0.938
Methylmethacrylate	11.63	10.51	1.107	ok	1.107	1.047-1.167
Naphthalene	23.33	16.11	1.448	ok	1.448	1.388-1.508
Nonane	18.04	16.11	1.120	ok	1.120	1.060-1.180
Octane	15.05	10.51	1.432	ok	1.432	1.372-1.492
Pentane	5.68	8.29	0.685	ok	0.686	0.626-0.746
n-Propylbenzene	19.35	16.11	1.201	ok	1.202	1.142-1.262
Propylene	3.83	8.29	0.462	ok	0.462	0.402-0.522
Styrene	17.51	16.11	1.087	ok	1.088	1.028-1.148
1,1,1-Trichloroethane	9.53	8.29	1.150	ok	1.151	1.091-1.211
1,1,1,2-Tetrachloroethane	16.15	10.51	1.537	ok	1.536	1.476-1.596
1,1,2,2-Tetrachloroethane	17.66	16.11	1.096	ok	1.097	1.037-1.157
1,1,2-Trichloroethane	13.34	10.51	1.269	ok	1.269	1.209-1.329

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trichlorobenzene	23.21	16.11	1.441	ok	1.441	1.381-1.501
1,2,3-Trichloropropane	17.86	16.11	1.109	ok	1.109	1.049-1.169
1,2,4-Trimethylbenzene	20.27	16.11	1.258	ok	1.259	1.199-1.319
1,3,5-Trimethylbenzene	19.69	16.11	1.222	ok	1.222	1.162-1.282
2,2,4-Trimethylpentane	11.37	10.51	1.082	ok	1.082	1.022-1.142
Tertiary Butyl Alcohol	6.00	8.29	0.724	ok	0.726	0.666-0.786
Tetrachloroethylene	15.22	10.51	1.448	ok	1.448	1.388-1.508
Tetrahydrofuran	8.88	8.29	1.071	ok	1.073	1.013-1.133
Toluene	13.69	10.51	1.303	ok	1.303	1.243-1.363
Trichloroethylene	11.35	10.51	1.080	ok	1.080	1.020-1.140
Trichlorofluoromethane	5.37	8.29	0.648	ok	0.648	0.588-0.708
Vinyl chloride	4.21	8.29	0.508	ok	0.508	0.448-0.568
Vinyl Acetate	7.37	8.29	0.889	ok	0.890	0.830-0.950
m,p-Xylene	16.99	16.11	1.055	ok	1.054	0.994-1.114
o-Xylene	17.66	16.11	1.096	ok	1.097	1.037-1.157
TVHC As Equiv Pentane	5.67	16.11	0.352	ok	0.352	0.292-0.412

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.29	ok	8.29	7.96-8.62	97576	ok	97579	58547-136611
1,4-Difluorobenzene	10.51	ok	10.51	10.18-10.84	356921	ok	357587	214552-500622
Chlorobenzene-D5	16.11	ok	16.11	15.78-16.44	187272	ok	190691	114415-266967

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: 95 South 5th Street, Brooklyn, NY

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V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.22	8.29	0.630	ok	0.631	0.571-0.691
Acrylonitrile	5.65	8.29	0.682	ok	0.682	0.622-0.742
Acetonitrile	5.00	8.29	0.603	ok	0.604	0.544-0.664
1,3-Butadiene	4.32	8.29	0.521	ok	0.521	0.461-0.581
Benzene	10.08	8.29	1.216	ok	1.216	1.156-1.276
Bromobenzene	18.69	16.11	1.160	ok	1.160	1.100-1.220
Bromodichloromethane	11.31	10.51	1.076	ok	1.075	1.015-1.135
Bromoform	17.07	16.11	1.060	ok	1.060	1.000-1.120
Bromomethane	4.55	8.29	0.549	ok	0.549	0.489-0.609
Bromoethene	5.00	8.29	0.603	ok	0.603	0.543-0.663
n-Butane	4.36	8.29	0.526	ok	0.526	0.466-0.586
Benzyl Chloride	20.45	16.11	1.269	ok	1.270	1.210-1.330
n-Butylbenzene	21.43	16.11	1.330	ok	1.330	1.270-1.390
sec-Butylbenzene	20.64	16.11	1.281	ok	1.281	1.221-1.341
tert-Butylbenzene	20.26	16.11	1.258	ok	1.257	1.197-1.317
Carbon disulfide	6.36	8.29	0.767	ok	0.767	0.707-0.827
Chlorobenzene	16.17	16.11	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.80	8.29	0.458	ok	0.458	0.398-0.518
Chloroethane	4.69	8.29	0.566	ok	0.566	0.506-0.626
Chloroform	8.43	8.29	1.017	ok	1.017	0.957-1.077
Chloromethane	4.03	8.29	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.19	8.29	0.747	ok	0.747	0.687-0.807
2-Chlorotoluene	19.28	16.11	1.197	ok	1.197	1.137-1.257
Carbon tetrachloride	10.26	8.29	1.238	ok	1.237	1.177-1.297
Cyclohexane	10.38	8.29	1.252	ok	1.253	1.193-1.313
1,1-Dichloroethane	7.21	8.29	0.870	ok	0.870	0.810-0.930
1,1-Dichloroethylene	5.95	8.29	0.718	ok	0.718	0.658-0.778
1,2-Dibromoethane	14.58	10.51	1.387	ok	1.387	1.327-1.447
1,2-Dichloroethane	9.25	8.29	1.116	ok	1.117	1.057-1.177
1,2-Dichloropropane	11.06	10.51	1.052	ok	1.052	0.992-1.112
1,4-Dioxane	11.36	10.51	1.081	ok	1.084	1.024-1.144
Dichlorodifluoromethane	3.89	8.29	0.469	ok	0.469	0.409-0.529
Dichlorofluoromethane	4.77	8.29	0.575	ok	0.576	0.516-0.636
Dibromochloromethane	14.26	10.51	1.357	ok	1.357	1.297-1.417
Dibromomethane	11.04	10.51	1.050	ok	1.050	0.990-1.110
trans-1,2-Dichloroethylene	6.99	8.29	0.843	ok	0.844	0.784-0.904
cis-1,2-Dichloroethylene	8.11	8.29	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	12.45	10.51	1.185	ok	1.184	1.124-1.244
m-Dichlorobenzene	20.46	16.11	1.270	ok	1.271	1.211-1.331

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	21.02	16.11	1.305	ok	1.305	1.245-1.365
p-Dichlorobenzene	20.56	16.11	1.276	ok	1.276	1.216-1.336
trans-1,3-Dichloropropene	13.12	10.51	1.248	ok	1.249	1.189-1.309
Di-Isopropyl ether	8.31	8.29	1.002	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.68	8.29	1.288	ok	1.288	1.228-1.348
2,4-Dimethylpentane	9.31	8.29	1.123	ok	1.123	1.063-1.183
Ethanol	4.80	8.29	0.579	ok	0.580	0.520-0.640
Ethylbenzene	16.72	16.11	1.038	ok	1.038	0.978-1.098
Ethyl Acetate	8.35	8.29	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	19.58	16.11	1.215	ok	1.215	1.155-1.275
Freon 113	6.32	8.29	0.762	ok	0.763	0.703-0.823
Freon 114	4.11	8.29	0.496	ok	0.496	0.436-0.556
Freon 123	5.12	8.29	0.618	ok	0.618	0.558-0.678
Freon 123A	5.18	8.29	0.625	ok	0.625	0.565-0.685
Heptane	11.72	10.51	1.115	ok	1.115	1.055-1.175
Hexachlorobutadiene	23.78	16.11	1.476	ok	1.476	1.416-1.536
Hexachloroethane	21.90	16.11	1.359	ok	1.359	1.299-1.419
Hexane	8.31	8.29	1.002	ok	1.003	0.943-1.063
2-Hexanone	14.07	10.51	1.339	ok	1.339	1.279-1.399
Iodomethane	5.89	8.29	0.710	ok	0.711	0.651-0.771
Isopropylbenzene	18.58	16.11	1.153	ok	1.153	1.093-1.213
Isopropyl Alcohol	5.44	8.29	0.656	ok	0.658	0.598-0.718
p-Isopropyltoluene	20.87	16.11	1.295	ok	1.295	1.235-1.355
Methylene chloride	6.08	8.29	0.733	ok	0.734	0.674-0.794
Methyl ethyl ketone	7.62	8.29	0.919	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	12.48	10.51	1.187	ok	1.189	1.129-1.249
Methyl Tert Butyl Ether	7.26	8.29	0.876	ok	0.878	0.818-0.938
Methylmethacrylate	11.63	10.51	1.107	ok	1.107	1.047-1.167
Naphthalene	23.33	16.11	1.448	ok	1.448	1.388-1.508
Nonane	18.04	16.11	1.120	ok	1.120	1.060-1.180
Octane	15.05	10.51	1.432	ok	1.432	1.372-1.492
Pentane	5.68	8.29	0.685	ok	0.686	0.626-0.746
n-Propylbenzene	19.36	16.11	1.202	ok	1.202	1.142-1.262
Propylene	3.83	8.29	0.462	ok	0.462	0.402-0.522
Styrene	17.51	16.11	1.087	ok	1.088	1.028-1.148
1,1,1-Trichloroethane	9.54	8.29	1.151	ok	1.151	1.091-1.211
1,1,1,2-Tetrachloroethane	16.15	10.51	1.537	ok	1.536	1.476-1.596
1,1,2,2-Tetrachloroethane	17.66	16.11	1.096	ok	1.097	1.037-1.157
1,1,2-Trichloroethane	13.34	10.51	1.269	ok	1.269	1.209-1.329

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trichlorobenzene	23.21	16.11	1.441	ok	1.441	1.381-1.501
1,2,3-Trichloropropane	17.86	16.11	1.109	ok	1.109	1.049-1.169
1,2,4-Trimethylbenzene	20.27	16.11	1.258	ok	1.259	1.199-1.319
1,3,5-Trimethylbenzene	19.69	16.11	1.222	ok	1.222	1.162-1.282
2,2,4-Trimethylpentane	11.37	10.51	1.082	ok	1.082	1.022-1.142
Tertiary Butyl Alcohol	6.00	8.29	0.724	ok	0.726	0.666-0.786
Tetrachloroethylene	15.22	10.51	1.448	ok	1.448	1.388-1.508
Tetrahydrofuran	8.87	8.29	1.070	ok	1.073	1.013-1.133
Toluene	13.70	10.51	1.304	ok	1.303	1.243-1.363
Trichloroethylene	11.35	10.51	1.080	ok	1.080	1.020-1.140
Trichlorofluoromethane	5.37	8.29	0.648	ok	0.648	0.588-0.708
Vinyl chloride	4.21	8.29	0.508	ok	0.508	0.448-0.568
Vinyl Acetate	7.37	8.29	0.889	ok	0.890	0.830-0.950
m,p-Xylene	16.99	16.11	1.055	ok	1.054	0.994-1.114
o-Xylene	17.67	16.11	1.097	ok	1.097	1.037-1.157
TVHC As Equiv Pentane	5.68	16.11	0.353	ok	0.352	0.292-0.412

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.29	ok	8.29	7.96-8.62	97910	ok	97579	58547-136611
1,4-Difluorobenzene	10.51	ok	10.51	10.18-10.84	352902	ok	357587	214552-500622
Chlorobenzene-D5	16.11	ok	16.11	15.78-16.44	195337	ok	190691	114415-266967

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.22	8.29	0.630	ok	0.631	0.571-0.691
Acrylonitrile	5.65	8.29	0.682	ok	0.682	0.622-0.742
Acetonitrile	5.00	8.29	0.603	ok	0.604	0.544-0.664
1,3-Butadiene	4.32	8.29	0.521	ok	0.521	0.461-0.581
Benzene	10.08	8.29	1.216	ok	1.216	1.156-1.276
Bromobenzene	18.69	16.11	1.160	ok	1.160	1.100-1.220
Bromodichloromethane	11.31	10.52	1.075	ok	1.075	1.015-1.135
Bromoform	17.07	16.11	1.060	ok	1.060	1.000-1.120
Bromomethane	4.55	8.29	0.549	ok	0.549	0.489-0.609
Bromoethene	5.00	8.29	0.603	ok	0.603	0.543-0.663
n-Butane	4.36	8.29	0.526	ok	0.526	0.466-0.586
Benzyl Chloride	20.45	16.11	1.269	ok	1.270	1.210-1.330
n-Butylbenzene	21.43	16.11	1.330	ok	1.330	1.270-1.390
sec-Butylbenzene	20.64	16.11	1.281	ok	1.281	1.221-1.341
tert-Butylbenzene	20.26	16.11	1.258	ok	1.257	1.197-1.317
Carbon disulfide	6.36	8.29	0.767	ok	0.767	0.707-0.827
Chlorobenzene	16.18	16.11	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.80	8.29	0.458	ok	0.458	0.398-0.518
Chloroethane	4.69	8.29	0.566	ok	0.566	0.506-0.626
Chloroform	8.43	8.29	1.017	ok	1.017	0.957-1.077
Chloromethane	4.03	8.29	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.19	8.29	0.747	ok	0.747	0.687-0.807
2-Chlorotoluene	19.29	16.11	1.197	ok	1.197	1.137-1.257
Carbon tetrachloride	10.26	8.29	1.238	ok	1.237	1.177-1.297
Cyclohexane	10.39	8.29	1.253	ok	1.253	1.193-1.313
1,1-Dichloroethane	7.21	8.29	0.870	ok	0.870	0.810-0.930
1,1-Dichloroethylene	5.95	8.29	0.718	ok	0.718	0.658-0.778
1,2-Dibromoethane	14.58	10.52	1.386	ok	1.387	1.327-1.447
1,2-Dichloroethane	9.26	8.29	1.117	ok	1.117	1.057-1.177
1,2-Dichloropropane	11.06	10.52	1.051	ok	1.052	0.992-1.112
1,4-Dioxane	11.37	10.52	1.081	ok	1.084	1.024-1.144
Dichlorodifluoromethane	3.89	8.29	0.469	ok	0.469	0.409-0.529
Dichlorofluoromethane	4.77	8.29	0.575	ok	0.576	0.516-0.636
Dibromochloromethane	14.26	10.52	1.356	ok	1.357	1.297-1.417
Dibromomethane	11.04	10.52	1.049	ok	1.050	0.990-1.110
trans-1,2-Dichloroethylene	7.00	8.29	0.844	ok	0.844	0.784-0.904
cis-1,2-Dichloroethylene	8.11	8.29	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	12.45	10.52	1.183	ok	1.184	1.124-1.244
m-Dichlorobenzene	20.47	16.11	1.271	ok	1.271	1.211-1.331

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	21.02	16.11	1.305	ok	1.305	1.245-1.365
p-Dichlorobenzene	20.56	16.11	1.276	ok	1.276	1.216-1.336
trans-1,3-Dichloropropene	13.12	10.52	1.247	ok	1.249	1.189-1.309
Di-Isopropyl ether	8.31	8.29	1.002	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.68	8.29	1.288	ok	1.288	1.228-1.348
2,4-Dimethylpentane	9.31	8.29	1.123	ok	1.123	1.063-1.183
Ethanol	4.81	8.29	0.580	ok	0.580	0.520-0.640
Ethylbenzene	16.72	16.11	1.038	ok	1.038	0.978-1.098
Ethyl Acetate	8.35	8.29	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	19.58	16.11	1.215	ok	1.215	1.155-1.275
Freon 113	6.32	8.29	0.762	ok	0.763	0.703-0.823
Freon 114	4.11	8.29	0.496	ok	0.496	0.436-0.556
Freon 123	5.13	8.29	0.619	ok	0.618	0.558-0.678
Freon 123A	5.18	8.29	0.625	ok	0.625	0.565-0.685
Heptane	11.72	10.52	1.114	ok	1.115	1.055-1.175
Hexachlorobutadiene	23.78	16.11	1.476	ok	1.476	1.416-1.536
Hexachloroethane	21.90	16.11	1.359	ok	1.359	1.299-1.419
Hexane	8.31	8.29	1.002	ok	1.003	0.943-1.063
2-Hexanone	14.07	10.52	1.337	ok	1.339	1.279-1.399
Iodomethane	5.89	8.29	0.710	ok	0.711	0.651-0.771
Isopropylbenzene	18.58	16.11	1.153	ok	1.153	1.093-1.213
Isopropyl Alcohol	5.45	8.29	0.657	ok	0.658	0.598-0.718
p-Isopropyltoluene	20.87	16.11	1.295	ok	1.295	1.235-1.355
Methylene chloride	6.08	8.29	0.733	ok	0.734	0.674-0.794
Methyl ethyl ketone	7.62	8.29	0.919	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	12.49	10.52	1.187	ok	1.189	1.129-1.249
Methyl Tert Butyl Ether	7.26	8.29	0.876	ok	0.878	0.818-0.938
Methylmethacrylate	11.63	10.52	1.106	ok	1.107	1.047-1.167
Naphthalene	23.33	16.11	1.448	ok	1.448	1.388-1.508
Nonane	18.04	16.11	1.120	ok	1.120	1.060-1.180
Octane	15.05	10.52	1.431	ok	1.432	1.372-1.492
Pentane	5.68	8.29	0.685	ok	0.686	0.626-0.746
n-Propylbenzene	19.36	16.11	1.202	ok	1.202	1.142-1.262
Propylene	3.83	8.29	0.462	ok	0.462	0.402-0.522
Styrene	17.52	16.11	1.088	ok	1.088	1.028-1.148
1,1,1-Trichloroethane	9.54	8.29	1.151	ok	1.151	1.091-1.211
1,1,1,2-Tetrachloroethane	16.15	10.52	1.535	ok	1.536	1.476-1.596
1,1,2,2-Tetrachloroethane	17.67	16.11	1.097	ok	1.097	1.037-1.157
1,1,2-Trichloroethane	13.34	10.52	1.268	ok	1.269	1.209-1.329

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	Reporting this level
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trichlorobenzene	23.21	16.11	1.441	ok	1.441	1.381-1.501
1,2,3-Trichloropropane	17.86	16.11	1.109	ok	1.109	1.049-1.169
1,2,4-Trimethylbenzene	20.28	16.11	1.259	ok	1.259	1.199-1.319
1,3,5-Trimethylbenzene	19.69	16.11	1.222	ok	1.222	1.162-1.282
2,2,4-Trimethylpentane	11.37	10.52	1.081	ok	1.082	1.022-1.142
Tertiary Butyl Alcohol	6.00	8.29	0.724	ok	0.726	0.666-0.786
Tetrachloroethylene	15.22	10.52	1.447	ok	1.448	1.388-1.508
Tetrahydrofuran	8.87	8.29	1.070	ok	1.073	1.013-1.133
Toluene	13.70	10.52	1.302	ok	1.303	1.243-1.363
Trichloroethylene	11.36	10.52	1.080	ok	1.080	1.020-1.140
Trichlorofluoromethane	5.37	8.29	0.648	ok	0.648	0.588-0.708
Vinyl chloride	4.21	8.29	0.508	ok	0.508	0.448-0.568
Vinyl Acetate	7.37	8.29	0.889	ok	0.890	0.830-0.950
m,p-Xylene	16.99	16.11	1.055	ok	1.054	0.994-1.114
o-Xylene	17.67	16.11	1.097	ok	1.097	1.037-1.157
TVHC As Equiv Pentane	5.68	16.11	0.353	ok	0.352	0.292-0.412

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.29	ok	8.29	7.96-8.62	103364	ok	97579	58547-136611
1,4-Difluorobenzene	10.52	ok	10.51	10.18-10.84	372364	ok	357587	214552-500622
Chlorobenzene-D5	16.11	ok	16.11	15.78-16.44	211524	ok	190691	114415-266967

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.22	8.29	0.630	ok	0.631	0.571-0.691
Acrylonitrile	5.65	8.29	0.682	ok	0.682	0.622-0.742
Acetonitrile	5.00	8.29	0.603	ok	0.604	0.544-0.664
1,3-Butadiene	4.32	8.29	0.521	ok	0.521	0.461-0.581
Benzene	10.08	8.29	1.216	ok	1.216	1.156-1.276
Bromobenzene	18.69	16.12	1.159	ok	1.160	1.100-1.220
Bromodichloromethane	11.31	10.52	1.075	ok	1.075	1.015-1.135
Bromoform	17.08	16.12	1.060	ok	1.060	1.000-1.120
Bromomethane	4.55	8.29	0.549	ok	0.549	0.489-0.609
Bromoethene	5.00	8.29	0.603	ok	0.603	0.543-0.663
n-Butane	4.36	8.29	0.526	ok	0.526	0.466-0.586
Benzyl Chloride	20.45	16.12	1.269	ok	1.270	1.210-1.330
n-Butylbenzene	21.43	16.12	1.329	ok	1.330	1.270-1.390
sec-Butylbenzene	20.64	16.12	1.280	ok	1.281	1.221-1.341
tert-Butylbenzene	20.26	16.12	1.257	ok	1.257	1.197-1.317
Carbon disulfide	6.36	8.29	0.767	ok	0.767	0.707-0.827
Chlorobenzene	16.18	16.12	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.80	8.29	0.458	ok	0.458	0.398-0.518
Chloroethane	4.69	8.29	0.566	ok	0.566	0.506-0.626
Chloroform	8.43	8.29	1.017	ok	1.017	0.957-1.077
Chloromethane	4.03	8.29	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.19	8.29	0.747	ok	0.747	0.687-0.807
2-Chlorotoluene	19.29	16.12	1.197	ok	1.197	1.137-1.257
Carbon tetrachloride	10.26	8.29	1.238	ok	1.237	1.177-1.297
Cyclohexane	10.39	8.29	1.253	ok	1.253	1.193-1.313
1,1-Dichloroethane	7.21	8.29	0.870	ok	0.870	0.810-0.930
1,1-Dichloroethylene	5.96	8.29	0.719	ok	0.718	0.658-0.778
1,2-Dibromoethane	14.58	10.52	1.386	ok	1.387	1.327-1.447
1,2-Dichloroethane	9.26	8.29	1.117	ok	1.117	1.057-1.177
1,2-Dichloropropane	11.06	10.52	1.051	ok	1.052	0.992-1.112
1,4-Dioxane	11.37	10.52	1.081	ok	1.084	1.024-1.144
Dichlorodifluoromethane	3.89	8.29	0.469	ok	0.469	0.409-0.529
Dichlorofluoromethane	4.77	8.29	0.575	ok	0.576	0.516-0.636
Dibromochloromethane	14.26	10.52	1.356	ok	1.357	1.297-1.417
Dibromomethane	11.04	10.52	1.049	ok	1.050	0.990-1.110
trans-1,2-Dichloroethylene	7.00	8.29	0.844	ok	0.844	0.784-0.904
cis-1,2-Dichloroethylene	8.11	8.29	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	12.45	10.52	1.183	ok	1.184	1.124-1.244
m-Dichlorobenzene	20.47	16.12	1.270	ok	1.271	1.211-1.331

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	21.02	16.12	1.304	ok	1.305	1.245-1.365
p-Dichlorobenzene	20.56	16.12	1.275	ok	1.276	1.216-1.336
trans-1,3-Dichloropropene	13.12	10.52	1.247	ok	1.249	1.189-1.309
Di-Isopropyl ether	8.31	8.29	1.002	ok	1.004	0.944-1.064
2,3-Dimethylpentane	10.68	8.29	1.288	ok	1.288	1.228-1.348
2,4-Dimethylpentane	9.31	8.29	1.123	ok	1.123	1.063-1.183
Ethanol	4.81	8.29	0.580	ok	0.580	0.520-0.640
Ethylbenzene	16.72	16.12	1.037	ok	1.038	0.978-1.098
Ethyl Acetate	8.35	8.29	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	19.58	16.12	1.215	ok	1.215	1.155-1.275
Freon 113	6.32	8.29	0.762	ok	0.763	0.703-0.823
Freon 114	4.11	8.29	0.496	ok	0.496	0.436-0.556
Freon 123	5.13	8.29	0.619	ok	0.618	0.558-0.678
Freon 123A	5.18	8.29	0.625	ok	0.625	0.565-0.685
Heptane	11.72	10.52	1.114	ok	1.115	1.055-1.175
Hexachlorobutadiene	23.78	16.12	1.475	ok	1.476	1.416-1.536
Hexachloroethane	21.90	16.12	1.359	ok	1.359	1.299-1.419
Hexane	8.31	8.29	1.002	ok	1.003	0.943-1.063
2-Hexanone	14.07	10.52	1.337	ok	1.339	1.279-1.399
Iodomethane	5.89	8.29	0.710	ok	0.711	0.651-0.771
Isopropylbenzene	18.58	16.12	1.153	ok	1.153	1.093-1.213
Isopropyl Alcohol	5.45	8.29	0.657	ok	0.658	0.598-0.718
p-Isopropyltoluene	20.87	16.12	1.295	ok	1.295	1.235-1.355
Methylene chloride	6.08	8.29	0.733	ok	0.734	0.674-0.794
Methyl ethyl ketone	7.63	8.29	0.920	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	12.49	10.52	1.187	ok	1.189	1.129-1.249
Methyl Tert Butyl Ether	7.26	8.29	0.876	ok	0.878	0.818-0.938
Methylmethacrylate	11.63	10.52	1.106	ok	1.107	1.047-1.167
Naphthalene	23.33	16.12	1.447	ok	1.448	1.388-1.508
Nonane	18.04	16.12	1.119	ok	1.120	1.060-1.180
Octane	15.05	10.52	1.431	ok	1.432	1.372-1.492
Pentane	5.68	8.29	0.685	ok	0.686	0.626-0.746
n-Propylbenzene	19.36	16.12	1.201	ok	1.202	1.142-1.262
Propylene	3.83	8.29	0.462	ok	0.462	0.402-0.522
Styrene	17.52	16.12	1.087	ok	1.088	1.028-1.148
1,1,1-Trichloroethane	9.54	8.29	1.151	ok	1.151	1.091-1.211
1,1,1,2-Tetrachloroethane	16.15	10.52	1.535	ok	1.536	1.476-1.596
1,1,2,2-Tetrachloroethane	17.67	16.12	1.096	ok	1.097	1.037-1.157
1,1,2-Trichloroethane	13.34	10.52	1.268	ok	1.269	1.209-1.329

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W577-IC577	5W14423.D	11/05/15 12:41	TCH	0.04	GCMS5W	TO-15	
V5W577-IC577	5W14424.D	11/05/15 13:23	TCH	0.1	GCMS5W	TO-15	
V5W577-IC577	5W14425.D	11/05/15 14:04	TCH	0.2	GCMS5W	TO-15	
V5W577-IC577	5W14426.D	11/05/15 14:46	TCH	0.5	GCMS5W	TO-15	
V5W577-IC577	5W14427.D	11/05/15 15:29	TCH	5	GCMS5W	TO-15	
V5W577-ICC577	5W14428.D	11/05/15 16:11	TCH	10	GCMS5W	TO-15	
V5W577-IC577	5W14429.D	11/05/15 16:54	TCH	20	GCMS5W	TO-15	
V5W577-IC577	5W14430.D	11/05/15 17:38	TCH	30	GCMS5W	TO-15	
V5W577-IC577	5W14431.D	11/05/15 18:23	TCH	40	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trichlorobenzene	23.21	16.12	1.440	ok	1.441	1.381-1.501
1,2,3-Trichloropropane	17.87	16.12	1.109	ok	1.109	1.049-1.169
1,2,4-Trimethylbenzene	20.28	16.12	1.258	ok	1.259	1.199-1.319
1,3,5-Trimethylbenzene	19.70	16.12	1.222	ok	1.222	1.162-1.282
2,2,4-Trimethylpentane	11.37	10.52	1.081	ok	1.082	1.022-1.142
Tertiary Butyl Alcohol	6.00	8.29	0.724	ok	0.726	0.666-0.786
Tetrachloroethylene	15.22	10.52	1.447	ok	1.448	1.388-1.508
Tetrahydrofuran	8.87	8.29	1.070	ok	1.073	1.013-1.133
Toluene	13.70	10.52	1.302	ok	1.303	1.243-1.363
Trichloroethylene	11.36	10.52	1.080	ok	1.080	1.020-1.140
Trichlorofluoromethane	5.37	8.29	0.648	ok	0.648	0.588-0.708
Vinyl chloride	4.21	8.29	0.508	ok	0.508	0.448-0.568
Vinyl Acetate	7.37	8.29	0.889	ok	0.890	0.830-0.950
m,p-Xylene	17.00	16.12	1.055	ok	1.054	0.994-1.114
o-Xylene	17.67	16.12	1.096	ok	1.097	1.037-1.157
TVHC As Equiv Pentane	5.68	16.12	0.352	ok	0.352	0.292-0.412

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.29	ok	8.29	7.96-8.62	97268	ok	97579	58547-136611
1,4-Difluorobenzene	10.52	ok	10.51	10.18-10.84	349933	ok	357587	214552-500622
Chlorobenzene-D5	16.12	ok	16.11	15.78-16.44	208950	ok	190691	114415-266967

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.61	9.26	0.714	ok	0.715	0.655-0.775
Acrolein	6.51	9.26	0.703	ok	0.703	0.643-0.763
Acrylonitrile	7.00	9.26	0.756	ok	0.757	0.697-0.817
Acetonitrile	6.40	9.26	0.691	ok	0.692	0.632-0.752
1,3-Butadiene	5.72	9.26	0.618	ok	0.617	0.557-0.677
Benzene	10.69	10.98	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.11	15.25	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.63	10.98	1.059	ok	1.059	0.999-1.119
Bromoform	15.98	15.25	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.26	0.645	ok	0.644	0.584-0.704
Bromoethene	6.42	9.26	0.693	ok	0.693	0.633-0.753
n-Butane	5.77	9.26	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	18.40	15.25	1.207	ok	1.206	1.146-1.266
n-Butylbenzene	19.17	15.25	1.257	ok	1.257	1.197-1.317
sec-Butylbenzene	18.53	15.25	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.22	15.25	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.71	9.26	0.833	ok	0.832	0.772-0.892
Chlorobenzene	15.30	15.25	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.14	9.26	0.555	ok	0.555	0.495-0.615
Chloroethane	6.11	9.26	0.660	ok	0.660	0.600-0.720
Chloroform	9.36	9.26	1.011	ok	1.011	0.951-1.071
Chloromethane	5.40	9.26	0.583	ok	0.583	0.523-0.643
3-Chloropropene	7.50	9.26	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.52	15.25	1.149	ok	1.149	1.089-1.209
Carbon tetrachloride	10.83	9.26	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.95	10.98	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.38	9.26	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.30	9.26	0.788	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.14	15.25	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.03	9.26	1.083	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.45	10.98	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.69	10.98	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	5.24	9.26	0.566	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.18	9.26	0.667	ok	0.667	0.607-0.727
Dibromochloromethane	13.88	15.25	0.910	ok	0.910	0.850-0.970
Dibromomethane	11.43	10.98	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.20	9.26	0.886	ok	0.885	0.825-0.945
cis-1,2-Dichloroethylene	9.10	9.26	0.983	ok	0.983	0.923-1.043

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.47	10.98	1.136	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.42	15.25	1.208	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.87	15.25	1.237	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.49	15.25	1.212	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.97	10.98	1.181	ok	1.182	1.122-1.242
Di-Isopropyl ether	9.24	9.26	0.998	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.13	10.98	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.05	9.26	1.085	ok	1.086	1.026-1.146
Ethanol	6.20	9.26	0.670	ok	0.669	0.609-0.729
Ethylbenzene	15.67	15.25	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.26	9.26	1.000	ok	1.001	0.941-1.061
4-Ethyltoluene	17.70	15.25	1.161	ok	1.161	1.101-1.221
Freon 113	7.60	9.26	0.821	ok	0.821	0.761-0.881
Freon 114	5.48	9.26	0.592	ok	0.591	0.531-0.651
Freon 141B	6.85	9.26	0.740	ok	0.740	0.680-0.800
Freon 142B	5.37	9.26	0.580	ok	0.580	0.520-0.640
Freon 143a	4.98	9.26	0.538	ok	0.538	0.478-0.598
Freon 152A	5.09	9.26	0.550	ok	0.550	0.490-0.610
Heptane	11.89	10.98	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.28	15.25	1.395	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.25	1.287	ok	1.286	1.226-1.346
Hexane	9.26	9.26	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.68	15.25	0.897	ok	0.897	0.837-0.957
Iodomethane	7.26	9.26	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	16.99	15.25	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.80	9.26	0.734	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.70	15.25	1.226	ok	1.226	1.166-1.286
Methylene chloride	7.40	9.26	0.799	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.71	9.26	0.941	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.50	10.98	1.138	ok	1.140	1.080-1.200
Methyl Tert Butyl Ether	8.42	9.26	0.909	ok	0.910	0.850-0.970
Methylmethacrylate	11.81	10.98	1.076	ok	1.076	1.016-1.136
Naphthalene	20.91	15.25	1.371	ok	1.371	1.311-1.431
Nonane	16.55	15.25	1.085	ok	1.085	1.025-1.145
Octane	14.38	15.25	0.943	ok	0.943	0.883-1.003
Pentane	7.05	9.26	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.54	15.25	1.150	ok	1.150	1.090-1.210
Propylene	5.17	9.26	0.558	ok	0.558	0.498-0.618

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.26	15.25	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.27	9.26	1.109	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.27	15.25	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.37	15.25	1.073	ok	1.074	1.014-1.134
1,1,2-Trichloroethane	13.16	10.98	1.199	ok	1.199	1.139-1.259
1,2,4-Trichlorobenzene	21.19	15.25	1.390	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.51	15.25	1.083	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.25	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.66	10.98	1.062	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.32	9.26	0.790	ok	0.792	0.732-0.852
Tetrachloroethylene	14.59	15.25	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.75	9.26	1.053	ok	1.055	0.995-1.115
Toluene	13.44	10.98	1.224	ok	1.224	1.164-1.284
Trichloroethylene	11.66	10.98	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.76	9.26	0.730	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.26	0.605	ok	0.604	0.544-0.664
Vinyl Acetate	8.46	9.26	0.914	ok	0.915	0.855-0.975
m,p-Xylene	15.86	15.25	1.040	ok	1.040	0.980-1.100
o-Xylene	16.38	15.25	1.074	ok	1.074	1.014-1.134

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.26	ok	9.25	8.92-9.58	139923	ok	131715	79029-184401
1,4-Difluorobenzene	10.98	ok	10.98	10.65-11.31	685013	ok	594850	356910-832790
Chlorobenzene-D5	15.25	ok	15.25	14.92-15.58	317033	ok	272999	163799-382199

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.63	9.26	0.716	ok	0.715	0.655-0.775
Acrolein	6.52	9.26	0.704	ok	0.703	0.643-0.763
Acrylonitrile	7.01	9.26	0.757	ok	0.757	0.697-0.817
Acetonitrile	6.41	9.26	0.692	ok	0.692	0.632-0.752
1,3-Butadiene	5.73	9.26	0.619	ok	0.617	0.557-0.677
Benzene	10.69	10.98	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.12	15.25	1.123	ok	1.122	1.062-1.182
Bromodichloromethane	11.63	10.98	1.059	ok	1.059	0.999-1.119
Bromoform	15.98	15.25	1.048	ok	1.048	0.988-1.108
Bromomethane	5.98	9.26	0.646	ok	0.644	0.584-0.704
Bromoethene	6.43	9.26	0.694	ok	0.693	0.633-0.753
n-Butane	5.77	9.26	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	18.40	15.25	1.207	ok	1.206	1.146-1.266
n-Butylbenzene	19.17	15.25	1.257	ok	1.257	1.197-1.317
sec-Butylbenzene	18.53	15.25	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.71	9.26	0.833	ok	0.832	0.772-0.892
Chlorobenzene	15.30	15.25	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.15	9.26	0.556	ok	0.555	0.495-0.615
Chloroethane	6.12	9.26	0.661	ok	0.660	0.600-0.720
Chloroform	9.36	9.26	1.011	ok	1.011	0.951-1.071
Chloromethane	5.41	9.26	0.584	ok	0.583	0.523-0.643
3-Chloropropene	7.50	9.26	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.52	15.25	1.149	ok	1.149	1.089-1.209
Carbon tetrachloride	10.83	9.26	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.95	10.98	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.38	9.26	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.31	9.26	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.14	15.25	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.03	9.26	1.083	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.45	10.98	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.70	10.98	1.066	ok	1.065	1.005-1.125
Dichlorodifluoromethane	5.24	9.26	0.566	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.19	9.26	0.668	ok	0.667	0.607-0.727
Dibromochloromethane	13.88	15.25	0.910	ok	0.910	0.850-0.970
Dibromomethane	11.44	10.98	1.042	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.21	9.26	0.887	ok	0.885	0.825-0.945
cis-1,2-Dichloroethylene	9.11	9.26	0.984	ok	0.983	0.923-1.043

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.47	10.98	1.136	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.42	15.25	1.208	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.87	15.25	1.237	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.49	15.25	1.212	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.98	10.98	1.182	ok	1.182	1.122-1.242
Di-Isopropyl ether	9.25	9.26	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.13	10.98	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.05	9.26	1.085	ok	1.086	1.026-1.146
Ethanol	6.21	9.26	0.671	ok	0.669	0.609-0.729
Ethylbenzene	15.67	15.25	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.27	9.26	1.001	ok	1.001	0.941-1.061
4-Ethyltoluene	17.70	15.25	1.161	ok	1.161	1.101-1.221
Freon 113	7.61	9.26	0.822	ok	0.821	0.761-0.881
Freon 114	5.49	9.26	0.593	ok	0.591	0.531-0.651
Freon 141B	6.86	9.26	0.741	ok	0.740	0.680-0.800
Freon 142B	5.38	9.26	0.581	ok	0.580	0.520-0.640
Freon 143a	4.99	9.26	0.539	ok	0.538	0.478-0.598
Freon 152A	5.10	9.26	0.551	ok	0.550	0.490-0.610
Heptane	11.89	10.98	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.28	15.25	1.395	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.25	1.287	ok	1.286	1.226-1.346
Hexane	9.26	9.26	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.69	15.25	0.898	ok	0.897	0.837-0.957
Iodomethane	7.27	9.26	0.785	ok	0.784	0.724-0.844
Isopropylbenzene	16.99	15.25	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.81	9.26	0.735	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.70	15.25	1.226	ok	1.226	1.166-1.286
Methylene chloride	7.40	9.26	0.799	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.72	9.26	0.942	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.51	10.98	1.139	ok	1.140	1.080-1.200
Methyl Tert Butyl Ether	8.43	9.26	0.910	ok	0.910	0.850-0.970
Methylmethacrylate	11.81	10.98	1.076	ok	1.076	1.016-1.136
Naphthalene	20.91	15.25	1.371	ok	1.371	1.311-1.431
Nonane	16.55	15.25	1.085	ok	1.085	1.025-1.145
Octane	14.38	15.25	0.943	ok	0.943	0.883-1.003
Pentane	7.05	9.26	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.54	15.25	1.150	ok	1.150	1.090-1.210
Propylene	5.17	9.26	0.558	ok	0.558	0.498-0.618

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.26	15.25	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.27	9.26	1.109	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.28	15.25	1.002	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.37	15.25	1.073	ok	1.074	1.014-1.134
1,1,2-Trichloroethane	13.17	10.98	1.199	ok	1.199	1.139-1.259
1,2,4-Trichlorobenzene	21.19	15.25	1.390	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.51	15.25	1.083	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.25	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.67	10.98	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.33	9.26	0.792	ok	0.792	0.732-0.852
Tetrachloroethylene	14.59	15.25	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.77	9.26	1.055	ok	1.055	0.995-1.115
Toluene	13.44	10.98	1.224	ok	1.224	1.164-1.284
Trichloroethylene	11.66	10.98	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.77	9.26	0.731	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.26	0.605	ok	0.604	0.544-0.664
Vinyl Acetate	8.47	9.26	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.87	15.25	1.041	ok	1.040	0.980-1.100
o-Xylene	16.38	15.25	1.074	ok	1.074	1.014-1.134

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.26	ok	9.25	8.92-9.58	141763	ok	131715	79029-184401
1,4-Difluorobenzene	10.98	ok	10.98	10.65-11.31	630171	ok	594850	356910-832790
Chlorobenzene-D5	15.25	ok	15.25	14.92-15.58	278966	ok	272999	163799-382199

Initial Calibration Retention Time/Internal Standard Area Summary

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VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.64	9.26	0.717	ok	0.715	0.655-0.775
Acrolein	6.52	9.26	0.704	ok	0.703	0.643-0.763
Acrylonitrile	7.02	9.26	0.758	ok	0.757	0.697-0.817
Acetonitrile	6.41	9.26	0.692	ok	0.692	0.632-0.752
1,3-Butadiene	5.72	9.26	0.618	ok	0.617	0.557-0.677
Benzene	10.69	10.98	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.12	15.25	1.123	ok	1.122	1.062-1.182
Bromodichloromethane	11.63	10.98	1.059	ok	1.059	0.999-1.119
Bromoform	15.98	15.25	1.048	ok	1.048	0.988-1.108
Bromomethane	5.96	9.26	0.644	ok	0.644	0.584-0.704
Bromoethene	6.41	9.26	0.692	ok	0.693	0.633-0.753
n-Butane	5.77	9.26	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	18.40	15.25	1.207	ok	1.206	1.146-1.266
n-Butylbenzene	19.17	15.25	1.257	ok	1.257	1.197-1.317
sec-Butylbenzene	18.53	15.25	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.22	15.25	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.71	9.26	0.833	ok	0.832	0.772-0.892
Chlorobenzene	15.30	15.25	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.13	9.26	0.554	ok	0.555	0.495-0.615
Chloroethane	6.11	9.26	0.660	ok	0.660	0.600-0.720
Chloroform	9.36	9.26	1.011	ok	1.011	0.951-1.071
Chloromethane	5.40	9.26	0.583	ok	0.583	0.523-0.643
3-Chloropropene	7.50	9.26	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.52	15.25	1.149	ok	1.149	1.089-1.209
Carbon tetrachloride	10.83	9.26	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.94	10.98	0.996	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.38	9.26	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.30	9.26	0.788	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.14	15.25	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.03	9.26	1.083	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.45	10.98	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.73	10.98	1.068	ok	1.065	1.005-1.125
Dichlorodifluoromethane	5.24	9.26	0.566	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.18	9.26	0.667	ok	0.667	0.607-0.727
Dibromochloromethane	13.89	15.25	0.911	ok	0.910	0.850-0.970
Dibromomethane	11.43	10.98	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.19	9.26	0.884	ok	0.885	0.825-0.945
cis-1,2-Dichloroethylene	9.10	9.26	0.983	ok	0.983	0.923-1.043

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.47	10.98	1.136	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.42	15.25	1.208	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.88	15.25	1.238	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.49	15.25	1.212	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.97	10.98	1.181	ok	1.182	1.122-1.242
Di-Isopropyl ether	9.25	9.26	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.13	10.98	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.05	9.26	1.085	ok	1.086	1.026-1.146
Ethanol	6.22	9.26	0.672	ok	0.669	0.609-0.729
Ethylbenzene	15.67	15.25	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.29	9.26	1.003	ok	1.001	0.941-1.061
4-Ethyltoluene	17.70	15.25	1.161	ok	1.161	1.101-1.221
Freon 113	7.60	9.26	0.821	ok	0.821	0.761-0.881
Freon 114	5.48	9.26	0.592	ok	0.591	0.531-0.651
Freon 141B	6.86	9.26	0.741	ok	0.740	0.680-0.800
Freon 142B	5.37	9.26	0.580	ok	0.580	0.520-0.640
Freon 143a	4.98	9.26	0.538	ok	0.538	0.478-0.598
Freon 152A	5.10	9.26	0.551	ok	0.550	0.490-0.610
Heptane	11.89	10.98	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.28	15.25	1.395	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.25	1.287	ok	1.286	1.226-1.346
Hexane	9.26	9.26	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.71	15.25	0.899	ok	0.897	0.837-0.957
Iodomethane	7.26	9.26	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	16.99	15.25	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.83	9.26	0.738	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.70	15.25	1.226	ok	1.226	1.166-1.286
Methylene chloride	7.40	9.26	0.799	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.74	9.26	0.944	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.53	10.98	1.141	ok	1.140	1.080-1.200
Methyl Tert Butyl Ether	8.44	9.26	0.911	ok	0.910	0.850-0.970
Methylmethacrylate	11.82	10.98	1.077	ok	1.076	1.016-1.136
Naphthalene	20.92	15.25	1.372	ok	1.371	1.311-1.431
Nonane	16.55	15.25	1.085	ok	1.085	1.025-1.145
Octane	14.38	15.25	0.943	ok	0.943	0.883-1.003
Pentane	7.05	9.26	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.55	15.25	1.151	ok	1.150	1.090-1.210
Propylene	5.18	9.26	0.559	ok	0.558	0.498-0.618

Initial Calibration Retention Time/Internal Standard Area Summary

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Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.26	15.25	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.27	9.26	1.109	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.27	15.25	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.37	15.25	1.073	ok	1.074	1.014-1.134
1,1,2-Trichloroethane	13.16	10.98	1.199	ok	1.199	1.139-1.259
1,2,4-Trichlorobenzene	21.20	15.25	1.390	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.51	15.25	1.083	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.25	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.67	10.98	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.35	9.26	0.794	ok	0.792	0.732-0.852
Tetrachloroethylene	14.59	15.25	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.80	9.26	1.058	ok	1.055	0.995-1.115
Toluene	13.45	10.98	1.225	ok	1.224	1.164-1.284
Trichloroethylene	11.66	10.98	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.76	9.26	0.730	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.26	0.605	ok	0.604	0.544-0.664
Vinyl Acetate	8.48	9.26	0.916	ok	0.915	0.855-0.975
m,p-Xylene	15.86	15.25	1.040	ok	1.040	0.980-1.100
o-Xylene	16.38	15.25	1.074	ok	1.074	1.014-1.134

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.26	ok	9.25	8.92-9.58	131291	ok	131715	79029-184401
1,4-Difluorobenzene	10.98	ok	10.98	10.65-11.31	581270	ok	594850	356910-832790
Chlorobenzene-D5	15.25	ok	15.25	14.92-15.58	243694	ok	272999	163799-382199

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.63	9.24	0.718	ok	0.715	0.655-0.775
Acrolein	6.51	9.24	0.705	ok	0.703	0.643-0.763
Acrylonitrile	7.01	9.24	0.759	ok	0.757	0.697-0.817
Acetonitrile	6.41	9.24	0.694	ok	0.692	0.632-0.752
1,3-Butadiene	5.69	9.24	0.616	ok	0.617	0.557-0.677
Benzene	10.69	10.97	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.11	15.25	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.63	10.97	1.060	ok	1.059	0.999-1.119
Bromoform	15.98	15.25	1.048	ok	1.048	0.988-1.108
Bromomethane	5.95	9.24	0.644	ok	0.644	0.584-0.704
Bromoethene	6.41	9.24	0.694	ok	0.693	0.633-0.753
n-Butane	5.74	9.24	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	18.39	15.25	1.206	ok	1.206	1.146-1.266
n-Butylbenzene	19.17	15.25	1.257	ok	1.257	1.197-1.317
sec-Butylbenzene	18.53	15.25	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.69	9.24	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.30	15.25	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.12	9.24	0.554	ok	0.555	0.495-0.615
Chloroethane	6.09	9.24	0.659	ok	0.660	0.600-0.720
Chloroform	9.35	9.24	1.012	ok	1.011	0.951-1.071
Chloromethane	5.38	9.24	0.582	ok	0.583	0.523-0.643
3-Chloropropene	7.49	9.24	0.811	ok	0.810	0.750-0.870
2-Chlorotoluene	17.53	15.25	1.150	ok	1.149	1.089-1.209
Carbon tetrachloride	10.82	9.24	1.171	ok	1.170	1.110-1.230
Cyclohexane	10.94	10.97	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.36	9.24	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.28	9.24	0.788	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.14	15.25	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.02	9.24	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.44	10.97	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.71	10.97	1.067	ok	1.065	1.005-1.125
Dichlorodifluoromethane	5.22	9.24	0.565	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.16	9.24	0.667	ok	0.667	0.607-0.727
Dibromochloromethane	13.88	15.25	0.910	ok	0.910	0.850-0.970
Dibromomethane	11.42	10.97	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.19	9.24	0.886	ok	0.885	0.825-0.945
cis-1,2-Dichloroethylene	9.10	9.24	0.985	ok	0.983	0.923-1.043

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.47	10.97	1.137	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.42	15.25	1.208	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.87	15.25	1.237	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.49	15.25	1.212	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.98	10.97	1.183	ok	1.182	1.122-1.242
Di-Isopropyl ether	9.25	9.24	1.001	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.12	10.97	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.04	9.24	1.087	ok	1.086	1.026-1.146
Ethanol	6.18	9.24	0.669	ok	0.669	0.609-0.729
Ethylbenzene	15.67	15.25	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.28	9.24	1.004	ok	1.001	0.941-1.061
4-Ethyltoluene	17.70	15.25	1.161	ok	1.161	1.101-1.221
Freon 113	7.59	9.24	0.821	ok	0.821	0.761-0.881
Freon 114	5.46	9.24	0.591	ok	0.591	0.531-0.651
Freon 141B	6.83	9.24	0.739	ok	0.740	0.680-0.800
Freon 142B	5.35	9.24	0.579	ok	0.580	0.520-0.640
Freon 143a	4.96	9.24	0.537	ok	0.538	0.478-0.598
Freon 152A	5.07	9.24	0.549	ok	0.550	0.490-0.610
Heptane	11.89	10.97	1.084	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.28	15.25	1.395	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.25	1.287	ok	1.286	1.226-1.346
Hexane	9.24	9.24	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.70	15.25	0.898	ok	0.897	0.837-0.957
Iodomethane	7.25	9.24	0.785	ok	0.784	0.724-0.844
Isopropylbenzene	16.99	15.25	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.82	9.24	0.738	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.70	15.25	1.226	ok	1.226	1.166-1.286
Methylene chloride	7.38	9.24	0.799	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.74	9.24	0.946	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.52	10.97	1.141	ok	1.140	1.080-1.200
Methyl Tert Butyl Ether	8.43	9.24	0.912	ok	0.910	0.850-0.970
Methylmethacrylate	11.82	10.97	1.077	ok	1.076	1.016-1.136
Naphthalene	20.92	15.25	1.372	ok	1.371	1.311-1.431
Nonane	16.55	15.25	1.085	ok	1.085	1.025-1.145
Octane	14.38	15.25	0.943	ok	0.943	0.883-1.003
Pentane	7.03	9.24	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.55	15.25	1.151	ok	1.150	1.090-1.210
Propylene	5.15	9.24	0.557	ok	0.558	0.498-0.618

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.26	15.25	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.26	9.24	1.110	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.28	15.25	1.002	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.37	15.25	1.073	ok	1.074	1.014-1.134
1,1,2-Trichloroethane	13.17	10.97	1.201	ok	1.199	1.139-1.259
1,2,4-Trichlorobenzene	21.20	15.25	1.390	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.51	15.25	1.083	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.25	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.66	10.97	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.33	9.24	0.793	ok	0.792	0.732-0.852
Tetrachloroethylene	14.58	15.25	0.956	ok	0.957	0.897-1.017
Tetrahydrofuran	9.79	9.24	1.060	ok	1.055	0.995-1.115
Toluene	13.43	10.97	1.224	ok	1.224	1.164-1.284
Trichloroethylene	11.66	10.97	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.75	9.24	0.731	ok	0.730	0.670-0.790
Vinyl chloride	5.58	9.24	0.604	ok	0.604	0.544-0.664
Vinyl Acetate	8.47	9.24	0.917	ok	0.915	0.855-0.975
m,p-Xylene	15.86	15.25	1.040	ok	1.040	0.980-1.100
o-Xylene	16.37	15.25	1.073	ok	1.074	1.014-1.134

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.24	ok	9.25	8.92-9.58	150097	ok	131715	79029-184401
1,4-Difluorobenzene	10.97	ok	10.98	10.65-11.31	574211	ok	594850	356910-832790
Chlorobenzene-D5	15.25	ok	15.25	14.92-15.58	211741	ok	272999	163799-382199

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.61	9.25	0.715	ok	0.715	0.655-0.775
Acrolein	6.50	9.25	0.703	ok	0.703	0.643-0.763
Acrylonitrile	7.00	9.25	0.757	ok	0.757	0.697-0.817
Acetonitrile	6.39	9.25	0.691	ok	0.692	0.632-0.752
1,3-Butadiene	5.72	9.25	0.618	ok	0.617	0.557-0.677
Benzene	10.69	10.98	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.12	15.25	1.123	ok	1.122	1.062-1.182
Bromodichloromethane	11.63	10.98	1.059	ok	1.059	0.999-1.119
Bromoform	15.98	15.25	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.25	0.645	ok	0.644	0.584-0.704
Bromoethene	6.41	9.25	0.693	ok	0.693	0.633-0.753
n-Butane	5.77	9.25	0.624	ok	0.622	0.562-0.682
Benzyl Chloride	18.40	15.25	1.207	ok	1.206	1.146-1.266
n-Butylbenzene	19.17	15.25	1.257	ok	1.257	1.197-1.317
sec-Butylbenzene	18.53	15.25	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.70	9.25	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.30	15.25	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.14	9.25	0.556	ok	0.555	0.495-0.615
Chloroethane	6.11	9.25	0.661	ok	0.660	0.600-0.720
Chloroform	9.36	9.25	1.012	ok	1.011	0.951-1.071
Chloromethane	5.40	9.25	0.584	ok	0.583	0.523-0.643
3-Chloropropene	7.50	9.25	0.811	ok	0.810	0.750-0.870
2-Chlorotoluene	17.52	15.25	1.149	ok	1.149	1.089-1.209
Carbon tetrachloride	10.83	9.25	1.171	ok	1.170	1.110-1.230
Cyclohexane	10.94	10.98	0.996	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.38	9.25	0.906	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.30	9.25	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.14	15.25	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.03	9.25	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.44	10.98	1.042	ok	1.043	0.983-1.103
1,4-Dioxane	11.68	10.98	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	5.24	9.25	0.566	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.18	9.25	0.668	ok	0.667	0.607-0.727
Dibromochloromethane	13.89	15.25	0.911	ok	0.910	0.850-0.970
Dibromomethane	11.43	10.98	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.19	9.25	0.885	ok	0.885	0.825-0.945
cis-1,2-Dichloroethylene	9.10	9.25	0.984	ok	0.983	0.923-1.043

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.47	10.98	1.136	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.42	15.25	1.208	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.87	15.25	1.237	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.49	15.25	1.212	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.98	10.98	1.182	ok	1.182	1.122-1.242
Di-Isopropyl ether	9.24	9.25	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.13	10.98	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.05	9.25	1.086	ok	1.086	1.026-1.146
Ethanol	6.19	9.25	0.669	ok	0.669	0.609-0.729
Ethylbenzene	15.67	15.25	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.26	9.25	1.001	ok	1.001	0.941-1.061
4-Ethyltoluene	17.70	15.25	1.161	ok	1.161	1.101-1.221
Freon 113	7.60	9.25	0.822	ok	0.821	0.761-0.881
Freon 114	5.48	9.25	0.592	ok	0.591	0.531-0.651
Freon 141B	6.85	9.25	0.741	ok	0.740	0.680-0.800
Freon 142B	5.37	9.25	0.581	ok	0.580	0.520-0.640
Freon 143a	4.98	9.25	0.538	ok	0.538	0.478-0.598
Freon 152A	5.09	9.25	0.550	ok	0.550	0.490-0.610
Heptane	11.89	10.98	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.28	15.25	1.395	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.25	1.287	ok	1.286	1.226-1.346
Hexane	9.26	9.25	1.001	ok	1.000	0.940-1.060
2-Hexanone	13.68	15.25	0.897	ok	0.897	0.837-0.957
Iodomethane	7.26	9.25	0.785	ok	0.784	0.724-0.844
Isopropylbenzene	16.99	15.25	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.80	9.25	0.735	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.70	15.25	1.226	ok	1.226	1.166-1.286
Methylene chloride	7.39	9.25	0.799	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.71	9.25	0.942	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.50	10.98	1.138	ok	1.140	1.080-1.200
Methyl Tert Butyl Ether	8.41	9.25	0.909	ok	0.910	0.850-0.970
Methylmethacrylate	11.81	10.98	1.076	ok	1.076	1.016-1.136
Naphthalene	20.91	15.25	1.371	ok	1.371	1.311-1.431
Nonane	16.55	15.25	1.085	ok	1.085	1.025-1.145
Octane	14.38	15.25	0.943	ok	0.943	0.883-1.003
Pentane	7.05	9.25	0.762	ok	0.761	0.701-0.821
n-Propylbenzene	17.54	15.25	1.150	ok	1.150	1.090-1.210
Propylene	5.17	9.25	0.559	ok	0.558	0.498-0.618

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VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.26	15.25	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.27	9.25	1.110	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.27	15.25	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.37	15.25	1.073	ok	1.074	1.014-1.134
1,1,2-Trichloroethane	13.17	10.98	1.199	ok	1.199	1.139-1.259
1,2,4-Trichlorobenzene	21.19	15.25	1.390	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.51	15.25	1.083	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.25	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.67	10.98	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.32	9.25	0.791	ok	0.792	0.732-0.852
Tetrachloroethylene	14.59	15.25	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.75	9.25	1.054	ok	1.055	0.995-1.115
Toluene	13.44	10.98	1.224	ok	1.224	1.164-1.284
Trichloroethylene	11.66	10.98	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.76	9.25	0.731	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.25	0.605	ok	0.604	0.544-0.664
Vinyl Acetate	8.46	9.25	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.86	15.25	1.040	ok	1.040	0.980-1.100
o-Xylene	16.37	15.25	1.073	ok	1.074	1.014-1.134

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.25	ok	9.25	8.92-9.58	117565	ok	131715	79029-184401
1,4-Difluorobenzene	10.98	ok	10.98	10.65-11.31	578562	ok	594850	356910-832790
Chlorobenzene-D5	15.25	ok	15.25	14.92-15.58	297106	ok	272999	163799-382199

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VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.60	9.25	0.714	ok	0.715	0.655-0.775
Acrolein	6.49	9.25	0.702	ok	0.703	0.643-0.763
Acrylonitrile	6.98	9.25	0.755	ok	0.757	0.697-0.817
Acetonitrile	6.38	9.25	0.690	ok	0.692	0.632-0.752
1,3-Butadiene	5.69	9.25	0.615	ok	0.617	0.557-0.677
Benzene	10.69	10.97	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.11	15.25	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.63	10.97	1.060	ok	1.059	0.999-1.119
Bromoform	15.98	15.25	1.048	ok	1.048	0.988-1.108
Bromomethane	5.94	9.25	0.642	ok	0.644	0.584-0.704
Bromoethene	6.40	9.25	0.692	ok	0.693	0.633-0.753
n-Butane	5.74	9.25	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	18.39	15.25	1.206	ok	1.206	1.146-1.266
n-Butylbenzene	19.17	15.25	1.257	ok	1.257	1.197-1.317
sec-Butylbenzene	18.53	15.25	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.22	15.25	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.69	9.25	0.831	ok	0.832	0.772-0.892
Chlorobenzene	15.30	15.25	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.11	9.25	0.552	ok	0.555	0.495-0.615
Chloroethane	6.09	9.25	0.658	ok	0.660	0.600-0.720
Chloroform	9.35	9.25	1.011	ok	1.011	0.951-1.071
Chloromethane	5.38	9.25	0.582	ok	0.583	0.523-0.643
3-Chloropropene	7.48	9.25	0.809	ok	0.810	0.750-0.870
2-Chlorotoluene	17.51	15.25	1.148	ok	1.149	1.089-1.209
Carbon tetrachloride	10.82	9.25	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.94	10.97	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.36	9.25	0.904	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.29	9.25	0.788	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.13	15.25	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.02	9.25	1.083	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.44	10.97	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.67	10.97	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	5.22	9.25	0.564	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.15	9.25	0.665	ok	0.667	0.607-0.727
Dibromochloromethane	13.88	15.25	0.910	ok	0.910	0.850-0.970
Dibromomethane	11.42	10.97	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.18	9.25	0.884	ok	0.885	0.825-0.945
cis-1,2-Dichloroethylene	9.09	9.25	0.983	ok	0.983	0.923-1.043

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VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.47	10.97	1.137	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.42	15.25	1.208	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.87	15.25	1.237	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.49	15.25	1.212	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.97	10.97	1.182	ok	1.182	1.122-1.242
Di-Isopropyl ether	9.23	9.25	0.998	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.12	10.97	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.04	9.25	1.085	ok	1.086	1.026-1.146
Ethanol	6.17	9.25	0.667	ok	0.669	0.609-0.729
Ethylbenzene	15.67	15.25	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.25	9.25	1.000	ok	1.001	0.941-1.061
4-Ethyltoluene	17.70	15.25	1.161	ok	1.161	1.101-1.221
Freon 113	7.58	9.25	0.819	ok	0.821	0.761-0.881
Freon 114	5.46	9.25	0.590	ok	0.591	0.531-0.651
Freon 141B	6.83	9.25	0.738	ok	0.740	0.680-0.800
Freon 142B	5.35	9.25	0.578	ok	0.580	0.520-0.640
Freon 143a	4.96	9.25	0.536	ok	0.538	0.478-0.598
Freon 152A	5.07	9.25	0.548	ok	0.550	0.490-0.610
Heptane	11.89	10.97	1.084	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.28	15.25	1.395	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.25	1.287	ok	1.286	1.226-1.346
Hexane	9.25	9.25	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.67	15.25	0.896	ok	0.897	0.837-0.957
Iodomethane	7.24	9.25	0.783	ok	0.784	0.724-0.844
Isopropylbenzene	16.99	15.25	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.78	9.25	0.733	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.70	15.25	1.226	ok	1.226	1.166-1.286
Methylene chloride	7.38	9.25	0.798	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.71	9.25	0.942	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.49	10.97	1.139	ok	1.140	1.080-1.200
Methyl Tert Butyl Ether	8.40	9.25	0.908	ok	0.910	0.850-0.970
Methylmethacrylate	11.80	10.97	1.076	ok	1.076	1.016-1.136
Naphthalene	20.91	15.25	1.371	ok	1.371	1.311-1.431
Nonane	16.55	15.25	1.085	ok	1.085	1.025-1.145
Octane	14.38	15.25	0.943	ok	0.943	0.883-1.003
Pentane	7.03	9.25	0.760	ok	0.761	0.701-0.821
n-Propylbenzene	17.54	15.25	1.150	ok	1.150	1.090-1.210
Propylene	5.15	9.25	0.557	ok	0.558	0.498-0.618

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VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.25	15.25	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.26	9.25	1.109	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.27	15.25	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.37	15.25	1.073	ok	1.074	1.014-1.134
1,1,2-Trichloroethane	13.16	10.97	1.200	ok	1.199	1.139-1.259
1,2,4-Trichlorobenzene	21.19	15.25	1.390	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.51	15.25	1.083	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.25	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.66	10.97	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.30	9.25	0.789	ok	0.792	0.732-0.852
Tetrachloroethylene	14.59	15.25	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.74	9.25	1.053	ok	1.055	0.995-1.115
Toluene	13.44	10.97	1.225	ok	1.224	1.164-1.284
Trichloroethylene	11.66	10.97	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.74	9.25	0.729	ok	0.730	0.670-0.790
Vinyl chloride	5.58	9.25	0.603	ok	0.604	0.544-0.664
Vinyl Acetate	8.45	9.25	0.914	ok	0.915	0.855-0.975
m,p-Xylene	15.86	15.25	1.040	ok	1.040	0.980-1.100
o-Xylene	16.37	15.25	1.073	ok	1.074	1.014-1.134

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.25	ok	9.25	8.92-9.58	150067	ok	131715	79029-184401
1,4-Difluorobenzene	10.97	ok	10.98	10.65-11.31	671762	ok	594850	356910-832790
Chlorobenzene-D5	15.25	ok	15.25	14.92-15.58	314027	ok	272999	163799-382199

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Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.63	9.25	0.717	ok	0.715	0.655-0.775
Acrolein	6.51	9.25	0.704	ok	0.703	0.643-0.763
Acrylonitrile	7.02	9.25	0.759	ok	0.757	0.697-0.817
1,3-Butadiene	5.69	9.25	0.615	ok	0.617	0.557-0.677
Benzene	10.68	10.97	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.12	15.25	1.123	ok	1.122	1.062-1.182
Bromodichloromethane	11.63	10.97	1.060	ok	1.059	0.999-1.119
Bromoform	15.98	15.25	1.048	ok	1.048	0.988-1.108
Bromomethane	5.95	9.25	0.643	ok	0.644	0.584-0.704
Bromoethene	6.41	9.25	0.693	ok	0.693	0.633-0.753
n-Butane	5.75	9.25	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	18.40	15.25	1.207	ok	1.206	1.146-1.266
Chlorobenzene	15.29	15.25	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.13	9.25	0.555	ok	0.555	0.495-0.615
Chloroethane	6.10	9.25	0.659	ok	0.660	0.600-0.720
Chloroform	9.35	9.25	1.011	ok	1.011	0.951-1.071
Chloromethane	5.38	9.25	0.582	ok	0.583	0.523-0.643
3-Chloropropene	7.49	9.25	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.52	15.25	1.149	ok	1.149	1.089-1.209
Carbon tetrachloride	10.82	9.25	1.170	ok	1.170	1.110-1.230
1,1-Dichloroethane	8.36	9.25	0.904	ok	0.905	0.845-0.965
1,2-Dibromoethane	14.13	15.25	0.927	ok	0.927	0.867-0.987
1,2-Dichloropropane	11.44	10.97	1.043	ok	1.043	0.983-1.103
Dichlorodifluoromethane	5.22	9.25	0.564	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.16	9.25	0.666	ok	0.667	0.607-0.727
Dibromochloromethane	13.88	15.25	0.910	ok	0.910	0.850-0.970
Dibromomethane	11.43	10.97	1.042	ok	1.041	0.981-1.101
cis-1,3-Dichloropropene	12.47	10.97	1.137	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.43	15.25	1.209	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.87	15.25	1.237	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.49	15.25	1.212	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.99	10.97	1.184	ok	1.182	1.122-1.242
2,3-Dimethylpentane	11.11	10.97	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.04	9.25	1.085	ok	1.086	1.026-1.146
Ethylbenzene	15.67	15.25	1.028	ok	1.028	0.968-1.088
4-Ethyltoluene	17.71	15.25	1.161	ok	1.161	1.101-1.221
Freon 113	7.59	9.25	0.821	ok	0.821	0.761-0.881
Freon 114	5.46	9.25	0.590	ok	0.591	0.531-0.651

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 141B	6.83	9.25	0.738	ok	0.740	0.680-0.800
Freon 142B	5.35	9.25	0.578	ok	0.580	0.520-0.640
Freon 143a	4.97	9.25	0.537	ok	0.538	0.478-0.598
Freon 152A	5.08	9.25	0.549	ok	0.550	0.490-0.610
Heptane	11.89	10.97	1.084	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.29	15.25	1.396	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.25	1.287	ok	1.286	1.226-1.346
Hexane	9.25	9.25	1.000	ok	1.000	0.940-1.060
Iodomethane	7.24	9.25	0.783	ok	0.784	0.724-0.844
Isopropylbenzene	17.00	15.25	1.115	ok	1.114	1.054-1.174
p-Isopropyltoluene	18.71	15.25	1.227	ok	1.226	1.166-1.286
Methylene chloride	7.39	9.25	0.799	ok	0.799	0.739-0.859
Methyl Isobutyl Ketone	12.53	10.97	1.142	ok	1.140	1.080-1.200
Methyl Tert Butyl Ether	8.44	9.25	0.912	ok	0.910	0.850-0.970
Naphthalene	20.92	15.25	1.372	ok	1.371	1.311-1.431
Octane	14.38	15.25	0.943	ok	0.943	0.883-1.003
Pentane	7.04	9.25	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.55	15.25	1.151	ok	1.150	1.090-1.210
Styrene	16.27	15.25	1.067	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.26	9.25	1.109	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.27	15.25	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.37	15.25	1.073	ok	1.074	1.014-1.134
1,1,2-Trichloroethane	13.16	10.97	1.200	ok	1.199	1.139-1.259
1,2,4-Trichlorobenzene	21.20	15.25	1.390	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.50	15.25	1.082	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.25	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.66	10.97	1.063	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.34	9.25	0.794	ok	0.792	0.732-0.852
Tetrachloroethylene	14.59	15.25	0.957	ok	0.957	0.897-1.017
Toluene	13.44	10.97	1.225	ok	1.224	1.164-1.284
Trichloroethylene	11.66	10.97	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.74	9.25	0.729	ok	0.730	0.670-0.790
Vinyl chloride	5.58	9.25	0.603	ok	0.604	0.544-0.664
m,p-Xylene	15.88	15.25	1.041	ok	1.040	0.980-1.100
o-Xylene	16.38	15.25	1.074	ok	1.074	1.014-1.134

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.25	ok	9.25	8.92-9.58	132866	ok	131715	79029-184401
1,4-Difluorobenzene	10.97	ok	10.98	10.65-11.31	554639	ok	594850	356910-832790
Chlorobenzene-D5	15.25	ok	15.25	14.92-15.58	229721	ok	272999	163799-382199

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetonitrile	6.41	9.25	0.693	ok	0.692	0.632-0.752
1,3-Butadiene	5.72	9.25	0.618	ok	0.617	0.557-0.677
Benzene	10.69	10.98	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.12	15.25	1.123	ok	1.122	1.062-1.182
Bromodichloromethane	11.63	10.98	1.059	ok	1.059	0.999-1.119
Bromoform	15.98	15.25	1.048	ok	1.048	0.988-1.108
Bromomethane	5.96	9.25	0.644	ok	0.644	0.584-0.704
Bromoethene	6.41	9.25	0.693	ok	0.693	0.633-0.753
Benzyl Chloride	18.41	15.25	1.207	ok	1.206	1.146-1.266
Chlorobenzene	15.30	15.25	1.003	ok	1.003	0.943-1.063
Chloroform	9.37	9.25	1.013	ok	1.011	0.951-1.071
2-Chlorotoluene	17.51	15.25	1.148	ok	1.149	1.089-1.209
Carbon tetrachloride	10.83	9.25	1.171	ok	1.170	1.110-1.230
1,1-Dichloroethane	8.38	9.25	0.906	ok	0.905	0.845-0.965
1,2-Dibromoethane	14.14	15.25	0.927	ok	0.927	0.867-0.987
1,2-Dichloropropane	11.46	10.98	1.044	ok	1.043	0.983-1.103
Dichlorodifluoromethane	5.24	9.25	0.566	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.18	9.25	0.668	ok	0.667	0.607-0.727
Dibromochloromethane	13.88	15.25	0.910	ok	0.910	0.850-0.970
Dibromomethane	11.42	10.98	1.040	ok	1.041	0.981-1.101
cis-1,3-Dichloropropene	12.48	10.98	1.137	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.42	15.25	1.208	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.89	15.25	1.239	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.50	15.25	1.213	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.99	10.98	1.183	ok	1.182	1.122-1.242
2,3-Dimethylpentane	11.13	10.98	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.05	9.25	1.086	ok	1.086	1.026-1.146
Ethylbenzene	15.67	15.25	1.028	ok	1.028	0.968-1.088
4-Ethyltoluene	17.70	15.25	1.161	ok	1.161	1.101-1.221
Freon 113	7.60	9.25	0.822	ok	0.821	0.761-0.881
Freon 114	5.47	9.25	0.591	ok	0.591	0.531-0.651
Freon 141B	6.85	9.25	0.741	ok	0.740	0.680-0.800
Freon 142B	5.37	9.25	0.581	ok	0.580	0.520-0.640
Freon 143a	4.99	9.25	0.539	ok	0.538	0.478-0.598
Freon 152A	5.08	9.25	0.549	ok	0.550	0.490-0.610
Heptane	11.89	10.98	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.28	15.25	1.395	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.25	1.287	ok	1.286	1.226-1.346

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Hexane	9.26	9.25	1.001	ok	1.000	0.940-1.060
Iodomethane	7.27	9.25	0.786	ok	0.784	0.724-0.844
Isopropylbenzene	16.98	15.25	1.113	ok	1.114	1.054-1.174
Methylene chloride	7.38	9.25	0.798	ok	0.799	0.739-0.859
Methyl Tert Butyl Ether	8.45	9.25	0.914	ok	0.910	0.850-0.970
Naphthalene	20.92	15.25	1.372	ok	1.371	1.311-1.431
Nonane	16.56	15.25	1.086	ok	1.085	1.025-1.145
Octane	14.38	15.25	0.943	ok	0.943	0.883-1.003
1,1,1-Trichloroethane	10.26	9.25	1.109	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.27	15.25	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.38	15.25	1.074	ok	1.074	1.014-1.134
1,2,4-Trichlorobenzene	21.20	15.25	1.390	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.52	15.25	1.083	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.24	15.25	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.25	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.66	10.98	1.062	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.37	9.25	0.797	ok	0.792	0.732-0.852
Tetrachloroethylene	14.59	15.25	0.957	ok	0.957	0.897-1.017
Toluene	13.45	10.98	1.225	ok	1.224	1.164-1.284
Trichloroethylene	11.67	10.98	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.76	9.25	0.731	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.25	0.605	ok	0.604	0.544-0.664
m,p-Xylene	15.87	15.25	1.041	ok	1.040	0.980-1.100
o-Xylene	16.38	15.25	1.074	ok	1.074	1.014-1.134

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.25	ok	9.25	8.92-9.58	122977	ok	131715	79029-184401
1,4-Difluorobenzene	10.98	ok	10.98	10.65-11.31	527870	ok	594850	356910-832790
Chlorobenzene-D5	15.25	ok	15.25	14.92-15.58	217311	ok	272999	163799-382199

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.61	9.25	0.715	ok	0.715	0.655-0.775
Acrolein	6.50	9.25	0.703	ok	0.703	0.643-0.763
Acrylonitrile	6.99	9.25	0.756	ok	0.757	0.697-0.817
Acetonitrile	6.39	9.25	0.691	ok	0.692	0.632-0.752
1,3-Butadiene	5.71	9.25	0.617	ok	0.617	0.557-0.677
Benzene	10.69	10.98	0.974	ok	0.974	0.914-1.034
Bromobenzene	17.12	15.25	1.123	ok	1.122	1.062-1.182
Bromodichloromethane	11.63	10.98	1.059	ok	1.059	0.999-1.119
Bromoform	15.99	15.25	1.049	ok	1.048	0.988-1.108
Bromomethane	5.96	9.25	0.644	ok	0.644	0.584-0.704
Bromoethene	6.41	9.25	0.693	ok	0.693	0.633-0.753
n-Butane	5.76	9.25	0.623	ok	0.622	0.562-0.682
Benzyl Chloride	18.40	15.25	1.207	ok	1.206	1.146-1.266
n-Butylbenzene	19.17	15.25	1.257	ok	1.257	1.197-1.317
sec-Butylbenzene	18.53	15.25	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.69	9.25	0.831	ok	0.832	0.772-0.892
Chlorobenzene	15.30	15.25	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.13	9.25	0.555	ok	0.555	0.495-0.615
Chloroethane	6.10	9.25	0.659	ok	0.660	0.600-0.720
Chloroform	9.36	9.25	1.012	ok	1.011	0.951-1.071
Chloromethane	5.38	9.25	0.582	ok	0.583	0.523-0.643
3-Chloropropene	7.49	9.25	0.810	ok	0.810	0.750-0.870
2-Chlorotoluene	17.52	15.25	1.149	ok	1.149	1.089-1.209
Carbon tetrachloride	10.83	9.25	1.171	ok	1.170	1.110-1.230
Cyclohexane	10.94	10.98	0.996	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.37	9.25	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.30	9.25	0.789	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.14	15.25	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.03	9.25	1.084	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.45	10.98	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.67	10.98	1.063	ok	1.065	1.005-1.125
Dichlorodifluoromethane	5.23	9.25	0.565	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.17	9.25	0.667	ok	0.667	0.607-0.727
Dibromochloromethane	13.89	15.25	0.911	ok	0.910	0.850-0.970
Dibromomethane	11.43	10.98	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.19	9.25	0.885	ok	0.885	0.825-0.945
cis-1,2-Dichloroethylene	9.10	9.25	0.984	ok	0.983	0.923-1.043

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.47	10.98	1.136	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.42	15.25	1.208	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.87	15.25	1.237	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.50	15.25	1.213	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.98	10.98	1.182	ok	1.182	1.122-1.242
Di-Isopropyl ether	9.24	9.25	0.999	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.13	10.98	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.05	9.25	1.086	ok	1.086	1.026-1.146
Ethanol	6.19	9.25	0.669	ok	0.669	0.609-0.729
Ethylbenzene	15.67	15.25	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.26	9.25	1.001	ok	1.001	0.941-1.061
4-Ethyltoluene	17.70	15.25	1.161	ok	1.161	1.101-1.221
Freon 113	7.60	9.25	0.822	ok	0.821	0.761-0.881
Freon 114	5.47	9.25	0.591	ok	0.591	0.531-0.651
Freon 141B	6.85	9.25	0.741	ok	0.740	0.680-0.800
Freon 142B	5.36	9.25	0.579	ok	0.580	0.520-0.640
Freon 143a	4.97	9.25	0.537	ok	0.538	0.478-0.598
Freon 152A	5.08	9.25	0.549	ok	0.550	0.490-0.610
Heptane	11.89	10.98	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.28	15.25	1.395	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.25	1.287	ok	1.286	1.226-1.346
Hexane	9.25	9.25	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.68	15.25	0.897	ok	0.897	0.837-0.957
Iodomethane	7.25	9.25	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	16.99	15.25	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.79	9.25	0.734	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.70	15.25	1.226	ok	1.226	1.166-1.286
Methylene chloride	7.39	9.25	0.799	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.71	9.25	0.942	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.50	10.98	1.138	ok	1.140	1.080-1.200
Methyl Tert Butyl Ether	8.41	9.25	0.909	ok	0.910	0.850-0.970
Methylmethacrylate	11.81	10.98	1.076	ok	1.076	1.016-1.136
Naphthalene	20.91	15.25	1.371	ok	1.371	1.311-1.431
Nonane	16.55	15.25	1.085	ok	1.085	1.025-1.145
Octane	14.38	15.25	0.943	ok	0.943	0.883-1.003
Pentane	7.04	9.25	0.761	ok	0.761	0.701-0.821
n-Propylbenzene	17.54	15.25	1.150	ok	1.150	1.090-1.210
Propylene	5.16	9.25	0.558	ok	0.558	0.498-0.618

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	Reporting this level
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.26	15.25	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.26	9.25	1.109	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.27	15.25	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.38	15.25	1.074	ok	1.074	1.014-1.134
1,1,2-Trichloroethane	13.17	10.98	1.199	ok	1.199	1.139-1.259
1,2,4-Trichlorobenzene	21.19	15.25	1.390	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.52	15.25	1.083	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.23	15.25	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.25	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.66	10.98	1.062	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.31	9.25	0.790	ok	0.792	0.732-0.852
Tetrachloroethylene	14.59	15.25	0.957	ok	0.957	0.897-1.017
Tetrahydrofuran	9.75	9.25	1.054	ok	1.055	0.995-1.115
Toluene	13.44	10.98	1.224	ok	1.224	1.164-1.284
Trichloroethylene	11.66	10.98	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.75	9.25	0.730	ok	0.730	0.670-0.790
Vinyl chloride	5.59	9.25	0.604	ok	0.604	0.544-0.664
Vinyl Acetate	8.46	9.25	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.87	15.25	1.041	ok	1.040	0.980-1.100
o-Xylene	16.38	15.25	1.074	ok	1.074	1.014-1.134

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.25	ok	9.25	8.92-9.58	120502	ok	131715	79029-184401
1,4-Difluorobenzene	10.98	ok	10.98	10.65-11.31	581051	ok	594850	356910-832790
Chlorobenzene-D5	15.25	ok	15.25	14.92-15.58	310119	ok	272999	163799-382199

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.61	9.26	0.714	ok	0.715	0.655-0.775
Acrolein	6.50	9.26	0.702	ok	0.703	0.643-0.763
Acrylonitrile	7.00	9.26	0.756	ok	0.757	0.697-0.817
Acetonitrile	6.39	9.26	0.690	ok	0.692	0.632-0.752
1,3-Butadiene	5.72	9.26	0.618	ok	0.617	0.557-0.677
Benzene	10.69	10.99	0.973	ok	0.974	0.914-1.034
Bromobenzene	17.12	15.26	1.122	ok	1.122	1.062-1.182
Bromodichloromethane	11.64	10.99	1.059	ok	1.059	0.999-1.119
Bromoform	16.00	15.26	1.048	ok	1.048	0.988-1.108
Bromomethane	5.97	9.26	0.645	ok	0.644	0.584-0.704
Bromoethene	6.41	9.26	0.692	ok	0.693	0.633-0.753
n-Butane	5.76	9.26	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	18.40	15.26	1.206	ok	1.206	1.146-1.266
n-Butylbenzene	19.17	15.26	1.256	ok	1.257	1.197-1.317
sec-Butylbenzene	18.53	15.26	1.214	ok	1.215	1.155-1.275
tert-Butylbenzene	18.23	15.26	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.70	9.26	0.832	ok	0.832	0.772-0.892
Chlorobenzene	15.30	15.26	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.13	9.26	0.554	ok	0.555	0.495-0.615
Chloroethane	6.11	9.26	0.660	ok	0.660	0.600-0.720
Chloroform	9.36	9.26	1.011	ok	1.011	0.951-1.071
Chloromethane	5.40	9.26	0.583	ok	0.583	0.523-0.643
3-Chloropropene	7.49	9.26	0.809	ok	0.810	0.750-0.870
2-Chlorotoluene	17.52	15.26	1.148	ok	1.149	1.089-1.209
Carbon tetrachloride	10.83	9.26	1.170	ok	1.170	1.110-1.230
Cyclohexane	10.94	10.99	0.995	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.38	9.26	0.905	ok	0.905	0.845-0.965
1,1-Dichloroethylene	7.30	9.26	0.788	ok	0.789	0.729-0.849
1,2-Dibromoethane	14.14	15.26	0.927	ok	0.927	0.867-0.987
1,2-Dichloroethane	10.03	9.26	1.083	ok	1.084	1.024-1.144
1,2-Dichloropropane	11.45	10.99	1.042	ok	1.043	0.983-1.103
1,4-Dioxane	11.68	10.99	1.063	ok	1.065	1.005-1.125
Dichlorodifluoromethane	5.24	9.26	0.566	ok	0.566	0.506-0.626
Dichlorofluoromethane	6.17	9.26	0.666	ok	0.667	0.607-0.727
Dibromochloromethane	13.89	15.26	0.910	ok	0.910	0.850-0.970
Dibromomethane	11.44	10.99	1.041	ok	1.041	0.981-1.101
trans-1,2-Dichloroethylene	8.19	9.26	0.884	ok	0.885	0.825-0.945
cis-1,2-Dichloroethylene	9.10	9.26	0.983	ok	0.983	0.923-1.043

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Project: 95 South 5th Street, Brooklyn, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	12.48	10.99	1.136	ok	1.136	1.076-1.196
m-Dichlorobenzene	18.42	15.26	1.207	ok	1.208	1.148-1.268
o-Dichlorobenzene	18.88	15.26	1.237	ok	1.238	1.178-1.298
p-Dichlorobenzene	18.50	15.26	1.212	ok	1.213	1.153-1.273
trans-1,3-Dichloropropene	12.99	10.99	1.182	ok	1.182	1.122-1.242
Di-Isopropyl ether	9.24	9.26	0.998	ok	0.999	0.939-1.059
2,3-Dimethylpentane	11.13	10.99	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	10.05	9.26	1.085	ok	1.086	1.026-1.146
Ethanol	6.19	9.26	0.668	ok	0.669	0.609-0.729
Ethylbenzene	15.68	15.26	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.27	9.26	1.001	ok	1.001	0.941-1.061
4-Ethyltoluene	17.70	15.26	1.160	ok	1.161	1.101-1.221
Freon 113	7.60	9.26	0.821	ok	0.821	0.761-0.881
Freon 114	5.47	9.26	0.591	ok	0.591	0.531-0.651
Freon 141B	6.85	9.26	0.740	ok	0.740	0.680-0.800
Freon 142B	5.37	9.26	0.580	ok	0.580	0.520-0.640
Freon 143a	4.98	9.26	0.538	ok	0.538	0.478-0.598
Freon 152A	5.09	9.26	0.550	ok	0.550	0.490-0.610
Heptane	11.90	10.99	1.083	ok	1.083	1.023-1.143
Hexachlorobutadiene	21.28	15.26	1.394	ok	1.395	1.335-1.455
Hexachloroethane	19.62	15.26	1.286	ok	1.286	1.226-1.346
Hexane	9.25	9.26	0.999	ok	1.000	0.940-1.060
2-Hexanone	13.69	15.26	0.897	ok	0.897	0.837-0.957
Iodomethane	7.26	9.26	0.784	ok	0.784	0.724-0.844
Isopropylbenzene	17.00	15.26	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.80	9.26	0.734	ok	0.735	0.675-0.795
p-Isopropyltoluene	18.70	15.26	1.225	ok	1.226	1.166-1.286
Methylene chloride	7.40	9.26	0.799	ok	0.799	0.739-0.859
Methyl ethyl ketone	8.72	9.26	0.942	ok	0.942	0.882-1.002
Methyl Isobutyl Ketone	12.51	10.99	1.138	ok	1.140	1.080-1.200
Methyl Tert Butyl Ether	8.41	9.26	0.908	ok	0.910	0.850-0.970
Methylmethacrylate	11.81	10.99	1.075	ok	1.076	1.016-1.136
Naphthalene	20.91	15.26	1.370	ok	1.371	1.311-1.431
Nonane	16.56	15.26	1.085	ok	1.085	1.025-1.145
Octane	14.38	15.26	0.942	ok	0.943	0.883-1.003
Pentane	7.04	9.26	0.760	ok	0.761	0.701-0.821
n-Propylbenzene	17.55	15.26	1.150	ok	1.150	1.090-1.210
Propylene	5.16	9.26	0.557	ok	0.558	0.498-0.618

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JC11091
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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW2109-ICC2109	W52775.D	12/04/15 10:29	YMH	10	GCMSW	TO-15	
VW2109-IC2109	W52776.D	12/04/15 11:10	YMH	5	GCMSW	TO-15	
VW2109-IC2109	W52777.D	12/04/15 11:51	YMH	0.5	GCMSW	TO-15	
VW2109-IC2109	W52778.D	12/04/15 12:32	YMH	0.2	GCMSW	TO-15	
VW2109-IC2109	W52779.D	12/04/15 13:13	YMH	20	GCMSW	TO-15	
VW2109-IC2109	W52780.D	12/04/15 13:53	YMH	15	GCMSW	TO-15	
VW2109-IC2109	W52782.D	12/04/15 15:16	YMH	0.1	GCMSW	TO-15	
VW2109-IC2109	W52783.D	12/04/15 15:57	YMH	0.04	GCMSW	TO-15	
VW2109-IC2109	W52784.D	12/04/15 16:38	YMH	30	GCMSW	TO-15	
VW2109-IC2109	W52786.D	12/04/15 17:59	YMH	40	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.27	15.26	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.27	9.26	1.109	ok	1.109	1.049-1.169
1,1,1,2-Tetrachloroethane	15.28	15.26	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.38	15.26	1.073	ok	1.074	1.014-1.134
1,1,2-Trichloroethane	13.17	10.99	1.198	ok	1.199	1.139-1.259
1,2,4-Trichlorobenzene	21.19	15.26	1.389	ok	1.390	1.330-1.450
1,2,3-Trichloropropane	16.52	15.26	1.083	ok	1.083	1.023-1.143
1,2,4-Trimethylbenzene	18.23	15.26	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	17.78	15.26	1.165	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.67	10.99	1.062	ok	1.062	1.002-1.122
Tertiary Butyl Alcohol	7.32	9.26	0.790	ok	0.792	0.732-0.852
Tetrachloroethylene	14.59	15.26	0.956	ok	0.957	0.897-1.017
Tetrahydrofuran	9.75	9.26	1.053	ok	1.055	0.995-1.115
Toluene	13.45	10.99	1.224	ok	1.224	1.164-1.284
Trichloroethylene	11.67	10.99	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.76	9.26	0.730	ok	0.730	0.670-0.790
Vinyl chloride	5.60	9.26	0.605	ok	0.604	0.544-0.664
Vinyl Acetate	8.47	9.26	0.915	ok	0.915	0.855-0.975
m,p-Xylene	15.87	15.26	1.040	ok	1.040	0.980-1.100
o-Xylene	16.38	15.26	1.073	ok	1.074	1.014-1.134

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.26	ok	9.25	8.92-9.58	110099	ok	131715	79029-184401
1,4-Difluorobenzene	10.99	ok	10.98	10.65-11.31	563955	ok	594850	356910-832790
Chlorobenzene-D5	15.26	ok	15.25	14.92-15.58	310271	ok	272999	163799-382199

Volatile Surrogate Recovery Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JC11091-1	5W15318.D	103
JC11091-2	5W15320.D	99
JC11091-3	5W15321.D	100
JC11091-4	5W15322.D	102
JC11091-5	5W15323.D	102
JC11091-1DUP	5W15319.D	103
V5W602-SCC	5W15039.D	101
V5W613-BS	5W15306.D	100
V5W613-BSD	5W15307.D	101
V5W613-MB	5W15309.D	103
VW2114-SCC	W52896.D	88
VW2116-SCC	W52952.D	90
V5W602-BS	5W15025.D	106
V5W602-BSD	5W15026.D	106
V5W602-MB	5W15028.D	103
VW2114-BS	W52875.D	105
VW2114-BSD	W52876.D	105
VW2114-MB	W52878.D	89
VW2116-BS	W52935.D	104
VW2116-BSD	W52936.D	103
VW2116-MB	W52938.D	93

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: V5W577-ICC577
Lab FileID: 5W14428.D

Response Factor Report GCMS5W

Method Path : C:\msdchem\1\METHODS\
Method File : m5w577.M
Title : TO-15 Full Scan Mode
Last Update : Fri Nov 06 08:32:28 2015
Response Via : Initial Calibration

Calibration Files
20 =5W14429.D 30 =5W14430.D 0.5 =5W14426.D 0.2 =5W14425.D 0.1 =5W14424.D 0.04=5W14423.D 10 =5W14428.D
5 =5W14427.D 40 =5W14431.D

	Compound	20	30	0.5	0.2	0.1	0.04	10	5	40	Avg	%RSD
1) I	Bromochloromethane	----------ISTD----------										
2)	1,1,1-Trifluor...										0.000	-1.00
3)	Freon 152A										0.000	-1.00
4)	Chlorodifluoro...	0.227	0.212	0.226	0.237	0.249		0.234	0.258	0.223	0.233	6.31
5)	Propene	0.633	0.589	0.719	0.792			0.655	0.716	0.626	0.676	10.33
6)	Dichlorodifluo...	2.385	2.218	2.444	2.630	2.768	2.886	2.464	2.707	2.357	2.540	8.62
7)	1-Chloro-1,1-d...										0.000	-1.00
8)	Chloromethane	0.790	0.744	0.833	0.878	0.841	0.942	0.821	0.902	0.786	0.837	7.41
9)	Dichlorotetraf...	2.536	2.347	2.664	2.720	2.818	2.952	2.616	2.865	2.470	2.665	7.35
10)	Vinyl Chloride	0.951	0.889	0.967	1.026	1.087	0.952	0.974	1.075	0.935	0.984	6.69
11)	1,3-Butadiene	0.665	0.624	0.724	0.756	0.864	0.822	0.692	0.748	0.664	0.729	10.69
12)	n-Butane	0.142	0.137	0.161	0.163	0.138		0.148	0.167	0.144	0.150	8.05
13)	Bromomethane	0.955	0.890	0.993	1.065	1.097	1.211	0.986	1.072	0.946	1.024	9.49
14)	Chloroethane	0.454	0.416	0.473	0.486	0.434		0.464	0.509	0.444	0.460	6.43
15)	Dichlorofluoro...	2.091	1.944	2.163	2.339	2.396	2.653	2.155	2.355	2.054	2.239	9.67
16)	Acetonitrile	0.684	0.639	1.032	1.202	0.825		0.729	0.776	0.678	0.821	24.05
17)	Freon 123	2.363	2.194	2.415	2.544	2.495	2.550	2.430	2.652	2.308	2.439	5.72
18)	Freon 123A	1.230	1.155	1.215	1.299	1.302	1.242	1.280	1.365	1.228	1.257	4.87
19)	Bromoethene	0.962	0.896	0.961	0.978	1.002	0.840	0.982	1.062	0.953	0.960	6.55
20)	Trichlorofluor...	2.238	2.094	2.280	2.390	2.474	2.420	2.309	2.518	2.212	2.326	5.86
21)	Acetone	0.419	0.397	0.495	0.591	0.693		0.437	0.468	0.420	0.490	20.91
22)	Pentane	0.236	0.220	0.317	0.456			0.243	0.270	0.231	0.282	29.56
23)	1,1-Dichloro-1...										0.000	-1.00
24)	Iodomethane	2.730	2.562	2.742	2.860	2.996	3.024	2.781	3.036	2.713	2.827	5.79
25)	Isopropyl Alcohol	1.670	1.543	1.887	2.069	2.555		1.700	1.887	1.642	1.869	17.36
26)	1,1-Dichloroet...	1.543	1.455	1.595	1.665	1.718	1.695	1.582	1.732	1.535	1.614	5.88
27)	Freon 113	2.081	1.960	2.067	2.181	2.304	2.279	2.132	2.323	2.066	2.155	5.82
28)	Methylene Chlo...	0.906	0.853	0.950	0.999	1.089	1.631	0.925	1.007	0.900	1.029	22.97
29)	Carbon Disulfide	2.924	2.760	2.879	3.030	3.167	3.183	3.008	3.296	2.915	3.018	5.65
30)	Ethanol	0.367	0.337	0.563				0.387	0.416	0.352	0.404	20.48
31)	Acrylonitrile	0.743	0.699	0.741	0.729	0.937	1.004	0.756	0.807	0.736	0.795	13.19
32)	3-Chloropropene	0.457	0.429	0.441	0.433	0.424		0.459	0.507	0.455	0.450	5.86
33)	trans-1,2-Dich...	1.430	1.349	1.422	1.508	1.521	1.457	1.446	1.584	1.432	1.461	4.67
34)	tert-Butyl Alc...	2.190	2.025	2.194	2.303	2.390	2.668	2.259	2.468	2.144	2.293	8.39
35)	Methyl tert-Bu...	2.666	2.487	2.703	2.988	3.315	3.869	2.682	2.924	2.666	2.922	14.72
36)	Vinyl Acetate	2.511	2.355	2.435	2.426	2.680		2.586	2.718	2.506	2.527	5.01
37)	1,1-Dichloroet...	1.812	1.694	1.811	1.901	1.954	1.956	1.846	2.003	1.793	1.863	5.26
38)	2-Butanone	0.491	0.457	0.441	0.469	0.459		0.502	0.539	0.482	0.480	6.44
39)	Hexane	1.437	1.344	1.621	1.813	2.003	2.763	1.497	1.629	1.425	1.726	25.52
40)	cis-1,2-Dichlo...	1.392	1.309	1.317	1.461	1.564	1.234	1.430	1.558	1.387	1.406	7.92
41)	Di-isopropyl E...	0.815	0.767	0.772	0.807	0.768	0.581	0.842	0.914	0.813	0.787	11.41
42)	Ethyl Acetate	0.334	0.315	0.312	0.283			0.347	0.372	0.330	0.328	8.62
43)	Methyl Acrylate	1.879	1.757	1.913	1.977			1.970	2.131	1.862	1.927	6.05
44)	Chloroform	2.168	2.010	2.151	2.197	2.372	2.161	2.246	2.420	2.124	2.205	5.70
45)	2,4-Dimethylpe...	1.798	1.661	1.823	2.101	2.443	3.336	1.848	2.000	1.766	2.086	25.08

Initial Calibration Summary

Job Number: JC11091 **Sample:** V5W577-ICC577
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 5W14428.D
Project: 95 South 5th Street, Brooklyn, NY

46)		Tetrahydrofuran	0.488	0.450	0.472	0.470	0.420		0.500	0.543	0.487	0.479	7.55
47)		1,1,1-Trichlor...	2.103	1.963	2.054	2.208	2.380	2.422	2.133	2.335	2.063	2.184	7.39
48)		1,2-Dichloroet...	1.310	1.215	1.298	1.306	1.292	1.257	1.350	1.465	1.288	1.309	5.30
49)		Benzene	3.171	2.962	3.166	3.244	3.473	3.510	3.232	3.544	3.117	3.269	6.07
50)		Carbon Tetrach...	2.205	2.064	2.121	2.219	2.266	2.322	2.260	2.450	2.168	2.230	5.09
51)		Cyclohexane	1.499	1.403	1.486	1.570	1.798	1.603	1.538	1.667	1.483	1.561	7.51
52)		2,3-Dimethylpe...	0.664	0.624	0.677	0.720	0.745	0.563	0.686	0.744	0.664	0.676	8.63
53)	I	1,4-Difluorobenzene	----------ISTD----------										
54)		2,2,4-Trimethy...	1.373	1.277	1.365	1.470	1.674	1.783	1.400	1.529	1.321	1.466	11.50
55)		Heptane	0.277	0.258	0.276	0.286	0.298	0.303	0.283	0.306	0.274	0.284	5.48
56)		Trichloroethene	0.408	0.380	0.403	0.418	0.436	0.420	0.411	0.449	0.400	0.414	4.88
57)		1,2-Dichloropr...	0.333	0.309	0.322	0.329	0.337	0.312	0.339	0.369	0.324	0.330	5.38
58)		Dibromomethane	0.389	0.363	0.358	0.375	0.384	0.389	0.390	0.415	0.385	0.383	4.37
59)		Ethyl Acrylate	0.652	0.608	0.629	0.670	0.788	0.872	0.660	0.705	0.647	0.692	12.27
60)		Methyl Methacr...	0.310	0.293	0.317	0.333	0.365	0.384	0.312	0.332	0.307	0.328	8.96
61)		1,4-Dioxane	0.208	0.194	0.209	0.206	0.198	0.249	0.208	0.224	0.203	0.211	7.77
62)		Bromodichlorom...	0.677	0.628	0.642	0.687	0.672	0.664	0.683	0.741	0.670	0.674	4.69
63)		cis-1,3-Dichlo...	0.555	0.523	0.514	0.522	0.544	0.474	0.566	0.602	0.556	0.539	6.75
64)		4-Methyl-2-pen...	0.270	0.255	0.240	0.245	0.246	0.232	0.273	0.294	0.272	0.259	7.67
65)		trans-1,3-Dich...	0.480	0.449	0.421	0.412	0.414	0.321	0.487	0.511	0.482	0.442	13.04
66)		Toluene	1.055	0.985	1.007	1.020	1.075	1.134	1.066	1.155	1.043	1.060	5.28
67)		1,1,2-Trichlor...	0.381	0.356	0.361	0.380	0.408	0.375	0.385	0.414	0.379	0.382	4.98
68)		2-Hexanone	0.383	0.365	0.356	0.328	0.327		0.388	0.419	0.386	0.369	8.56
69)		Ethyl Methacry...	0.543	0.513	0.520	0.534	0.627	0.594	0.547	0.590	0.543	0.557	6.87
70)		Dibromochlorom...	0.718	0.672	0.656	0.678	0.690	0.685	0.722	0.777	0.712	0.701	5.12
71)		Tetrachloroethene	0.533	0.497	0.498	0.504	0.531	0.526	0.535	0.579	0.531	0.526	4.80
72)		1,2-Dibromoethane	0.615	0.577	0.556	0.590	0.550	0.561	0.623	0.665	0.610	0.594	6.33
73)		Octane	0.638	0.593	0.646	0.734	0.649	1.194	0.646	0.707	0.631	0.715	25.74
74)		1,1,1,2-Tetrac...	0.467	0.440	0.459	0.469	0.452	0.433	0.475	0.505	0.466	0.463	4.57
75)	I	Chlorobenzene-d5	----------ISTD----------										
76)		Chlorobenzene	1.526	1.394	1.594	1.651	1.759	1.756	1.629	1.766	1.405	1.609	8.95
77)		Ethylbenzene	2.479	2.258	2.607	2.646	2.849	2.877	2.643	2.863	2.254	2.609	9.21
78)		m,p-Xylene	1.885	1.699	1.969	2.015	2.168	2.281	2.009	2.173	1.713	1.990	10.10
79)		Styrene	1.450	1.322	1.392	1.379	1.394	1.418	1.543	1.611	1.342	1.428	6.58
80)		Nonane	1.163	1.063	1.224	1.381	1.806	2.295	1.240	1.338	1.079	1.399	28.81
81)		o-Xylene	1.890	1.713	1.975	2.004	2.211	2.359	2.011	2.195	1.729	2.010	10.84
82)		Bromoform	1.301	1.189	1.300	1.332	1.373	1.340	1.389	1.479	1.210	1.324	6.71
83)		1,1,2,2-Tetrac...	1.541	1.391	1.616	1.677	1.678	1.696	1.645	1.787	1.402	1.604	8.39
84)		1,2,3-Trichlor...	1.101	0.999	1.175	1.226	1.226	1.284	1.179	1.281	1.009	1.165	9.18
85)		Isopropylbenzene	2.667	2.404	2.745	2.866	2.996	3.308	2.845	3.082	2.432	2.816	10.44
86)		Bromobenzene	0.909	0.830	0.923	0.947	0.981	0.995	0.965	1.029	0.837	0.935	7.28
87)		2-Chlorotoluene	0.668	0.616	0.702	0.744	0.800	0.791	0.710	0.771	0.615	0.713	9.81
88)		n-Propylbenzene	0.713	0.656	0.718	0.698	0.766	0.632	0.756	0.813	0.657	0.712	8.31
89)	S	4-Bromofluorob...	1.194	1.167	1.288	1.294	1.285	1.295	1.251	1.263	1.110	1.239	5.37
90)		4-Ethyltoluene	2.497	2.289	2.560	2.640	2.791	2.728	2.670	2.859	2.292	2.592	7.84
91)		1,3,5-Trimethy...	2.120	1.929	2.156	2.280	2.391	2.572	2.240	2.442	1.951	2.231	9.71
92)		alpha-Methylst...	1.099	1.012	1.050	1.065	1.065	1.139	1.164	1.241	1.020	1.095	6.83
93)		tert-Butylbenzene	0.455	0.412	0.461	0.475	0.445	0.400	0.483	0.515	0.413	0.451	8.38
94)		1,2,4-Trimethy...	2.165	1.964	2.180	2.245	2.348	2.491	2.308	2.472	1.966	2.238	8.56
95)		1,3-Dichlorobe...	1.433	1.325	1.504	1.513	1.549	1.767	1.539	1.644	1.330	1.512	9.32
96)		Benzyl Chloride	1.964	1.805	1.920	1.934	1.949	2.301	2.087	2.210	1.824	1.999	8.41
97)		1,4-Dichlorobe...	1.457	1.325	1.520	1.561	1.654	1.983	1.544	1.650	1.341	1.559	12.64
98)		sec-Butylbenzene	0.562	0.515	0.565	0.573	0.592	0.548	0.600	0.649	0.523	0.570	7.20
99)		p-Isopropyltol...	0.642	0.579	0.633	0.632	0.658	0.692	0.672	0.729	0.581	0.646	7.52
100)		1,2-Dichlorobe...	1.363	1.237	1.353	1.397	1.444	1.664	1.440	1.544	1.258	1.411	9.49
101)		n-Butylbenzene	0.571	0.535	0.558	0.568	0.600	0.608	0.618	0.662	0.539	0.584	7.06
102)		Hexachloroethane	0.857	0.782	0.828	0.873	0.897	0.848	0.886	0.955	0.796	0.858	6.18
103)		1,2,4-Trichlor...	0.831	0.781	0.777	0.780	0.838		0.880	0.911	0.795	0.824	6.11

Initial Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: V5W577-ICC577
Lab FileID: 5W14428.D

```
104)     Naphthalene       1.828 1.702 1.721 1.789 2.078       1.926 1.971 1.726 1.843    7.40
105)     Hexachlorobuta... 0.779 0.749 0.852 0.854 0.944 1.121 0.856 0.934 0.746 0.871   13.56

106) I   Bromochloromethane... ----------------ISTD---------------------
107)     TVHC as equiv ... 5.671 5.325 5.860 6.829             5.815 6.365 5.596 5.923    8.61
 ---------------------------------------------------------------------------
 (#) = Out of Range

m5w577.M Fri Nov 06 08:43:55 2015 GCMS5W
```

Initial Calibration Verification

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Sample: V5W577-ICV577
Lab FileID: 5W14434.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\5W14434.D Vial: 5
Acq On : 5 Nov 2015 8:34 pm Operator: THOMASH
Sample : icv577-10 Inst : GCMS5W
Misc : MS92683,v5w577,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\METHODS\m5w577.M (RTE Integrator)
Title : TO-15 Full Scan Mode
Last Update : Fri Nov 06 08:32:28 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Bromochloromethane	1.000	1.000	0.0	97	0.00	8.29
2	1,1,1-Trifluoroethane		----------NA----------				
3	Freon 152A		----------NA----------				
4	Chlorodifluoromethane	0.233	0.249	-6.9	104	0.00	3.80
5	Propene	0.676	0.684	-1.2	102	0.00	3.83
6	Dichlorodifluoromethane	2.540	2.616	-3.0	103	0.00	3.89
7	1-Chloro-1,1-difluoroetha		----------NA----------				
8	Chloromethane	0.837	0.881	-5.3	105	0.00	4.03
9	Dichlorotetrafluoroethane	2.665	2.880	-8.1	107	0.00	4.11
10	Vinyl Chloride	0.984	1.066	-8.3	107	0.00	4.20
11	1,3-Butadiene	0.729	0.758	-4.0	107	0.00	4.32
12	n-Butane	0.150	0.168	-12.0	110	0.00	4.36
13	Bromomethane	1.024	1.091	-6.5	108	0.00	4.55
14	Chloroethane	0.460	0.509	-10.7	107	0.00	4.69
15	Dichlorofluoromethane	2.239	2.342	-4.6	106	0.00	4.77
16	Acetonitrile	0.821	0.747	9.0	100	0.00	5.00
17	Freon 123	2.439	2.559	-4.9	103	0.00	5.12
18	Freon 123A	1.257	1.360	-8.2	104	0.00	5.17
19	Bromoethene	0.960	1.083	-12.8	107	0.00	4.99
20	Trichlorofluoromethane	2.326	2.514	-8.1	106	0.00	5.37
21	Acetone	0.490	0.450	8.2	100	0.00	5.22
22	Pentane	0.282	0.260	7.8	104	0.00	5.68
23	1,1-Dichloro-1-fluoroetha		----------NA----------				
24	Iodomethane	2.827	2.965	-4.9	104	0.00	5.89
25	Isopropyl Alcohol	1.869	1.790	4.2	103	0.00	5.44
26	1,1-Dichloroethene	1.614	1.663	-3.0	102	0.00	5.95
27	Freon 113	2.155	2.269	-5.3	104	0.00	6.32
28	Methylene Chloride	1.029	1.021	0.8	107	0.00	6.08
29	Carbon Disulfide	3.018	3.229	-7.0	105	0.00	6.36
30	Ethanol	0.404	0.404	0.0	102	0.00	4.80
31	Acrylonitrile	0.795	0.785	1.3	101	0.00	5.65
32	3-Chloropropene	0.450	0.484	-7.6	103	0.00	6.18
33	trans-1,2-Dichloroethene	1.461	1.525	-4.4	103	0.00	6.99
34	tert-Butyl Alcohol	2.293	2.317	-1.0	100	0.00	5.99
35	Methyl tert-Butyl Ether	2.922	2.873	1.7	104	0.00	7.26
36	Vinyl Acetate	2.527	2.660	-5.3	100	0.00	7.37
37	1,1-Dichloroethane	1.863	1.939	-4.1	102	0.00	7.21
38	2-Butanone	0.480	0.515	-7.3	100	0.00	7.63
39	Hexane	1.726	1.573	8.9	102	0.00	8.31
40	cis-1,2-Dichloroethene	1.406	1.491	-6.0	102	0.00	8.10
41	Di-isopropyl Ether	0.787	0.884	-12.3	102	0.00	8.31
42	Ethyl Acetate	0.328	0.359	-9.5	101	0.00	8.35

Initial Calibration Verification

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: V5W577-ICV577
Lab FileID: 5W14434.D

43		Methyl Acrylate	1.927	2.034	-5.6	101	0.00	8.34
44		Chloroform	2.205	2.355	-6.8	102	0.00	8.43
45		2,4-Dimethylpentane	2.086	1.890	9.4	100	0.00	9.30
46		Tetrahydrofuran	0.479	0.517	-7.9	101	0.00	8.88
47		1,1,1-Trichloroethane	2.184	2.259	-3.4	103	0.00	9.54
48		1,2-Dichloroethane	1.309	1.370	-4.7	99	0.00	9.25
49		Benzene	3.269	3.307	-1.2	100	0.00	10.08
50		Carbon Tetrachloride	2.230	2.358	-5.7	102	0.00	10.25
51		Cyclohexane	1.561	1.609	-3.1	102	0.00	10.38
52		2,3-Dimethylpentane	0.676	0.714	-5.6	101	0.00	10.68
53	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00	10.51
54		2,2,4-Trimethylpentane	1.466	1.478	-0.8	102	0.00	11.37
55		Heptane	0.284	0.296	-4.2	101	0.00	11.72
56		Trichloroethene	0.414	0.422	-1.9	99	0.00	11.35
57		1,2-Dichloropropane	0.330	0.356	-7.9	101	0.00	11.05
58		Dibromomethane	0.383	0.400	-4.4	99	0.00	11.03
59		Ethyl Acrylate	0.692	0.678	2.0	99	0.00	11.09
60		Methyl Methacrylate	0.328	0.317	3.4	98	0.00	11.63
61		1,4-Dioxane	0.211	0.220	-4.3	102	0.00	11.37
62		Bromodichloromethane	0.674	0.710	-5.3	100	0.00	11.30
63		cis-1,3-Dichloropropene	0.539	0.546	-1.3	93	0.00	12.45
64		4-Methyl-2-pentanone	0.259	0.278	-7.3	98	0.00	12.48
65		trans-1,3-Dichloropropene	0.442	0.488	-10.4	96	0.00	13.12
66		Toluene	1.060	1.093	-3.1	99	0.00	13.69
67		1,1,2-Trichloroethane	0.382	0.400	-4.7	100	0.00	13.34
68		2-Hexanone	0.369	0.391	-6.0	97	0.00	14.07
69		Ethyl Methacrylate	0.557	0.562	-0.9	99	0.00	14.10
70		Dibromochloromethane	0.701	0.736	-5.0	98	0.00	14.26
71		Tetrachloroethene	0.526	0.551	-4.8	99	0.00	15.22
72		1,2-Dibromoethane	0.594	0.624	-5.1	96	0.00	14.57
73		Octane	0.715	0.657	8.1	98	0.00	15.05
74		1,1,1,2-Tetrachloroethane	0.463	0.483	-4.3	98	0.00	16.15
75	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	16.11
76		Chlorobenzene	1.609	1.555	3.4	93	0.00	16.17
77		Ethylbenzene	2.609	2.562	1.8	95	0.00	16.72
78		m,p-Xylene	1.990	1.920	3.5	93	-0.02	16.97
79		Styrene	1.428	1.414	1.0	89	0.00	17.51
80		Nonane	1.399	1.201	14.2	95	0.00	18.04
81		o-Xylene	2.010	1.952	2.9	95	0.00	17.66
82		Bromoform	1.324	1.302	1.7	92	0.00	17.06
83		1,1,2,2-Tetrachloroethane	1.604	1.586	1.1	94	0.00	17.66
84		1,2,3-Trichloropropane	1.165	1.125	3.4	93	0.00	17.86
85		Isopropylbenzene	2.816	2.714	3.6	93	0.00	18.58
86		Bromobenzene	0.935	0.869	7.1	88	0.00	18.69
87		2-Chlorotoluene	0.713	0.647	9.3	89	0.00	19.28
88		n-Propylbenzene	0.712	0.700	1.7	90	0.00	19.35
89	S	4-Bromofluorobenzene	1.239	1.243	-0.3	97	0.00	18.36
90		4-Ethyltoluene	2.592	2.405	7.2	88	0.00	19.57
91		1,3,5-Trimethylbenzene	2.231	2.017	9.6	88	0.00	19.69
92		alpha-Methylstyrene	1.095	1.014	7.4	85	0.00	19.92
93		tert-Butylbenzene	0.451	0.446	1.1	90	0.00	20.26
94		1,2,4-Trimethylbenzene	2.238	2.032	9.2	86	0.00	20.27
95		1,3-Dichlorobenzene	1.512	1.304	13.8	83	0.00	20.46
96		Benzyl Chloride	1.999	1.743	12.8	82	0.00	20.45
97		1,4-Dichlorobenzene	1.559	1.274	18.3	81	0.00	20.56
98		sec-Butylbenzene	0.570	0.543	4.7	88	0.00	20.64
99		p-Isopropyltoluene	0.646	0.592	8.4	86	0.00	20.86
100		1,2-Dichlorobenzene	1.411	1.210	14.2	82	0.00	21.02

Initial Calibration Verification

Job Number: JC11091 **Sample:** V5W577-ICV577
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 5W14434.D
Project: 95 South 5th Street, Brooklyn, NY

101		n-Butylbenzene	0.584	0.511	12.5	81	0.00	21.43
102		Hexachloroethane	0.858	0.796	7.2	88	0.00	21.90
103		1,2,4-Trichlorobenzene	0.824	0.607	26.3	67	0.00	23.21
104		Naphthalene	1.843	1.293	29.8	66	0.00	23.33
105		Hexachlorobutadiene	0.871	0.622	28.6	71	0.00	23.78
106	I	Bromochloromethane (A)	1.000	1.000	0.0	97	0.00	8.29
107		TVHC as equiv Pentane	5.923	6.306	-6.5	106	0.00	5.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5W14428.D m5w577.M Fri Nov 06 08:42:45 2015 GCMS5W

6.9.2

6

Continuing Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Sample: V5W602-CC577
Lab FileID: 5W15024.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\5W15024.D Vial: 2
Acq On : 10 Dec 2015 10:46 am Operator: THOMASH
Sample : CC577-10 Inst : GCMS5W
Misc : MS95274,v5w602,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\METHODS\m5w577.M (RTE Integrator)
Title : TO-15 Full Scan Mode
Last Update : Fri Nov 06 08:32:28 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Bromochloromethane	1.000	1.000	0.0	102	0.08	8.36
2	1,1,1-Trifluoroethane		----------NA----------				
3	Freon 152A		----------NA----------				
4	Chlorodifluoromethane	0.233	0.218	6.4	95	0.16	3.96
5	Propene	0.676	0.614	9.2	95	0.16	3.98
6	Dichlorodifluoromethane	2.540	2.332	8.2	96	0.16	4.05
7	1-Chloro-1,1-difluoroetha		----------NA----------				
8	Chloromethane	0.837	0.776	7.3	96	0.16	4.19
9	Dichlorotetrafluoroethane	2.665	2.513	5.7	98	0.16	4.27
10	Vinyl Chloride	0.984	0.908	7.7	95	0.15	4.36
11	1,3-Butadiene	0.729	0.635	12.9	93	0.15	4.47
12	n-Butane	0.150	0.139	7.3	96	0.15	4.52
13	Bromomethane	1.024	0.949	7.3	98	0.15	4.71
14	Chloroethane	0.460	0.434	5.7	95	0.15	4.85
15	Dichlorofluoromethane	2.239	2.049	8.5	97	0.16	4.93
16	Acetonitrile	0.821	0.632	23.0	88	0.16	5.16
17	Freon 123	2.439	2.351	3.6	98	0.15	5.28
18	Freon 123A	1.257	1.330	-5.8	106	0.15	5.32
19	Bromoethene	0.960	0.954	0.6	99	0.15	5.15
20	Trichlorofluoromethane	2.326	2.219	4.6	98	0.14	5.51
21	Acetone	0.490	0.398	18.8	93	0.15	5.37
22	Pentane	0.282	0.225	20.2	94	0.13	5.81
23	1,1-Dichloro-1-fluoroetha		----------NA----------				
24	Iodomethane	2.827	2.627	7.1	96	0.13	6.02
25	Isopropyl Alcohol	1.869	1.533	18.0	92	0.16	5.60
26	1,1-Dichloroethene	1.614	1.520	5.8	98	0.13	6.09
27	Freon 113	2.155	2.047	5.0	98	0.13	6.44
28	Methylene Chloride	1.029	0.887	13.8	97	0.13	6.21
29	Carbon Disulfide	3.018	2.906	3.7	98	0.12	6.48
30	Ethanol	0.404	0.335	17.1	88	0.17	4.97
31	Acrylonitrile	0.795	0.700	11.9	94	0.14	5.79
32	3-Chloropropene	0.450	0.442	1.8	98	0.12	6.31
33	trans-1,2-Dichloroethene	1.461	1.353	7.4	95	0.11	7.10
34	tert-Butyl Alcohol	2.293	2.023	11.8	91	0.14	6.14
35	Methyl tert-Butyl Ether	2.922	2.444	16.4	93	0.10	7.36
36	Vinyl Acetate	2.527	2.328	7.9	92	0.10	7.47
37	1,1-Dichloroethane	1.863	1.750	6.1	96	0.10	7.31
38	2-Butanone	0.480	0.464	3.3	94	0.09	7.72
39	Hexane	1.726	1.415	18.0	96	0.07	8.38
40	cis-1,2-Dichloroethene	1.406	1.321	6.0	94	0.09	8.19
41	Di-isopropyl Ether	0.787	0.779	1.0	94	0.08	8.39
42	Ethyl Acetate	0.328	0.328	0.0	96	0.07	8.43

Continuing Calibration Summary

Job Number: JC11091 **Sample:** V5W602-CC577
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 5W15024.D
Project: 95 South 5th Street, Brooklyn, NY

43		Methyl Acrylate	1.927	1.849	4.0	95	0.08	8.42
44		Chloroform	2.205	2.122	3.8	96	0.08	8.51
45		2,4-Dimethylpentane	2.086	1.721	17.5	95	0.06	9.36
46		Tetrahydrofuran	0.479	0.458	4.4	93	0.07	8.95
47		1,1,1-Trichloroethane	2.184	2.018	7.6	96	0.06	9.59
48		1,2-Dichloroethane	1.309	1.239	5.3	93	0.06	9.31
49		Benzene	3.269	3.066	6.2	97	0.04	10.12
50		Carbon Tetrachloride	2.230	2.082	6.6	94	0.04	10.29
51		Cyclohexane	1.561	1.442	7.6	95	0.04	10.42
52		2,3-Dimethylpentane	0.676	0.647	4.3	96	0.03	10.71
53	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.03	10.54
54		2,2,4-Trimethylpentane	1.466	1.396	4.8	99	0.02	11.39
55		Heptane	0.284	0.271	4.6	95	0.01	11.73
56		Trichloroethene	0.414	0.408	1.4	99	0.02	11.37
57		1,2-Dichloropropane	0.330	0.328	0.6	96	0.03	11.08
58		Dibromomethane	0.383	0.366	4.4	93	0.03	11.06
59		Ethyl Acrylate	0.692	0.622	10.1	94	0.02	11.11
60		Methyl Methacrylate	0.328	0.298	9.1	95	0.01	11.64
61		1,4-Dioxane	0.211	0.204	3.3	98	0.02	11.39
62		Bromodichloromethane	0.674	0.670	0.6	98	0.02	11.33
63		cis-1,3-Dichloropropene	0.539	0.534	0.9	94	0.00	12.45
64		4-Methyl-2-pentanone	0.259	0.261	-0.8	95	0.00	12.49
65		trans-1,3-Dichloropropene	0.442	0.449	-1.6	92	0.00	13.12
66		Toluene	1.060	1.011	4.6	94	0.00	13.69
67		1,1,2-Trichloroethane	0.382	0.376	1.6	97	0.00	13.33
68		2-Hexanone	0.369	0.360	2.4	92	-0.01	14.05
69		Ethyl Methacrylate	0.557	0.517	7.2	94	-0.01	14.08
70		Dibromochloromethane	0.701	0.683	2.6	94	-0.01	14.24
71		Tetrachloroethene	0.526	0.524	0.4	98	-0.02	15.20
72		1,2-Dibromoethane	0.594	0.605	-1.9	97	-0.01	14.56
73		Octane	0.715	0.643	10.1	99	-0.02	15.03
74		1,1,1,2-Tetrachloroethane	0.463	0.461	0.4	97	-0.03	16.12
75	I	Chlorobenzene-d5	1.000	1.000	0.0	104	-0.03	16.08
76		Chlorobenzene	1.609	1.490	7.4	95	-0.03	16.14
77		Ethylbenzene	2.609	2.381	8.7	94	-0.03	16.68
78		m,p-Xylene	1.990	1.836	7.7	95	-0.04	16.95
79		Styrene	1.428	1.363	4.6	92	-0.04	17.47
80		Nonane	1.399	1.191	14.9	100	-0.04	18.00
81		o-Xylene	2.010	1.873	6.8	97	-0.04	17.63
82		Bromoform	1.324	1.179	11.0	88	-0.03	17.03
83		1,1,2,2-Tetrachloroethane	1.604	1.590	0.9	101	-0.04	17.63
84		1,2,3-Trichloropropane	1.165	1.127	3.3	99	-0.04	17.82
85		Isopropylbenzene	2.816	2.646	6.0	97	-0.04	18.53
86		Bromobenzene	0.935	0.885	5.3	96	-0.04	18.65
87		2-Chlorotoluene	0.713	0.668	6.3	98	-0.04	19.25
88		n-Propylbenzene	0.712	0.708	0.6	97	-0.04	19.32
89	S	4-Bromofluorobenzene	1.239	1.278	-3.1	106	-0.04	18.32
90		4-Ethyltoluene	2.592	2.505	3.4	98	-0.04	19.54
91		1,3,5-Trimethylbenzene	2.231	2.108	5.5	98	-0.04	19.66
92		alpha-Methylstyrene	1.095	1.057	3.5	95	-0.04	19.88
93		tert-Butylbenzene	0.451	0.448	0.7	97	-0.04	20.22
94		1,2,4-Trimethylbenzene	2.238	2.154	3.8	97	-0.04	20.23
95		1,3-Dichlorobenzene	1.512	1.425	5.8	96	-0.04	20.42
96		Benzyl Chloride	1.999	1.847	7.6	92	-0.04	20.41
97		1,4-Dichlorobenzene	1.559	1.416	9.2	95	-0.04	20.52
98		sec-Butylbenzene	0.570	0.571	-0.2	99	-0.04	20.60
99		p-Isopropyltoluene	0.646	0.650	-0.6	101	-0.03	20.83
100		1,2-Dichlorobenzene	1.411	1.333	5.5	96	-0.04	20.98

Continuing Calibration Summary

Job Number: JC11091 **Sample:** V5W602-CC577
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 5W15024.D
Project: 95 South 5th Street, Brooklyn, NY

101		n-Butylbenzene	0.584	0.575	1.5	97	-0.04	21.40
102		Hexachloroethane	0.858	0.821	4.3	96	-0.04	21.86
103		1,2,4-Trichlorobenzene	0.824	0.722	12.4	85	-0.03	23.18
104		Naphthalene	1.843	1.588	13.8	86	-0.04	23.30
105		Hexachlorobutadiene	0.871	0.763	12.4	93	-0.03	23.75
106	I	Bromochloromethane (A)	1.000	1.000	0.0	102	0.08	8.36
107		TVHC as equiv Pentane	5.923	5.479	7.5	96	0.14	5.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5W14428.D m5w577.M Fri Dec 11 11:12:40 2015 GCMS5W

6.9.3

6

Continuing Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Sample: V5W613-CC577
Lab FileID: 5W15305.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\5W15305.D Vial: 2
Acq On : 23 Dec 2015 12:21 pm Operator: THOMASH
Sample : CC577-10 Inst : GCMS5W
Misc : MS96317,v5w613,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\METHODS\m5w577.M (RTE Integrator)
Title : TO-15 Full Scan Mode
Last Update : Fri Nov 06 08:32:28 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Bromochloromethane	1.000	1.000	0.0	90	0.02	8.30
2	1,1,1-Trifluoroethane		----------NA----------				
3	Freon 152A		----------NA----------				
4	Chlorodifluoromethane	0.233	0.202	13.3	77	0.08	3.88
5	Propene	0.676	0.570	15.7	78	0.08	3.90
6	Dichlorodifluoromethane	2.540	2.246	11.6	82	0.08	3.97
7	1-Chloro-1,1-difluoroetha		----------NA----------				
8	Chloromethane	0.837	0.732	12.5	80	0.07	4.10
9	Dichlorotetrafluoroethane	2.665	2.488	6.6	85	0.07	4.18
10	Vinyl Chloride	0.984	0.897	8.8	83	0.07	4.28
11	1,3-Butadiene	0.729	0.618	15.2	80	0.07	4.39
12	n-Butane	0.150	0.136	9.3	82	0.07	4.44
13	Bromomethane	1.024	0.952	7.0	87	0.07	4.63
14	Chloroethane	0.460	0.423	8.0	82	0.07	4.76
15	Dichlorofluoromethane	2.239	1.951	12.9	81	0.07	4.84
16	Acetonitrile	0.821	0.602	26.7	74	0.07	5.07
17	Freon 123	2.439	2.248	7.8	83	0.07	5.19
18	Freon 123A	1.257	1.221	2.9	85	0.06	5.24
19	Bromoethene	0.960	0.949	1.1	87	0.07	5.07
20	Trichlorofluoromethane	2.326	2.093	10.0	81	0.06	5.43
21	Acetone	0.490	0.381	22.2	78	0.07	5.29
22	Pentane	0.282	0.216	23.4	80	0.05	5.73
23	1,1-Dichloro-1-fluoroetha		----------NA----------				
24	Iodomethane	2.827	2.650	6.3	85	0.05	5.94
25	Isopropyl Alcohol	1.869	1.425	23.8	75	0.07	5.51
26	1,1-Dichloroethene	1.614	1.409	12.7	80	0.05	6.01
27	Freon 113	2.155	1.946	9.7	82	0.05	6.36
28	Methylene Chloride	1.029	0.850	17.4	82	0.05	6.13
29	Carbon Disulfide	3.018	2.739	9.2	82	0.05	6.41
30	Ethanol	0.404	0.316	21.8	73	0.07	4.88
31	Acrylonitrile	0.795	0.651	18.1	77	0.05	5.70
32	3-Chloropropene	0.450	0.416	7.6	81	0.05	6.24
33	trans-1,2-Dichloroethene	1.461	1.242	15.0	77	0.04	7.04
34	tert-Butyl Alcohol	2.293	1.865	18.7	74	0.05	6.05
35	Methyl tert-Butyl Ether	2.922	2.271	22.3	76	0.04	7.29
36	Vinyl Acetate	2.527	2.161	14.5	75	0.03	7.40
37	1,1-Dichloroethane	1.863	1.618	13.2	79	0.04	7.25
38	2-Butanone	0.480	0.435	9.4	78	0.03	7.66
39	Hexane	1.726	1.290	25.3	77	0.02	8.33
40	cis-1,2-Dichloroethene	1.406	1.232	12.4	77	0.02	8.13
41	Di-isopropyl Ether	0.787	0.740	6.0	79	0.02	8.33
42	Ethyl Acetate	0.328	0.302	7.9	78	0.02	8.37

Continuing Calibration Summary

Job Number: JC11091 **Sample:** V5W613-CC577
Account: EEENJF Equity Environmental Engineering **Lab FileID:** 5W15305.D
Project: 95 South 5th Street, Brooklyn, NY

43		Methyl Acrylate	1.927	1.677	13.0	76	0.02	8.36
44		Chloroform	2.205	1.962	11.0	78	0.02	8.44
45		2,4-Dimethylpentane	2.086	1.571	24.7	76	0.01	9.31
46		Tetrahydrofuran	0.479	0.431	10.0	77	0.02	8.90
47		1,1,1-Trichloroethane	2.184	1.881	13.9	79	0.01	9.55
48		1,2-Dichloroethane	1.309	1.128	13.8	75	0.01	9.26
49		Benzene	3.269	2.852	12.8	79	0.00	10.08
50		Carbon Tetrachloride	2.230	1.978	11.3	78	0.00	10.25
51		Cyclohexane	1.561	1.317	15.6	77	0.00	10.38
52		2,3-Dimethylpentane	0.676	0.609	9.9	79	0.00	10.67
53	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00	10.51
54		2,2,4-Trimethylpentane	1.466	1.298	11.5	80	-0.01	11.36
55		Heptane	0.284	0.262	7.7	80	-0.01	11.70
56		Trichloroethene	0.414	0.385	7.0	81	0.00	11.34
57		1,2-Dichloropropane	0.330	0.319	3.3	81	0.00	11.04
58		Dibromomethane	0.383	0.378	1.3	84	0.00	11.03
59		Ethyl Acrylate	0.692	0.589	14.9	77	0.00	11.08
60		Methyl Methacrylate	0.328	0.288	12.2	80	-0.01	11.61
61		1,4-Dioxane	0.211	0.198	6.2	82	0.00	11.36
62		Bromodichloromethane	0.674	0.632	6.2	80	0.00	11.30
63		cis-1,3-Dichloropropene	0.539	0.520	3.5	79	-0.02	12.42
64		4-Methyl-2-pentanone	0.259	0.249	3.9	79	-0.01	12.47
65		trans-1,3-Dichloropropene	0.442	0.430	2.7	76	-0.02	13.10
66		Toluene	1.060	0.979	7.6	79	-0.02	13.67
67		1,1,2-Trichloroethane	0.382	0.362	5.2	81	-0.02	13.31
68		2-Hexanone	0.369	0.345	6.5	77	-0.02	14.04
69		Ethyl Methacrylate	0.557	0.487	12.6	77	-0.02	14.08
70		Dibromochloromethane	0.701	0.690	1.6	83	-0.02	14.23
71		Tetrachloroethene	0.526	0.518	1.5	84	-0.03	15.19
72		1,2-Dibromoethane	0.594	0.580	2.4	80	-0.02	14.55
73		Octane	0.715	0.578	19.2	77	-0.02	15.02
74		1,1,1,2-Tetrachloroethane	0.463	0.458	1.1	83	-0.03	16.12
75	I	Chlorobenzene-d5	1.000	1.000	0.0	86	-0.03	16.08
76		Chlorobenzene	1.609	1.561	3.0	82	-0.04	16.13
77		Ethylbenzene	2.609	2.418	7.3	79	-0.04	16.68
78		m,p-Xylene	1.990	1.841	7.5	79	-0.04	16.95
79		Styrene	1.428	1.414	1.0	79	-0.04	17.47
80		Nonane	1.399	1.106	20.9	77	-0.04	18.01
81		o-Xylene	2.010	1.877	6.6	80	-0.04	17.63
82		Bromoform	1.324	1.340	-1.2	83	-0.03	17.03
83		1,1,2,2-Tetrachloroethane	1.604	1.627	-1.4	85	-0.04	17.63
84		1,2,3-Trichloropropane	1.165	1.086	6.8	79	-0.04	17.82
85		Isopropylbenzene	2.816	2.597	7.8	78	-0.04	18.54
86		Bromobenzene	0.935	0.912	2.5	81	-0.04	18.65
87		2-Chlorotoluene	0.713	0.679	4.8	82	-0.04	19.25
88		n-Propylbenzene	0.712	0.707	0.7	80	-0.03	19.32
89	S	4-Bromofluorobenzene	1.239	1.220	1.5	84	-0.04	18.32
90		4-Ethyltoluene	2.592	2.465	4.9	79	-0.03	19.54
91		1,3,5-Trimethylbenzene	2.231	2.053	8.0	79	-0.04	19.66
92		alpha-Methylstyrene	1.095	1.058	3.4	78	-0.03	19.89
93		tert-Butylbenzene	0.451	0.449	0.4	80	-0.03	20.23
94		1,2,4-Trimethylbenzene	2.238	2.145	4.2	80	-0.03	20.24
95		1,3-Dichlorobenzene	1.512	1.461	3.4	82	-0.03	20.43
96		Benzyl Chloride	1.999	1.904	4.8	78	-0.03	20.42
97		1,4-Dichlorobenzene	1.559	1.462	6.2	81	-0.03	20.53
98		sec-Butylbenzene	0.570	0.558	2.1	80	-0.03	20.61
99		p-Isopropyltoluene	0.646	0.661	-2.3	84	-0.02	20.84
100		1,2-Dichlorobenzene	1.411	1.371	2.8	82	-0.03	20.99

Continuing Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: V5W613-CC577
Lab FileID: 5W15305.D

101		n-Butylbenzene	0.584	0.560	4.1	78	-0.03	21.40
102		Hexachloroethane	0.858	0.873	-1.7	85	-0.03	21.87
103		1,2,4-Trichlorobenzene	0.824	0.814	1.2	79	-0.02	23.18
104		Naphthalene	1.843	1.718	6.8	77	-0.03	23.30
105		Hexachlorobutadiene	0.871	0.774	11.1	78	-0.02	23.76
106	I	Bromochloromethane (A)	1.000	1.000	0.0	90	0.02	8.30
107		TVHC as equiv Pentane	5.923	5.108	13.8	79	0.06	5.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5W14428.D m5w577.M Thu Dec 24 12:13:35 2015 GCMS5W

6.9.4

6

Initial Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Sample: VW2109-ICC2109
Lab FileID: W52775.D

Response Factor Report MSW

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration

Calibration Files
0.04=W52783.D 0.1 =W52782.D 0.2 =W52778.D 0.5 =W52777.D
5 =W52776.D 10 =W52775.D 20 =W52779.D 30 =W52784.D
15 =W52780.D 40 =W52786.D = =

Compound

	0.04	0.1	0.2	0.5	5	10	20	30	15	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------											
2) 1,1,1-TRIFLUOROETHANE	3.273	3.504	2.890	3.032	3.069	2.935	2.817	2.728	2.486	2.929	2.966	9.50
3) FREON 152A	0.701	0.994	0.897	0.981	0.955	0.945	0.943	0.878	0.806	0.973	0.907	10.12
4) CHLORODIFLUOROMETHANE		0.305	0.288	0.335	0.330	0.325	0.323	0.301	0.271	0.333	0.312	7.14
5) DICHLORODIFLUOROMETHANE	3.980	4.100	3.399	3.728	3.608	3.512	3.427	3.208	2.911	3.549	3.542	9.81
6) PROPYLENE			1.448	1.414	1.272	1.237	1.223	1.143	1.026	1.270	1.254	10.84
7) FREON 114	4.076	4.359	3.514	3.941	3.865	3.818	3.680	3.437	3.219	3.855	3.776	8.72
8) 1-CHLORO-1,1-DIFLUOROETHANE	2.523	2.595	2.233	2.457	2.416	2.407	2.380	2.233	2.001	2.475	2.372	7.31
9) CHLOROMETHANE		0.370	0.384	0.455	0.455	0.434	0.416	0.391	0.362	0.439	0.412	8.79
10) VINYL CHLORIDE	1.256	1.599	1.333	1.556	1.586	1.563	1.485	1.386	1.298	1.560	1.462	8.97
11) 1,3-BUTADIENE	1.098	1.237	1.053	1.187	1.184	1.188	1.150	1.078	0.997	1.211	1.138	6.85
12) n-BUTANE		0.370	0.304	0.341	0.349	0.336	0.318	0.296	0.276	0.337	0.325	9.01
13) BROMOMETHANE	0.992	1.413	1.195	1.309	1.350	1.315	1.251	1.163	1.110	1.321	1.242	10.23
14) CHLOROETHANE		0.747	0.662	0.721	0.803	0.785	0.746	0.697	0.673	0.792	0.736	7.03
15) DICHLOROFLUOROMETHANE	3.112	3.114	2.504	2.675	2.932	2.886	2.795	2.636	2.498	2.958	2.811	8.10
16) ACROLEIN		0.622	0.428	0.432	0.550	0.584	0.576	0.545	0.495	0.594	0.536	13.07
17) TRICHLOROFLUOROMETHANE	3.206	3.513	2.957	3.209	3.066	3.086	3.144	2.969	2.675	3.260	3.108	7.11
18) ISOPROPYL ALCOHOL			0.359	0.254	0.336	0.369	0.391	0.378	0.318	0.395	0.350	13.33
19) ACETONE		0.620	0.466	0.472	0.590	0.657	0.649	0.623	0.562	0.708	0.594	13.80
20) 1,1-DICHLORO-1-FLUOROETHANE	2.883	3.009	2.464	2.579	2.689	2.691	2.757	2.636	2.334	2.891	2.693	7.60
21) ACRYLONITRILE		0.718	0.548	0.585	0.942	1.013	1.059	0.994	0.876	1.112	0.872	23.76
22) PENTANE		0.444	0.367	0.404	0.396	0.393	0.389	0.362	0.333	0.405	0.388	8.10
23) IODOMETHANE												

Initial Calibration Summary

Job Number: JC11091 **Sample:** VW2109-ICC2109
Account: EEENJF Equity Environmental Engineering **Lab FileID:** W52775.D
Project: 95 South 5th Street, Brooklyn, NY

```
      3.393 3.863 3.349 3.556 3.627 3.622 3.640 3.427 3.160 3.804  3.544    6.05
24)  1,1-DICHLOROETHYLENE
                  1.609 1.599 1.455 1.461 1.460 1.377 1.259 1.515  1.467    7.81
25)  CARBON DISULFIDE
                  4.316 4.421 4.185 4.160 4.215 3.948 3.515 4.336  4.137    6.98
26)  ETHANOL
                  0.581 0.546 0.517 0.537 0.521 0.493 0.466 0.554  0.527    6.87
27)  ACETONITRILE
                  0.870 0.720 0.909 0.976 1.008 0.961 0.877 1.026  0.918   10.76
28)  BROMOETHENE
      1.163 1.416 1.158 1.263 1.343 1.336 1.299 1.216 1.166 1.327  1.269    7.09
29)  METHYLENE CHLORIDE
      1.484 1.555 1.231 1.228 1.311 1.305 1.330 1.248 1.120 1.382  1.319    9.72
30)  3-CHLOROPROPENE
            0.619 0.510 0.581 0.714 0.715 0.729 0.691 0.616 0.766  0.660   12.59
31)  FREON 113
      2.433 2.394 2.072 2.239 2.419 2.408 2.444 2.299 2.078 2.547  2.333    6.82
32)  TRANS-1,2-DICHLOROETHYLENE
                  1.575 1.550 1.480 1.441 1.495 1.415 1.253 1.575  1.473    7.27
33)  TERTIARY BUTYL ALCOHOL
      2.029 2.375 1.998 2.196 2.489 2.773 2.981 2.825 2.403 2.856  2.492   14.21
34)  METHYL TERTIARY BUTYL ETHER
      4.198 4.048 3.031 2.853 3.575 3.843 4.090 3.884 3.367 4.307  3.720   13.39
35)  TETRAHYDROFURAN
                  0.327 0.410 0.644 0.695 0.752 0.720 0.616 0.807  0.621   27.09
36)  HEXANE
      2.167 2.396 1.991 2.144 2.407 2.423 2.493 2.366 2.051 2.614  2.305    8.86
37)  VINYL ACETATE
                  0.150 0.217 0.369 0.394 0.421 0.404 0.347 0.447  0.343   30.55
38)  1,1-DICHLOROETHANE
      2.210 2.440 2.062 2.179 2.597 2.597 2.659 2.509 2.205 2.777  2.423   10.03
39)  METHYL ETHYL KETONE
                  0.329 0.417 0.622 0.695 0.764 0.729 0.619 0.816  0.624   27.24
40)  cis-1,2-DICHLOROETHYLENE
                  1.585 1.457 1.541 1.536 1.592 1.512 1.321 1.676  1.527    6.89
41)  DI-ISOPROPYL ETHER
                  0.830 0.854 1.140 1.237 1.341 1.272 1.092 1.417  1.148   18.75
42)  ETHYL ACETATE
                  0.230 0.279 0.430 0.469 0.509 0.484 0.411 0.537  0.419   26.25
43)  METHYL ACRYLATE
                  1.546 1.736 2.410 2.634 2.852 2.710 2.317 2.995  2.400   21.63
44)  CHLOROFORM
      2.322 2.779 2.242 2.251 2.784 2.763 2.861 2.712 2.359 3.007  2.608   10.88
45)  2,4-DIMETHYLPENTANE
      2.287 2.663 2.139 2.355 2.814 2.828 2.914 2.767 2.381 3.084  2.623   11.89
46)  1,1,1-TRICHLOROETHANE
      2.397 2.753 2.250 2.371 2.773 2.778 2.878 2.726 2.377 3.024  2.633    9.91
47)  CARBON TETRACHLORIDE
      2.671 2.855 2.412 2.574 2.858 2.853 2.997 2.848 2.469 3.171  2.771    8.56
48)  1,2-DICHLOROETHANE
                  1.036 1.116 1.587 1.630 1.710 1.622 1.388 1.802  1.486   18.85

49) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
50)  BENZENE
      0.953 0.947 0.867 0.767 1.058 0.967 0.998 0.966 0.903 1.011  0.944    8.67
51)  CYCLOHEXANE
                  0.525 0.450 0.473 0.427 0.439 0.425 0.400 0.445  0.448    8.42
52)  2,3-DIMETHYLPENTANE
      0.150 0.224 0.207 0.200 0.244 0.221 0.230 0.224 0.207 0.237  0.214   12.37
53)  TRICHLOROETHYLENE
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Initial Calibration Summary

Job Number: JC11091 **Sample:** VW2109-ICC2109
Account: EEENJF Equity Environmental Engineering **Lab FileID:** W52775.D
Project: 95 South 5th Street, Brooklyn, NY

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      0.332 0.466 0.399 0.378 0.430 0.390 0.409 0.398 0.371 0.413  0.399    8.99
54)  DIBROMOMETHANE
      0.305 0.386 0.338 0.313 0.406 0.369 0.384 0.368 0.349 0.387  0.360    9.28
55)  1,2-DICHLOROPROPANE
      0.297 0.339 0.298 0.266 0.368 0.335 0.357 0.346 0.317 0.362  0.329   10.10
56)  ETHYL ACRYLATE
                  0.407 0.401 0.564 0.604 0.679 0.669 0.592 0.703  0.577   20.22
57)  BROMODICHLOROMETHANE
      0.535 0.631 0.594 0.526 0.686 0.621 0.653 0.634 0.586 0.660  0.613    8.55
58)  2,2,4-TRIMETHYLPENTANE
      1.526 1.697 1.447 1.367 1.664 1.517 1.604 1.567 1.439 1.637  1.547    6.92
59)  1,4-DIOXANE
                  0.118 0.126 0.171 0.180 0.206 0.203 0.180 0.210  0.174   20.24
60)  METHYL METHACRYLATE
                  0.216 0.222 0.319 0.322 0.360 0.352 0.318 0.371  0.310   19.27
61)  HEPTANE
      0.596 0.614 0.547 0.512 0.587 0.539 0.568 0.556 0.502 0.579  0.560    6.45
62)  METHYL ISOBUTYL KETONE
            0.440 0.461 0.395 0.500 0.559 0.646 0.629 0.538 0.657  0.536   17.71
63)  cis-1,3-DICHLOROPROPENE
      0.449 0.488 0.417 0.392 0.594 0.559 0.597 0.583 0.529 0.618  0.522   15.60
64)  TOLUENE
      0.498 0.608 0.543 0.465 0.726 0.674 0.727 0.710 0.646 0.745  0.634   16.04
65)  trans-1,3-DICHLOROPROPENE
      0.277 0.356 0.335 0.293 0.453 0.440 0.483 0.473 0.419 0.501  0.403   20.23
66)  1,1,2-TRICHLOROETHANE
            0.233 0.228 0.208 0.325 0.305 0.326 0.318 0.291 0.337  0.286   17.18

67) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
68)  ETHYL METHACRYLATE
                  0.865 0.811 1.032 1.099 1.161 1.100 1.078 1.116  1.033   12.23
69)  2-HEXANONE
                  0.490 0.469 0.652 0.674 0.723 0.684 0.652 0.703  0.631   15.30
70)  TETRACHLOROETHYLENE
      0.959 1.123 1.166 0.928 1.084 0.945 0.913 0.858 0.896 0.874  0.975   11.22
71)  DIBROMOCHLOROMETHANE
      1.010 1.338 1.407 1.136 1.558 1.387 1.353 1.270 1.301 1.294  1.305   11.45
72)  1,2-DIBROMOETHANE
      0.760 1.053 0.995 0.861 1.252 1.139 1.136 1.069 1.096 1.096  1.046   13.64
73)  OCTANE
      1.581 1.709 1.651 1.410 1.760 1.598 1.568 1.483 1.506 1.507  1.577    6.81
74)  1,1,1,2-TETRACHLOROETHANE
      0.751 0.881 0.973 0.787 1.114 0.996 0.982 0.921 0.949 0.936  0.929   11.23
75)  CHLOROBENZENE
      1.652 1.783 1.865 1.498 2.055 1.848 1.831 1.724 1.768 1.763  1.779    8.16
76)  ETHYLBENZENE
      2.690 2.912 2.801 2.214 3.132 2.856 2.865 2.718 2.747 2.744  2.768    8.41
77)  m,p-XYLENE
      0.922 1.180 1.116 0.937 1.298 1.182 1.191 1.111 1.142 1.122  1.120   10.19
78)  o-XYLENE
      0.839 0.994 1.018 0.847 1.207 1.102 1.116 1.039 1.060 1.043  1.026   11.09
79)  STYRENE
            1.356 1.398 1.178 1.932 1.791 1.836 1.721 1.744 1.746  1.633   15.72
80)  1,2,3-TRICHLOROPROPANE
      1.055 1.187 1.129 0.928 1.209 1.134 1.157 1.079 1.093 1.086  1.106    7.18
81)  NONANE
                  0.984 1.090 1.690 1.596 1.596 1.486 1.511 1.486  1.430   17.75
82)  BROMOFORM
      0.927 1.110 1.197 1.002 1.440 1.312 1.322 1.238 1.260 1.257  1.206   12.81
83)  4-BROMOFLUOROBENZENE
```

Initial Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Sample: VW2109-ICC2109
Lab FileID: W52775.D

```
      1.014 1.066 1.059 1.116 1.181 1.186 1.176 1.126 1.166 1.051  1.114    5.65
 84)  1,1,2,2-TETRACHLOROETHANE
      1.003 1.396 1.397 1.207 1.677 1.562 1.603 1.500 1.509 1.510  1.436   13.91
 85)  ISOPROPYLBENZENE
      2.860 3.186 3.167 2.486 3.518 3.245 3.321 3.090 3.132 3.094  3.110    8.91
 86)  BROMOBENZENE
      0.721 0.919 0.860 0.735 1.066 0.983 1.008 0.940 0.952 0.949  0.913   12.23
 87)  2-CHLOROTOLUENE
      0.533 0.747 0.695 0.580 0.844 0.770 0.792 0.738 0.747 0.742  0.719   13.17
 88)  n-PROPYLBENZENE
             0.700 0.704 0.611 0.918 0.866 0.896 0.834 0.842 0.839  0.801   13.01
 89)  4-ETHYLTOLUENE
      2.207 2.355 2.181 1.934 2.854 2.751 2.859 2.660 2.675 2.709  2.519   12.85
 90)  1,3,5-TRIMETHYLBENZENE
      2.050 2.268 2.330 1.859 2.769 2.575 2.648 2.438 2.468 2.379  2.378   11.46
 91)  ALPHA-METHYLSTYRENE
                   0.862 0.746 1.251 1.206 1.265 1.178 1.176 1.181  1.108   17.42
 92)  TERT-BUTYLBENZENE
                   0.540 0.440 0.647 0.616 0.641 0.593 0.598 0.594  0.584   11.47
 93)  1,2,4-TRIMETHYLBENZENE
      1.821 1.884 1.960 1.658 2.465 2.353 2.451 2.271 2.277 2.270  2.141   13.33
 94)  m-DICHLOROBENZENE
      1.352 1.297 1.148 0.971 1.478 1.357 1.488 1.384 1.331 1.370  1.318   11.71
 95)  BENZYL CHLORIDE
      1.339 1.401 1.323 1.157 1.640 1.675 1.847 1.752 1.668 1.779  1.558   14.99
 96)  p-DICHLOROBENZENE
      1.315 1.418 1.267 1.044 1.516 1.498 1.506 1.398 1.448 1.412  1.382   10.40
 97)  SEC-BUTYLBENZENE
                   0.599 0.494 0.757 0.717 0.750 0.690 0.692 0.691  0.674   12.96
 98)  p-ISOPROPYLTOLUENE
             0.596 0.573 0.495 0.767 0.738 0.783 0.719 0.724 0.720  0.679   14.67
 99)  o-DICHLOROBENZENE
      1.108 1.247 1.122 0.958 1.394 1.299 1.364 1.262 1.259 1.267  1.228   10.64
100)  n-BUTYLBENZENE
                   0.467 0.395 0.634 0.623 0.675 0.625 0.614 0.640  0.584   16.79
101)  HEXACHLOROETHANE
      0.750 0.801 0.829 0.682 1.030 0.935 0.953 0.886 0.892 0.883  0.864   11.79
102)  HEXACHLOROBUTADIENE
      0.827 0.873 0.831 0.632 0.881 0.813 0.947 0.951 0.782 0.970  0.851   11.74
103)  1,2,4-TRICHLOROBENZENE
      0.742 0.677 0.525 0.477 0.466 0.495 0.699 0.658 0.461 0.719  0.592   19.66
104)  NAPHTHALENE
      1.430 1.273 0.905 0.987 1.072 1.118 1.549 1.699 1.122        1.240   21.66
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MW2109.M          Mon Dec 07 11:04:51 2015   MSW
```

6.9.5

6

Initial Calibration Verification

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Sample: VW2109-ICV2109
Lab FileID: W52789.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W52789.D
Acq On : 4 Dec 2015 8:00 pm
Sample : ICV2109-10
Misc : MS95274,VW2109,,,,,1
MS Integration Params: rteint.p

Vial: 4
Operator: YOUMINH
Inst : MSW
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	0.00
2	1,1,1-TRIFLUOROETHANE	2.966	0.000	100.0#	0#	-4.98#
3	FREON 152A	0.907	0.886	2.3	91	0.00
4	CHLORODIFLUOROMETHANE	0.312	0.303	2.9	90	-0.01
5	DICHLORODIFLUOROMETHANE	3.542	3.331	6.0	92	0.00
6	PROPYLENE	1.254	1.172	6.5	92	0.00
7	FREON 114	3.776	3.625	4.0	92	-0.01
8	1-CHLORO-1,1-DIFLUOROETHANE	2.372	2.409	-1.6	97	-0.01
9	CHLOROMETHANE	0.412	0.410	0.5	91	-0.01
10	VINYL CHLORIDE	1.462	1.460	0.1	90	0.00
11	1,3-BUTADIENE	1.138	1.113	2.2	90	0.00
12	n-BUTANE	0.325	0.315	3.1	91	-0.01
13	BROMOMETHANE	1.242	1.238	0.3	91	-0.01
14	CHLOROETHANE	0.736	0.725	1.5	89	0.00
15	DICHLOROFLUOROMETHANE	2.811	2.671	5.0	89	-0.01
16	ACROLEIN	0.536	0.499	6.9	82	-0.01
17	TRICHLOROFLUOROMETHANE	3.108	2.932	5.7	92	0.00
18	ISOPROPYL ALCOHOL	0.350	0.328	6.3	86	-0.02
19	ACETONE	0.594	0.572	3.7	84	0.00
20	1,1-DICHLORO-1-FLUOROETHANE	2.693	0.000	100.0#	0#	-6.85#
21	ACRYLONITRILE	0.872	0.913	-4.7	87	0.00
22	PENTANE	0.388	0.357	8.0	88	0.00
23	IODOMETHANE	3.544	3.347	5.6	89	0.00
24	1,1-DICHLOROETHYLENE	1.467	1.346	8.2	89	0.00
25	CARBON DISULFIDE	4.137	3.931	5.0	91	-0.01
26	ETHANOL	0.527	0.482	8.5	87	-0.02
27	ACETONITRILE	0.918	0.896	2.4	89	-0.01
28	BROMOETHENE	1.269	1.247	1.7	90	-0.01
29	METHYLENE CHLORIDE	1.319	1.219	7.6	90	0.00
30	3-CHLOROPROPENE	0.660	0.657	0.5	89	-0.01
31	FREON 113	2.333	2.245	3.8	90	0.00
32	TRANS-1,2-DICHLOROETHYLENE	1.473	1.386	5.9	93	-0.01
33	TERTIARY BUTYL ALCOHOL	2.492	2.463	1.2	86	0.00
34	METHYL TERTIARY BUTYL ETHER	3.720	3.535	5.0	89	0.00
35	TETRAHYDROFURAN	0.621	0.638	-2.7	89	0.00
36	HEXANE	2.305	2.249	2.4	90	0.00
37	VINYL ACETATE	0.343	0.362	-5.5	89	0.00
38	1,1-DICHLOROETHANE	2.423	2.407	0.7	90	0.00
39	METHYL ETHYL KETONE	0.624	0.630	-1.0	88	0.00
40	cis-1,2-DICHLOROETHYLENE	1.527	1.463	4.2	92	0.00
41	DI-ISOPROPYL ETHER	1.148	1.122	2.3	88	0.00
42	ETHYL ACETATE	0.419	0.423	-1.0	87	0.00

Initial Calibration Verification

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: VW2109-ICV2109
Lab FileID: W52789.D

43		METHYL ACRYLATE	2.400	2.425	-1.0	89	0.00
44		CHLOROFORM	2.608	2.622	-0.5	92	0.00
45		2,4-DIMETHYLPENTANE	2.623	2.591	1.2	89	0.00
46		1,1,1-TRICHLOROETHANE	2.633	2.611	0.8	91	0.00
47		CARBON TETRACHLORIDE	2.771	2.703	2.5	92	0.00
48		1,2-DICHLOROETHANE	1.486	1.517	-2.1	90	0.00
49	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00
50		BENZENE	0.944	0.894	5.3	88	0.00
51		CYCLOHEXANE	0.448	0.399	10.9	89	-0.01
52		2,3-DIMETHYLPENTANE	0.214	0.204	4.7	88	0.00
53		TRICHLOROETHYLENE	0.399	0.367	8.0	90	0.00
54		DIBROMOMETHANE	0.360	0.345	4.2	90	0.00
55		1,2-DICHLOROPROPANE	0.329	0.320	2.7	91	0.00
56		ETHYL ACRYLATE	0.577	0.554	4.0	88	0.00
57		BROMODICHLOROMETHANE	0.613	0.589	3.9	91	0.00
58		2,2,4-TRIMETHYLPENTANE	1.547	1.405	9.2	89	0.00
59		1,4-DIOXANE	0.174	0.163	6.3	87	0.00
60		METHYL METHACRYLATE	0.310	0.300	3.2	89	0.00
61		HEPTANE	0.560	0.495	11.6	88	0.00
62		METHYL ISOBUTYL KETONE	0.536	0.498	7.1	85	0.00
63		cis-1,3-DICHLOROPROPENE	0.522	0.491	5.9	84	0.00
64		TOLUENE	0.634	0.636	-0.3	90	0.00
65		trans-1,3-DICHLOROPROPENE	0.403	0.404	-0.2	88	0.00
66		1,1,2-TRICHLOROETHANE	0.286	0.288	-0.7	90	0.00
67	I	CHLOROBENZENE-D5	1.000	1.000	0.0	96	0.00
68		ETHYL METHACRYLATE	1.033	1.005	2.7	88	0.00
69		2-HEXANONE	0.631	0.604	4.3	86	0.00
70		TETRACHLOROETHYLENE	0.975	0.894	8.3	91	0.00
71		DIBROMOCHLOROMETHANE	1.305	1.303	0.2	91	0.00
72		1,2-DIBROMOETHANE	1.046	1.068	-2.1	90	0.00
73		OCTANE	1.577	1.477	6.3	89	0.00
74		1,1,1,2-TETRACHLOROETHANE	0.929	0.934	-0.5	90	0.00
75		CHLOROBENZENE	1.779	1.720	3.3	90	0.00
76		ETHYLBENZENE	2.768	2.699	2.5	91	0.00
77		m,p-XYLENE	1.120	1.122	-0.2	92	0.00
78		o-XYLENE	1.026	1.064	-3.7	93	0.00
79		STYRENE	1.633	1.712	-4.8	92	0.00
80		1,2,3-TRICHLOROPROPANE	1.106	1.071	3.2	91	0.00
81		NONANE	1.430	1.500	-4.9	91	0.00
82		BROMOFORM	1.206	1.245	-3.2	92	0.00
83	S	4-BROMOFLUOROBENZENE	1.114	1.190	-6.8	97	0.00
84		1,1,2,2-TETRACHLOROETHANE	1.436	1.495	-4.1	92	0.00
85		ISOPROPYLBENZENE	3.110	3.094	0.5	92	0.00
86		BROMOBENZENE	0.913	0.939	-2.8	92	0.00
87		2-CHLOROTOLUENE	0.719	0.740	-2.9	93	0.00
88		n-PROPYLBENZENE	0.801	0.829	-3.5	92	0.00
89		4-ETHYLTOLUENE	2.519	2.651	-5.2	93	0.00
90		1,3,5-TRIMETHYLBENZENE	2.378	2.456	-3.3	92	0.00
91		ALPHA-METHYLSTYRENE	1.108	1.167	-5.3	93	0.00
92		TERT-BUTYLBENZENE	0.584	0.587	-0.5	92	0.00
93		1,2,4-TRIMETHYLBENZENE	2.141	2.268	-5.9	93	0.00
94		m-DICHLOROBENZENE	1.318	1.326	-0.6	94	0.00
95		BENZYL CHLORIDE	1.558	1.610	-3.3	93	0.00
96		p-DICHLOROBENZENE	1.382	1.430	-3.5	92	0.00
97		SEC-BUTYLBENZENE	0.674	0.688	-2.1	93	0.00
98		p-ISOPROPYLTOLUENE	0.679	0.714	-5.2	93	0.00
99		o-DICHLOROBENZENE	1.228	1.276	-3.9	95	0.00
100		n-BUTYLBENZENE	0.584	0.601	-2.9	93	0.00

Initial Calibration Verification

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Sample: VW2109-ICV2109
Lab FileID: W52789.D

101	HEXACHLOROETHANE	0.864	0.893	-3.4	92	0.00
102	HEXACHLOROBUTADIENE	0.851	0.814	4.3	97	0.00
103	1,2,4-TRICHLOROBENZENE	0.592	0.464	21.6	90	0.00
104	NAPHTHALENE	1.240	1.093	11.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W52775.D MW2109.M Mon Dec 07 11:04:48 2015 MSW

Continuing Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: VW2114-CC2109
Lab FileID: W52874.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\W52874.D                    Vial: 2
Acq On    : 10 Dec 2015   7:30 am                    Operator: YOUMINH
Sample    : CC2109-10                                Inst    : MSW
Misc      : MS95273,VW2114,,,,,1                     Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title        : TO15 by GCMS w/Rtx-1, 60m  X 0.32mm ID X 1.0 um
Last Update  : Mon Dec 07 09:56:45 2015
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  60%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 140%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	69	0.00
2	1,1,1-TRIFLUOROETHANE	2.966	2.670	10.0	63	0.00
3	FREON 152A	0.907	0.820	9.6	60	0.01
4	CHLORODIFLUOROMETHANE	0.312	0.308	1.3	66	0.00
5	DICHLORODIFLUOROMETHANE	3.542	3.202	9.6	63	0.01
6	PROPYLENE	1.254	1.120	10.7	63	0.00
7	FREON 114	3.776	3.341	11.5	61	0.00
8	1-CHLORO-1,1-DIFLUOROETHANE	2.372	2.285	3.7	66	0.00
9	CHLOROMETHANE	0.412	0.386	6.3	62	0.00
10	VINYL CHLORIDE	1.462	1.362	6.8	60	0.00
11	1,3-BUTADIENE	1.138	1.037	8.9	61	0.00
12	n-BUTANE	0.325	0.302	7.1	62	0.00
13	BROMOMETHANE	1.242	1.151	7.3	61	0.00
14	CHLOROETHANE	0.736	0.701	4.8	62	0.01
15	DICHLOROFLUOROMETHANE	2.811	2.690	4.3	65	0.00
16	ACROLEIN	0.536	0.510	4.9	61	0.00
17	TRICHLOROFLUOROMETHANE	3.108	3.093	0.5	70	0.00
18	ISOPROPYL ALCOHOL	0.350	0.385	-10.0	72	0.00
19	ACETONE	0.594	0.599	-0.8	63	0.00
20	1,1-DICHLORO-1-FLUOROETHANE	2.693	2.733	-1.5	70	0.00
21	ACRYLONITRILE	0.872	0.956	-9.6	65	0.00
22	PENTANE	0.388	0.360	7.2	63	0.00
23	IODOMETHANE	3.544	3.164	10.7	61	0.00
24	1,1-DICHLOROETHYLENE	1.467	1.308	10.8	62	0.00
25	CARBON DISULFIDE	4.137	3.872	6.4	65	0.00
26	ETHANOL	0.527	0.494	6.3	64	0.00
27	ACETONITRILE	0.918	0.934	-1.7	66	0.00
28	BROMOETHENE	1.269	1.192	6.1	62	0.00
29	METHYLENE CHLORIDE	1.319	1.224	7.2	65	0.00
30	3-CHLOROPROPENE	0.660	0.647	2.0	63	0.00
31	FREON 113	2.333	2.115	9.3	61	0.00
32	TRANS-1,2-DICHLOROETHYLENE	1.473	1.306	11.3	63	0.00
33	TERTIARY BUTYL ALCOHOL	2.492	2.552	-2.4	64	0.00
34	METHYL TERTIARY BUTYL ETHER	3.720	3.577	3.8	65	0.00
35	TETRAHYDROFURAN	0.621	0.626	-0.8	63	0.00
36	HEXANE	2.305	2.281	1.0	65	0.00
37	VINYL ACETATE	0.343	0.352	-2.6	62	0.00
38	1,1-DICHLOROETHANE	2.423	2.442	-0.8	65	0.00
39	METHYL ETHYL KETONE	0.624	0.623	0.2	62	0.00
40	cis-1,2-DICHLOROETHYLENE	1.527	1.398	8.4	63	0.00
41	DI-ISOPROPYL ETHER	1.148	1.118	2.6	63	0.00
42	ETHYL ACETATE	0.419	0.439	-4.8	65	0.00

Continuing Calibration Summary

Job Number: JC11091 **Sample:** VW2114-CC2109
Account: EEENJF Equity Environmental Engineering **Lab FileID:** W52874.D
Project: 95 South 5th Street, Brooklyn, NY

43		METHYL ACRYLATE	2.400	2.490	-3.8	66	0.00
44		CHLOROFORM	2.608	2.612	-0.2	66	0.00
45		2,4-DIMETHYLPENTANE	2.623	2.591	1.2	64	0.00
46		1,1,1-TRICHLOROETHANE	2.633	2.660	-1.0	66	0.00
47		CARBON TETRACHLORIDE	2.771	2.763	0.3	67	0.00
48		1,2-DICHLOROETHANE	1.486	1.607	-8.1	68	0.00
49	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	68	0.00
50		BENZENE	0.944	0.903	4.3	64	0.00
51		CYCLOHEXANE	0.448	0.395	11.8	63	0.00
52		2,3-DIMETHYLPENTANE	0.214	0.204	4.7	63	0.00
53		TRICHLOROETHYLENE	0.399	0.371	7.0	65	0.00
54		DIBROMOMETHANE	0.360	0.332	7.8	62	0.00
55		1,2-DICHLOROPROPANE	0.329	0.320	2.7	65	0.00
56		ETHYL ACRYLATE	0.577	0.556	3.6	63	0.00
57		BROMODICHLOROMETHANE	0.613	0.606	1.1	67	0.00
58		2,2,4-TRIMETHYLPENTANE	1.547	1.440	6.9	65	0.00
59		1,4-DIOXANE	0.174	0.167	4.0	63	0.00
60		METHYL METHACRYLATE	0.310	0.304	1.9	64	0.00
61		HEPTANE	0.560	0.520	7.1	66	0.00
62		METHYL ISOBUTYL KETONE	0.536	0.514	4.1	63	0.00
63		cis-1,3-DICHLOROPROPENE	0.522	0.521	0.2	64	0.00
64		TOLUENE	0.634	0.632	0.3	64	0.00
65		trans-1,3-DICHLOROPROPENE	0.403	0.412	-2.2	64	0.00
66		1,1,2-TRICHLOROETHANE	0.286	0.284	0.7	64	0.00
67	I	CHLOROBENZENE-D5	1.000	1.000	0.0	72	0.00
68		ETHYL METHACRYLATE	1.033	0.933	9.7	61	0.00
69		2-HEXANONE	0.631	0.587	7.0	63	0.00
70		TETRACHLOROETHYLENE	0.975	0.811	16.8	62	0.00
71		DIBROMOCHLOROMETHANE	1.305	1.235	5.4	64	0.00
72		1,2-DIBROMOETHANE	1.046	1.004	4.0	64	0.00
73		OCTANE	1.577	1.457	7.6	66	0.00
74		1,1,1,2-TETRACHLOROETHANE	0.929	0.883	5.0	64	0.00
75		CHLOROBENZENE	1.779	1.633	8.2	64	0.00
76		ETHYLBENZENE	2.768	2.543	8.1	64	0.00
77		m,p-XYLENE	1.120	1.062	5.2	65	0.00
78		o-XYLENE	1.026	0.990	3.5	65	0.00
79		STYRENE	1.633	1.595	2.3	64	0.00
80		1,2,3-TRICHLOROPROPANE	1.106	1.046	5.4	67	0.00
81		NONANE	1.430	1.503	-5.1	68	0.00
82		BROMOFORM	1.206	1.151	4.6	63	0.00
83	S	4-BROMOFLUOROBENZENE	1.114	1.163	-4.4	71	0.00
84		1,1,2,2-TETRACHLOROETHANE	1.436	1.430	0.4	66	0.00
85		ISOPROPYLBENZENE	3.110	2.938	5.5	65	0.00
86		BROMOBENZENE	0.913	0.860	5.8	63	0.00
87		2-CHLOROTOLUENE	0.719	0.680	5.4	64	0.00
88		n-PROPYLBENZENE	0.801	0.771	3.7	64	0.00
89		4-ETHYLTOLUENE	2.519	2.492	1.1	65	0.00
90		1,3,5-TRIMETHYLBENZENE	2.378	2.344	1.4	66	0.00
91		ALPHA-METHYLSTYRENE	1.108	1.072	3.2	64	0.00
92		TERT-BUTYLBENZENE	0.584	0.549	6.0	64	0.00
93		1,2,4-TRIMETHYLBENZENE	2.141	2.172	-1.4	67	0.00
94		m-DICHLOROBENZENE	1.318	1.214	7.9	65	0.00
95		BENZYL CHLORIDE	1.558	1.521	2.4	65	0.00
96		p-DICHLOROBENZENE	1.382	1.310	5.2	63	0.00
97		SEC-BUTYLBENZENE	0.674	0.639	5.2	64	0.00
98		p-ISOPROPYLTOLUENE	0.679	0.657	3.2	64	0.00
99		o-DICHLOROBENZENE	1.228	1.160	5.5	64	0.00
100		n-BUTYLBENZENE	0.584	0.552	5.5	64	0.00

Continuing Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: VW2114-CC2109
Lab FileID: W52874.D

101	HEXACHLOROETHANE	0.864	0.821	5.0	63	0.00
102	HEXACHLOROBUTADIENE	0.851	0.709	16.7	63	0.00
103	1,2,4-TRICHLOROBENZENE	0.592	0.415	29.9	61	0.00
104	NAPHTHALENE	1.240	0.966	22.1	62	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W52775.D MW2109.M Fri Dec 11 11:00:23 2015 MSW

Continuing Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Sample: VW2116-CC2109
Lab FileID: W52934.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\W52934.D                    Vial: 2
Acq On    : 15 Dec 2015  10:33 am                    Operator: YOUMINH
Sample    : CC2109-10                                Inst    : MSW
Misc      : MS95682,VW2116,,,,,1                     Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title        : TO15 by GCMS w/Rtx-1, 60m  X 0.32mm ID X 1.0 um
Last Update  : Mon Dec 07 09:56:45 2015
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  60%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 140%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	86	0.00
2	1,1,1-TRIFLUOROETHANE	2.966	0.000	100.0#	0#	-4.98#
3	FREON 152A	0.907	0.768	15.3	70	0.00
4	CHLORODIFLUOROMETHANE	0.312	0.281	9.9	74	0.00
5	DICHLORODIFLUOROMETHANE	3.542	2.881	18.7	70	0.00
6	PROPYLENE	1.254	0.976	22.2	67	0.00
7	FREON 114	3.776	3.058	19.0	69	0.00
8	1-CHLORO-1,1-DIFLUOROETHANE	2.372	0.000	100.0#	0#	-5.37#
9	CHLOROMETHANE	0.412	0.340	17.5	67	0.00
10	VINYL CHLORIDE	1.462	1.218	16.7	67	0.00
11	1,3-BUTADIENE	1.138	0.951	16.4	68	0.00
12	n-BUTANE	0.325	0.270	16.9	69	0.00
13	BROMOMETHANE	1.242	1.078	13.2	70	0.00
14	CHLOROETHANE	0.736	0.657	10.7	72	0.00
15	DICHLOROFLUOROMETHANE	2.811	2.559	9.0	76	0.00
16	ACROLEIN	0.536	0.512	4.5	75	0.00
17	TRICHLOROFLUOROMETHANE	3.108	2.940	5.4	81	0.00
18	ISOPROPYL ALCOHOL	0.350	0.392	-12.0	91	0.00
19	ACETONE	0.594	0.578	2.7	75	0.00
20	1,1-DICHLORO-1-FLUOROETHANE	2.693	0.000	100.0#	0#	-6.85#
21	ACRYLONITRILE	0.872	0.930	-6.7	79	0.00
22	PENTANE	0.388	0.334	13.9	73	0.00
23	IODOMETHANE	3.544	2.950	16.8	70	0.00
24	1,1-DICHLOROETHYLENE	1.467	1.155	21.3	68	0.00
25	CARBON DISULFIDE	4.137	3.259	21.2	67	0.00
26	ETHANOL	0.527	0.503	4.6	80	0.00
27	ACETONITRILE	0.918	0.918	0.0	80	0.00
28	BROMOETHENE	1.269	1.164	8.3	75	0.00
29	METHYLENE CHLORIDE	1.319	1.020	22.7	67	0.00
30	3-CHLOROPROPENE	0.660	0.570	13.6	68	0.00
31	FREON 113	2.333	1.998	14.4	71	0.00
32	TRANS-1,2-DICHLOROETHYLENE	1.473	1.162	21.1	69	0.00
33	TERTIARY BUTYL ALCOHOL	2.492	2.672	-7.2	82	0.00
34	METHYL TERTIARY BUTYL ETHER	3.720	3.470	6.7	77	0.00
35	TETRAHYDROFURAN	0.621	0.609	1.9	75	0.00
36	HEXANE	2.305	1.974	14.4	70	0.00
37	VINYL ACETATE	0.343	0.332	3.2	72	0.00
38	1,1-DICHLOROETHANE	2.423	2.172	10.4	72	0.00
39	METHYL ETHYL KETONE	0.624	0.596	4.5	73	0.00
40	cis-1,2-DICHLOROETHYLENE	1.527	1.242	18.7	69	0.00
41	DI-ISOPROPYL ETHER	1.148	1.065	7.2	74	0.00
42	ETHYL ACETATE	0.419	0.400	4.5	73	0.00

Continuing Calibration Summary

Job Number: JC11091 **Sample:** VW2116-CC2109
Account: EEENJF Equity Environmental Engineering **Lab FileID:** W52934.D
Project: 95 South 5th Street, Brooklyn, NY

43		METHYL ACRYLATE	2.400	2.330	2.9	76	0.00
44		CHLOROFORM	2.608	2.317	11.2	72	0.00
45		2,4-DIMETHYLPENTANE	2.623	2.345	10.6	71	0.00
46		1,1,1-TRICHLOROETHANE	2.633	2.434	7.6	75	0.00
47		CARBON TETRACHLORIDE	2.771	2.542	8.3	76	0.00
48		1,2-DICHLOROETHANE	1.486	1.508	-1.5	79	0.00
49	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	94	0.00
50		BENZENE	0.944	0.712	24.6	70	0.00
51		CYCLOHEXANE	0.448	0.318	29.0	70	0.00
52		2,3-DIMETHYLPENTANE	0.214	0.163	23.8	70	0.00
53		TRICHLOROETHYLENE	0.399	0.292	26.8	71	0.00
54		DIBROMOMETHANE	0.360	0.274	23.9	70	0.00
55		1,2-DICHLOROPROPANE	0.329	0.258	21.6	73	0.00
56		ETHYL ACRYLATE	0.577	0.517	10.4	81	0.00
57		BROMODICHLOROMETHANE	0.613	0.488	20.4	74	0.00
58		2,2,4-TRIMETHYLPENTANE	1.547	1.181	23.7	74	0.00
59		1,4-DIOXANE	0.174	0.147	15.5	77	-0.02
60		METHYL METHACRYLATE	0.310	0.266	14.2	78	0.00
61		HEPTANE	0.560	0.434	22.5	76	0.00
62		METHYL ISOBUTYL KETONE	0.536	0.514	4.1	87	0.00
63		cis-1,3-DICHLOROPROPENE	0.522	0.421	19.3	71	0.00
64		TOLUENE	0.634	0.509	19.7	71	0.00
65		trans-1,3-DICHLOROPROPENE	0.403	0.337	16.4	72	0.00
66		1,1,2-TRICHLOROETHANE	0.286	0.231	19.2	72	0.00
67	I	CHLOROBENZENE-D5	1.000	1.000	0.0	93	0.00
68		ETHYL METHACRYLATE	1.033	0.943	8.7	80	0.00
69		2-HEXANONE	0.631	0.592	6.2	82	0.00
70		TETRACHLOROETHYLENE	0.975	0.735	24.6	73	0.00
71		DIBROMOCHLOROMETHANE	1.305	1.073	17.8	72	0.00
72		1,2-DIBROMOETHANE	1.046	0.864	17.4	71	0.00
73		OCTANE	1.577	1.314	16.7	77	0.00
74		1,1,1,2-TETRACHLOROETHANE	0.929	0.792	14.7	74	0.00
75		CHLOROBENZENE	1.779	1.422	20.1	72	0.00
76		ETHYLBENZENE	2.768	2.270	18.0	74	0.00
77		m,p-XYLENE	1.120	0.936	16.4	74	0.00
78		o-XYLENE	1.026	0.874	14.8	74	0.00
79		STYRENE	1.633	1.406	13.9	73	0.00
80		1,2,3-TRICHLOROPROPANE	1.106	0.933	15.6	77	0.00
81		NONANE	1.430	1.366	4.5	80	0.00
82		BROMOFORM	1.206	1.039	13.8	74	0.00
83	S	4-BROMOFLUOROBENZENE	1.114	1.132	-1.6	89	0.00
84		1,1,2,2-TETRACHLOROETHANE	1.436	1.255	12.6	75	0.00
85		ISOPROPYLBENZENE	3.110	2.622	15.7	75	0.00
86		BROMOBENZENE	0.913	0.774	15.2	73	0.00
87		2-CHLOROTOLUENE	0.719	0.615	14.5	75	0.00
88		n-PROPYLBENZENE	0.801	0.697	13.0	75	0.00
89		4-ETHYLTOLUENE	2.519	2.213	12.1	75	0.00
90		1,3,5-TRIMETHYLBENZENE	2.378	2.126	10.6	77	0.00
91		ALPHA-METHYLSTYRENE	1.108	0.969	12.5	75	0.00
92		TERT-BUTYLBENZENE	0.584	0.506	13.4	77	0.00
93		1,2,4-TRIMETHYLBENZENE	2.141	1.953	8.8	77	0.00
94		m-DICHLOROBENZENE	1.318	1.124	14.7	77	0.00
95		BENZYL CHLORIDE	1.558	1.407	9.7	78	0.00
96		p-DICHLOROBENZENE	1.382	1.178	14.8	73	0.00
97		SEC-BUTYLBENZENE	0.674	0.589	12.6	77	0.00
98		p-ISOPROPYLTOLUENE	0.679	0.614	9.6	78	0.00
99		o-DICHLOROBENZENE	1.228	1.066	13.2	77	0.00
100		n-BUTYLBENZENE	0.584	0.527	9.8	79	0.00

Continuing Calibration Summary

Job Number: JC11091
Account: EEENJF Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY

Sample: VW2116-CC2109
Lab FileID: W52934.D

101	HEXACHLOROETHANE	0.864	0.785	9.1	78	0.00
102	HEXACHLOROBUTADIENE	0.851	0.709	16.7	81	0.00
103	1,2,4-TRICHLOROBENZENE	0.592	0.415	29.9	78	0.00
104	NAPHTHALENE	1.240	0.955	23.0	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W52775.D MW2109.M Wed Dec 16 11:56:31 2015 MSW

New Jersey

ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15318.D
Acq On : 23 Dec 2015 11:23 pm
Operator : THOMASH
Sample : JC11091-1
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 24 14:03:41 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

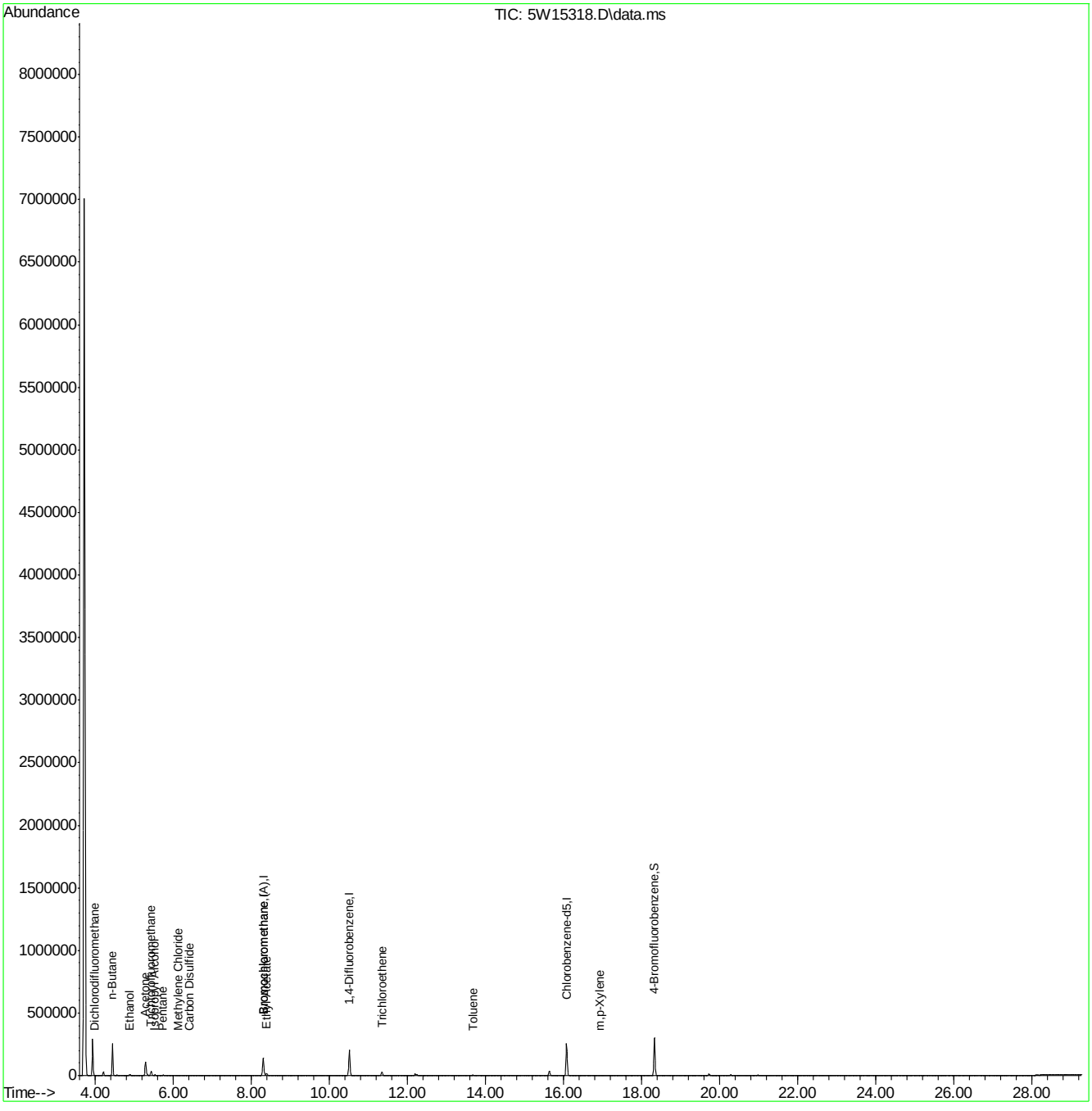
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.304	130	64689	10.00	ppb(v	0.02
53) 1,4-Difluorobenzene	10.506	114	218763	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.073	82	111922	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.304	130	64689	10.00	ppb(v	0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.318	95	142688	10.29	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.90%			
Target Compounds						Qvalue
6) Dichlorodifluoromethane	3.972	85	1882	0.11	ppb(v#	95
12) n-Butane	4.437	58	26238	27.04	ppb(v	94
20) Trichlorofluoromethane	5.428	101	32321	2.15	ppb(v	99
21) Acetone	5.281	58	46933	14.80	ppb(v	98
22) Pentane	5.734	57	322	0.18	ppb(v	85
25) Isopropyl Alcohol	5.520	45	6460	0.53	ppb(v#	88
28) Methylene Chloride	6.132	84	1385	0.21	ppb(v	94
29) Carbon Disulfide	6.413	76	3334	0.17	ppb(v	94
30) Ethanol	4.878	45	10631	4.07	ppb(v	98
42) Ethyl Acetate	8.383	61	4049	1.91	ppb(v	76
56) Trichloroethene	11.338	95	13041	1.44	ppb(v	98
66) Toluene	13.675	91	4840	0.21	ppb(v	98
78) m,p-Xylene	16.930	91	2902	0.13	ppb(v	95

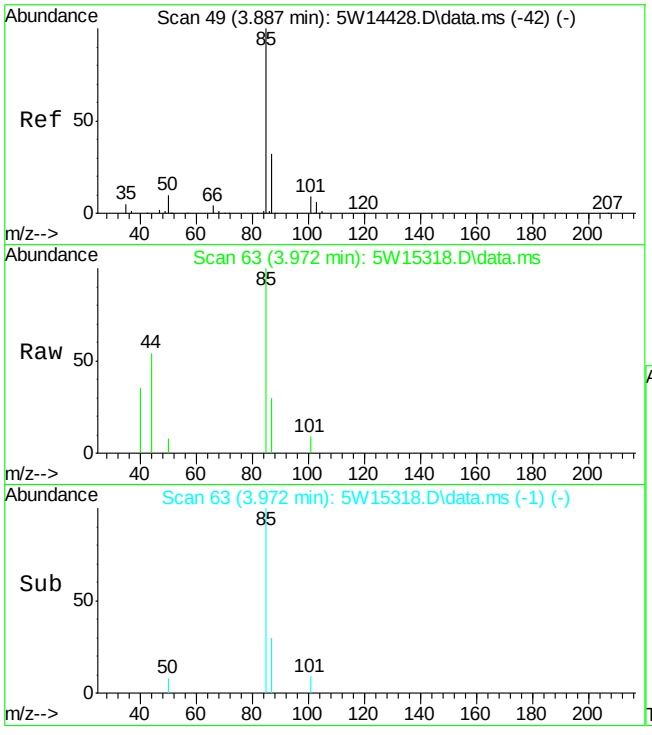
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15318.D
Acq On : 23 Dec 2015 11:23 pm
Operator : THOMASH
Sample : JC11091-1
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 24 14:03:41 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

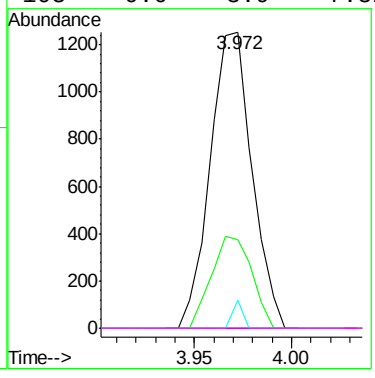


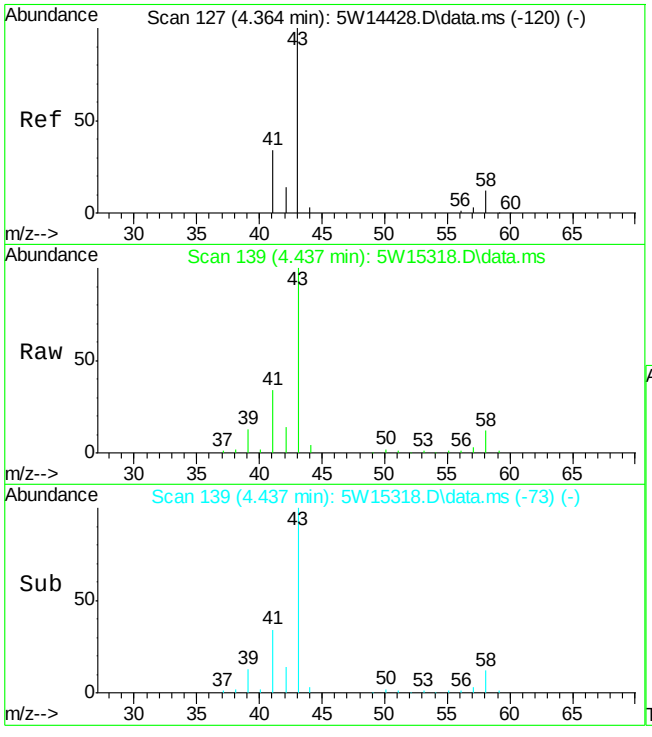


#6
Dichlorodifluoromethane
Concen: 0.11 ppb(v)
RT: 3.972 min Scan# 63
Delta R.T. 0.086 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 85 Resp: 1882

Ion	Ratio	Lower	Upper
85	100		
87	30.0	22.6	42.0
101	9.3	6.2	11.4
103	0.0	3.9	7.3#

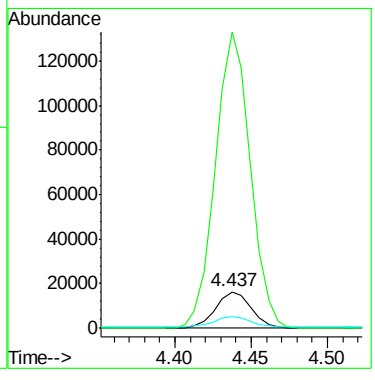


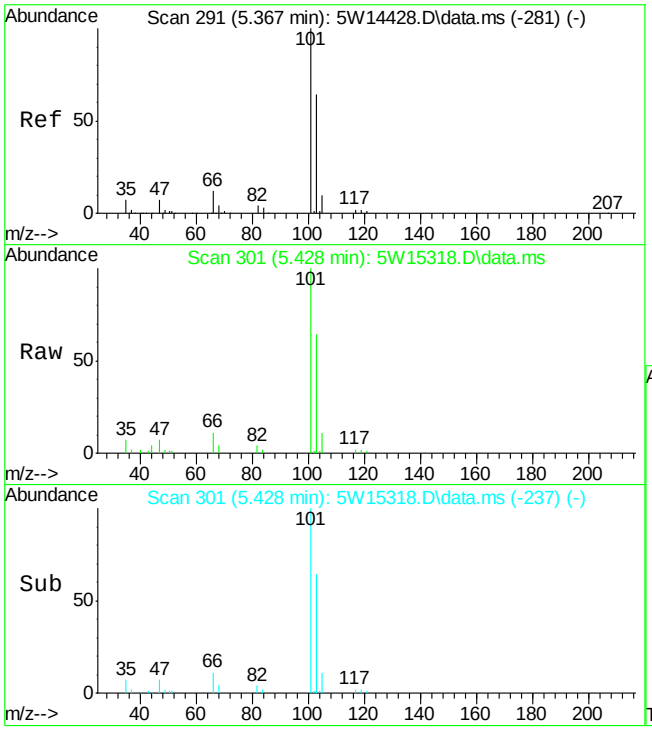


#12
n-Butane
Concen: 27.04 ppb(v)
RT: 4.437 min Scan# 139
Delta R.T. 0.073 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 58 Resp: 26238

Ion	Ratio	Lower	Upper
58	100		
43	811.3	583.0	1082.8
44	30.9	30.3	56.3

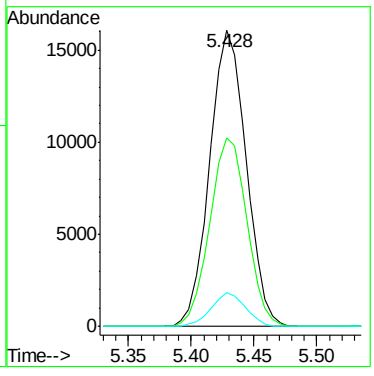


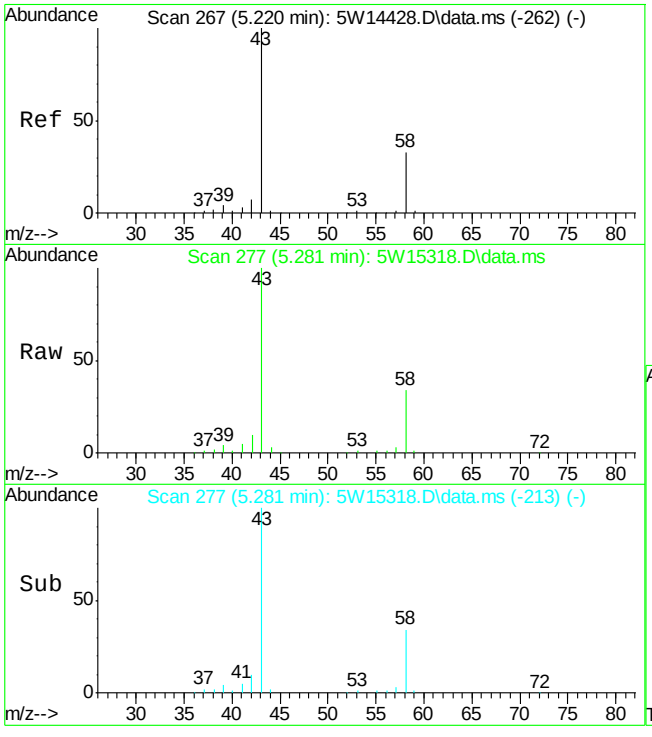


#20
Trichlorofluoromethane
Concen: 2.15 ppb(v)
RT: 5.428 min Scan# 301
Delta R.T. 0.061 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion:101 Resp: 32321

Ion	Ratio	Lower	Upper
101	100		
103	63.5	45.1	83.7
105	11.3	7.1	13.3

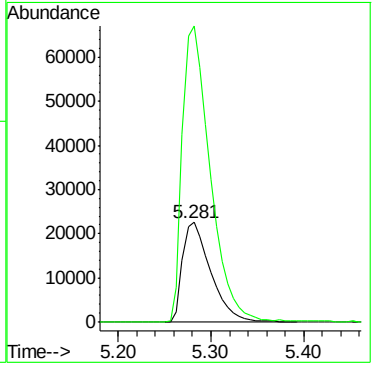


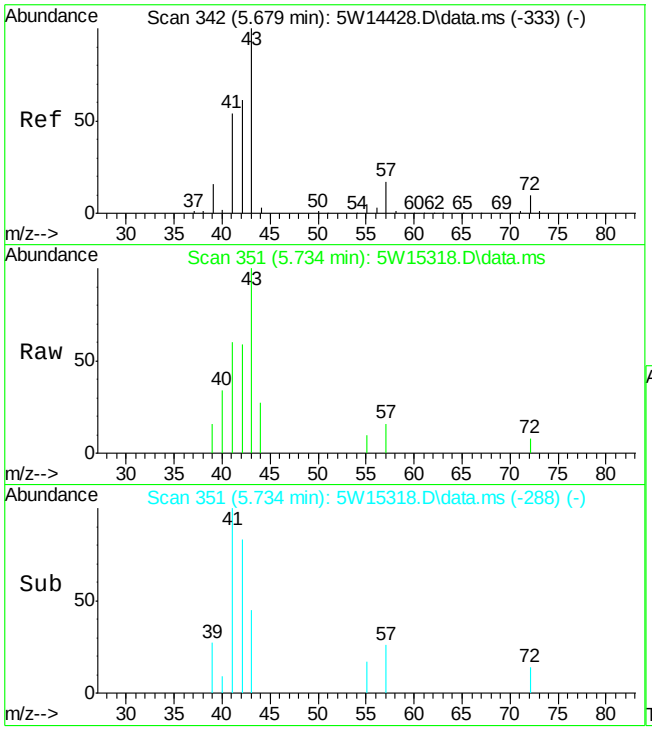


#21
Acetone
Concen: 14.80 ppb(v)
RT: 5.281 min Scan# 277
Delta R.T. 0.061 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 58 Resp: 46933

Ion	Ratio	Lower	Upper
58	100		
43	296.8	210.9	391.7

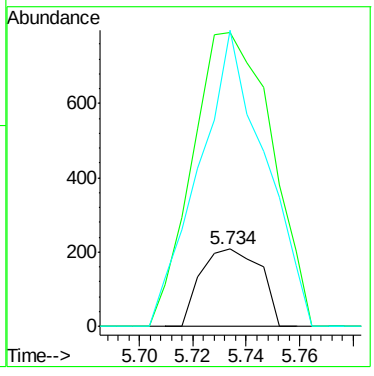


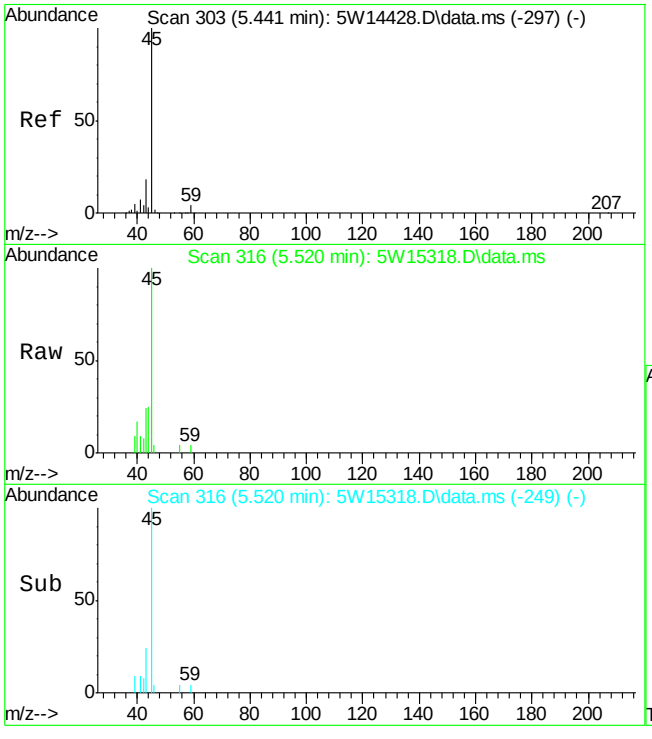


#22
Pentane
Concen: 0.18 ppb(v)
RT: 5.734 min Scan# 351
Delta R.T. 0.055 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 57 Resp: 322

Ion	Ratio	Lower	Upper
57	100		
42	379.8	259.0	481.0
41	383.2	227.7	422.9

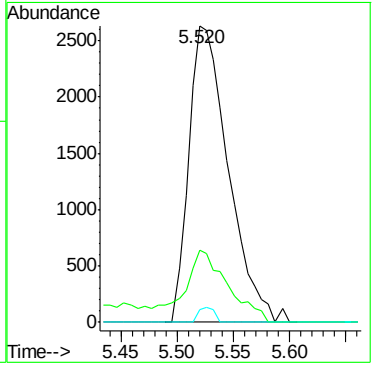


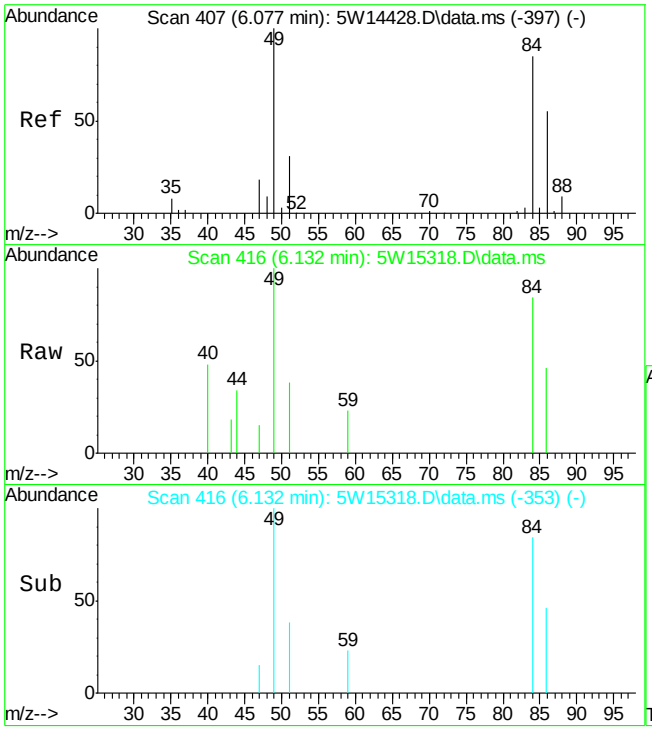


#25
Isopropyl Alcohol
Concen: 0.53 ppb(v)
RT: 5.520 min Scan# 316
Delta R.T. 0.079 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 45 Resp: 6460

Ion	Ratio	Lower	Upper
45	100		
43	24.2	12.6	23.4#
59	4.1	3.1	5.8

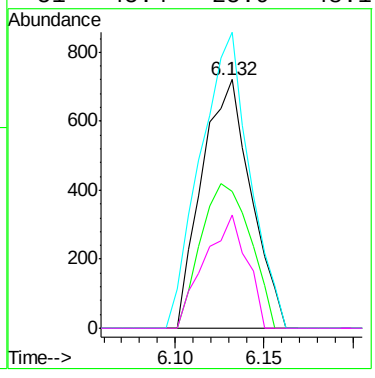


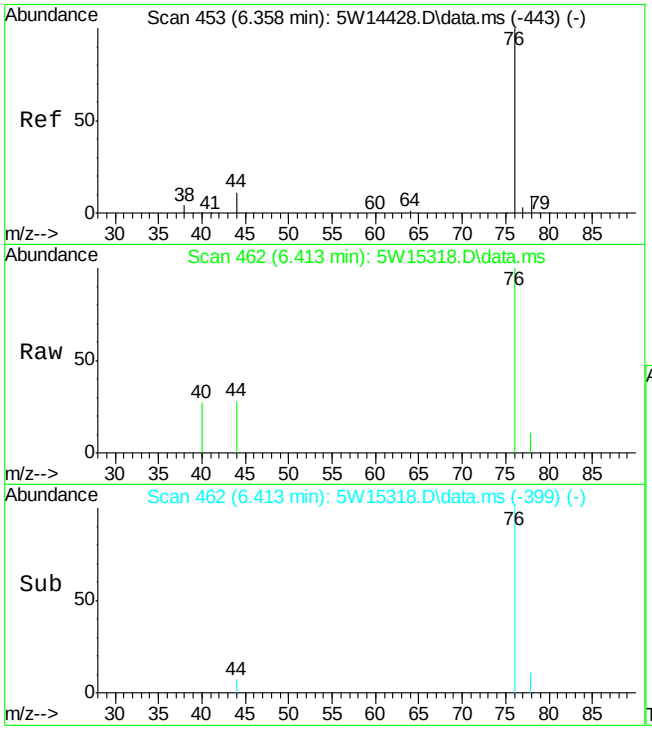


#28
Methylene Chloride
Concen: 0.21 ppb(v)
RT: 6.132 min Scan# 416
Delta R.T. 0.055 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 84 Resp: 1385

Ion	Ratio	Lower	Upper
84	100		
86	54.8	45.3	84.1
49	119.0	82.8	153.8
51	45.4	25.9	48.1

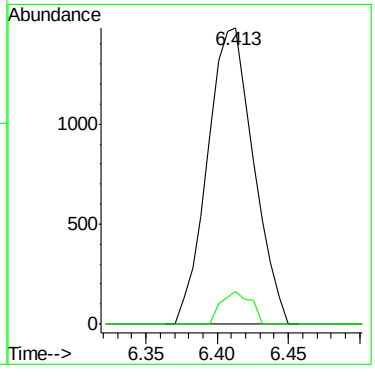


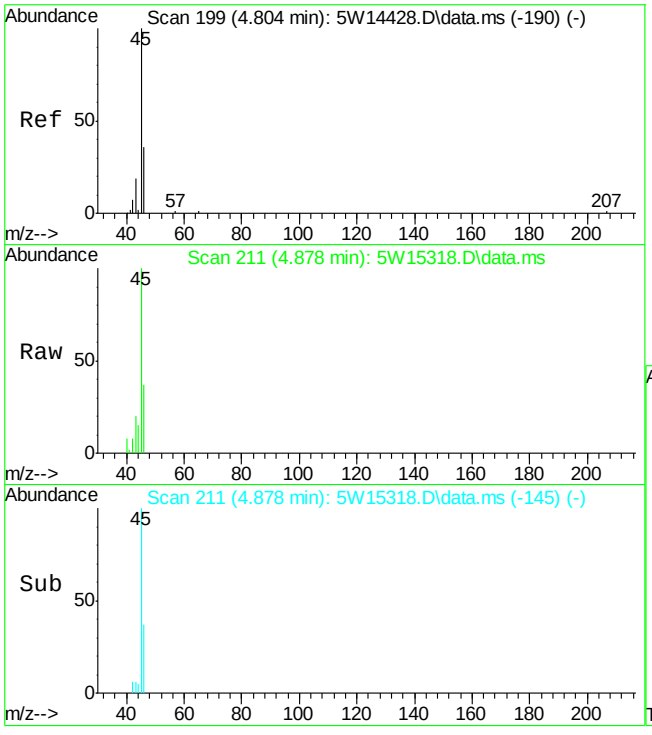


#29
Carbon Disulfide
Concen: 0.17 ppb(v)
RT: 6.413 min Scan# 462
Delta R.T. 0.055 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 76 Resp: 3334

Ion	Ratio	Lower	Upper
76	100		
78	11.1	6.4	11.8

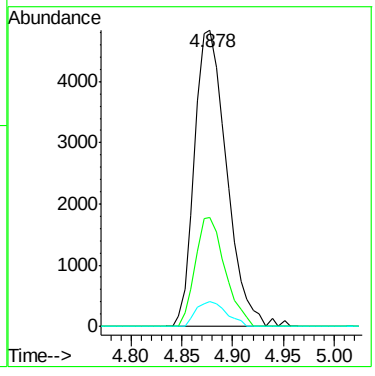


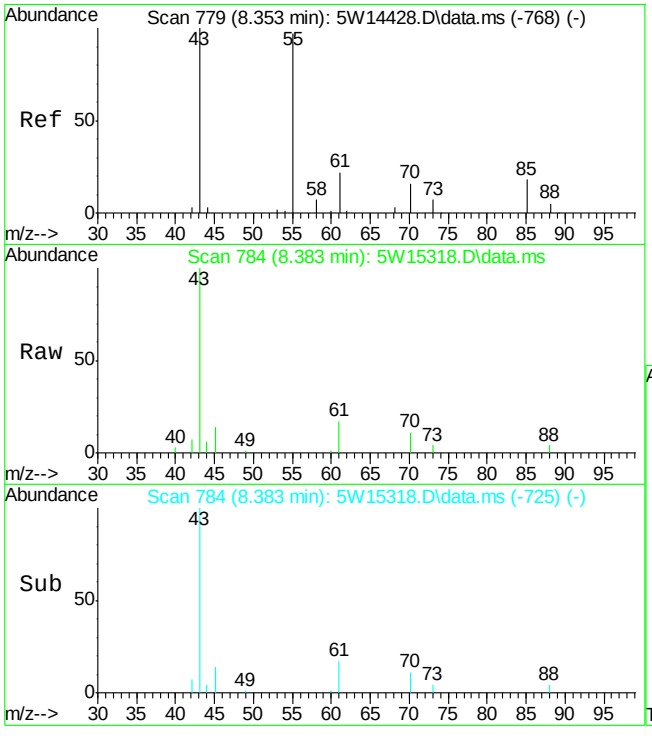


#30
Ethanol
Concen: 4.07 ppb(v)
RT: 4.878 min Scan# 211
Delta R.T. 0.074 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 45 Resp: 10631

Ion	Ratio	Lower	Upper
45	100		
46	36.8	24.9	46.3
42	8.4	5.5	10.3

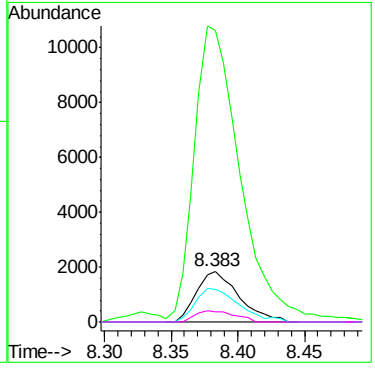


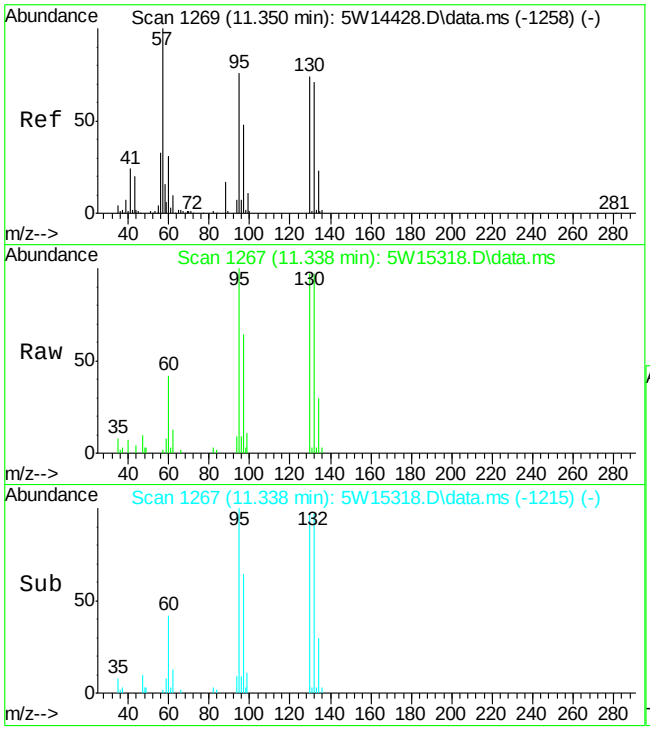


#42
Ethyl Acetate
Concen: 1.91 ppb(v)
RT: 8.383 min Scan# 784
Delta R.T. 0.030 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 61 Resp: 4049

Ion	Ratio	Lower	Upper
61	100		
43	576.4	463.2	860.2
70	63.8	51.2	95.2
88	21.0	17.6	32.6

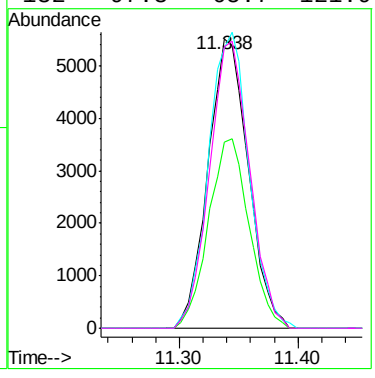


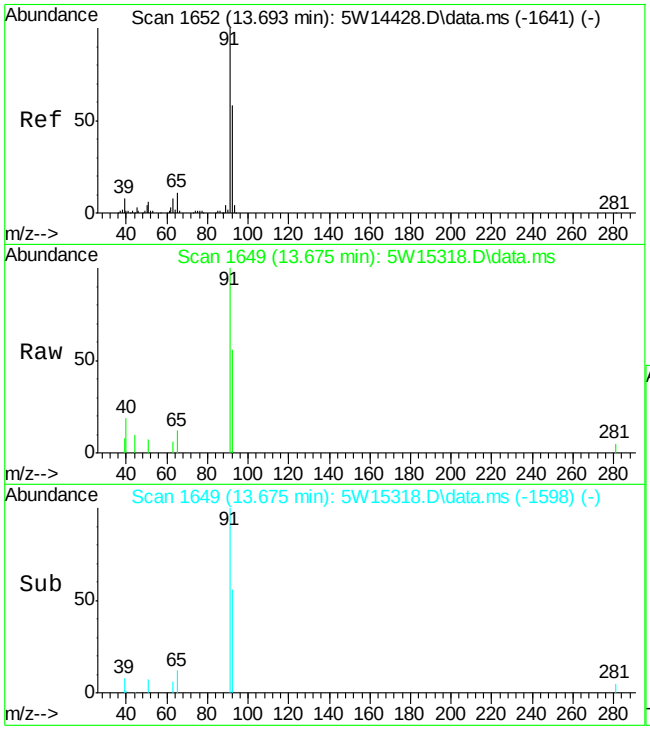


#56
Trichloroethene
Concen: 1.44 ppb(v)
RT: 11.338 min Scan# 1267
Delta R.T. -0.012 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 95 Resp: 13041

Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.5	82.7
130	96.8	68.7	127.7
132	97.3	65.7	121.9

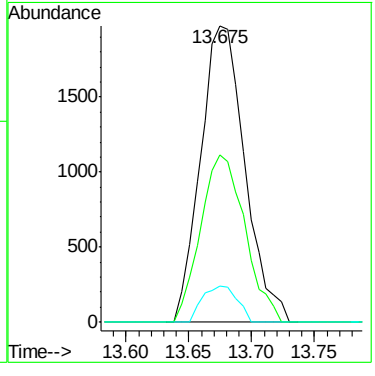


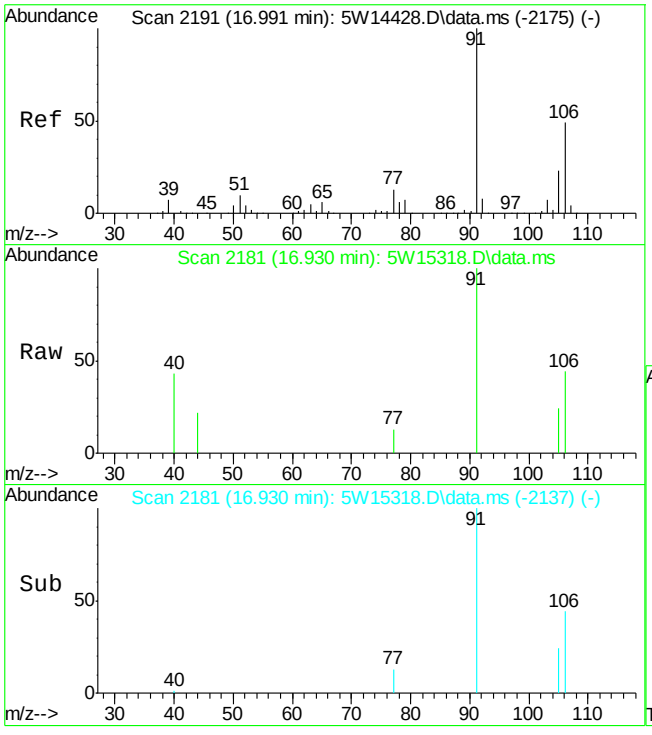


#66
Toluene
Concen: 0.21 ppb(v)
RT: 13.675 min Scan# 1649
Delta R.T. -0.018 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 91 Resp: 4840

Ion	Ratio	Lower	Upper
91	100		
92	56.4	40.5	75.3
65	12.3	7.8	14.4

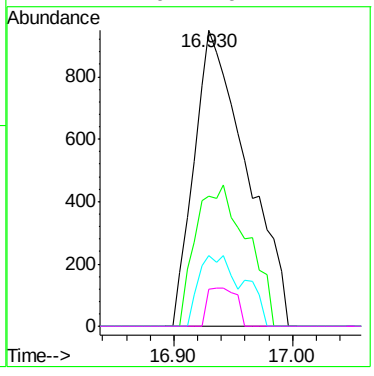




#78
m,p-Xylene
Concen: 0.13 ppb(v)
RT: 16.930 min Scan# 2181
Delta R.T. -0.061 min
Lab File: 5W15318.D
Acq: 23 Dec 2015 11:23 pm

Tgt Ion: 91 Resp: 2902

Ion	Ratio	Lower	Upper
91	100		
106	43.9	34.6	64.2
105	23.9	16.0	29.8
77	12.6	9.2	17.2



7.1.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15320.D
Acq On : 24 Dec 2015 12:50 am
Operator : THOMASH
Sample : JC11091-2
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 24 14:07:28 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

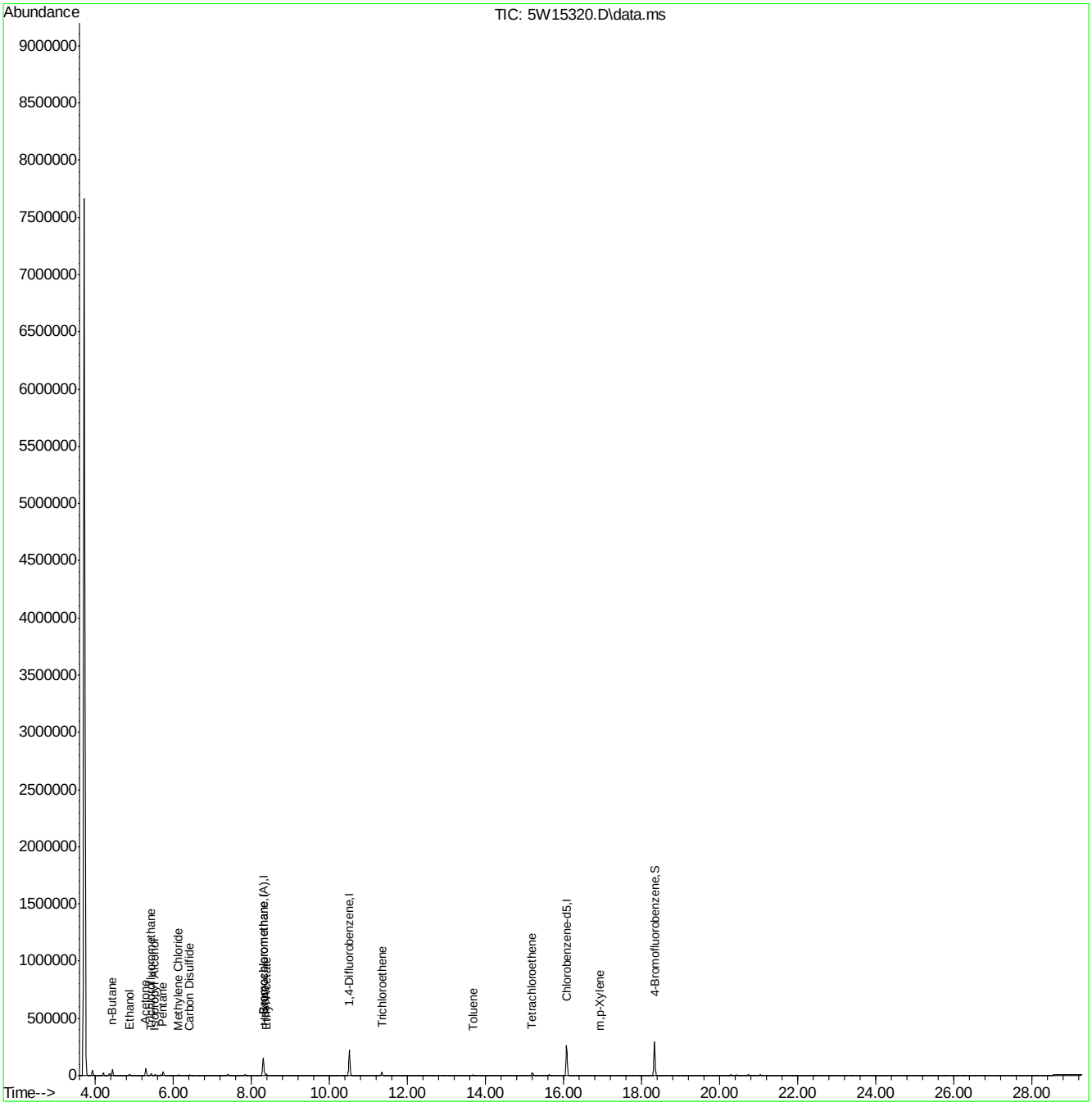
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.304	130	68498	10.00	ppb(v	0.02
53) 1,4-Difluorobenzene	10.506	114	229304	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.073	82	115143	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.304	130	68498	10.00	ppb(v	0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.324	95	141203	9.90	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.00%			
Target Compounds						Qvalue
12) n-Butane	4.437	58	5657	5.51	ppb(v	90
20) Trichlorofluoromethane	5.428	101	15763	0.99	ppb(v	96
21) Acetone	5.288	58	16713	4.98	ppb(v	75
22) Pentane	5.734	57	3672	1.90	ppb(v	86
25) Isopropyl Alcohol	5.520	45	7288	0.57	ppb(v	94
28) Methylene Chloride	6.126	84	2295	0.33	ppb(v	92
29) Carbon Disulfide	6.407	76	7543	0.36	ppb(v	99
30) Ethanol	4.872	45	12935	4.68	ppb(v	97
39) Hexane	8.328	57	5754	0.49	ppb(v#	50
42) Ethyl Acetate	8.383	61	2752	1.23	ppb(v	88
56) Trichloroethene	11.344	95	12539	1.32	ppb(v	96
66) Toluene	13.675	91	5308	0.22	ppb(v	98
71) Tetrachloroethene	15.186	166	10431	0.87	ppb(v	98
78) m,p-Xylene	16.930	91	4346	0.19	ppb(v	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

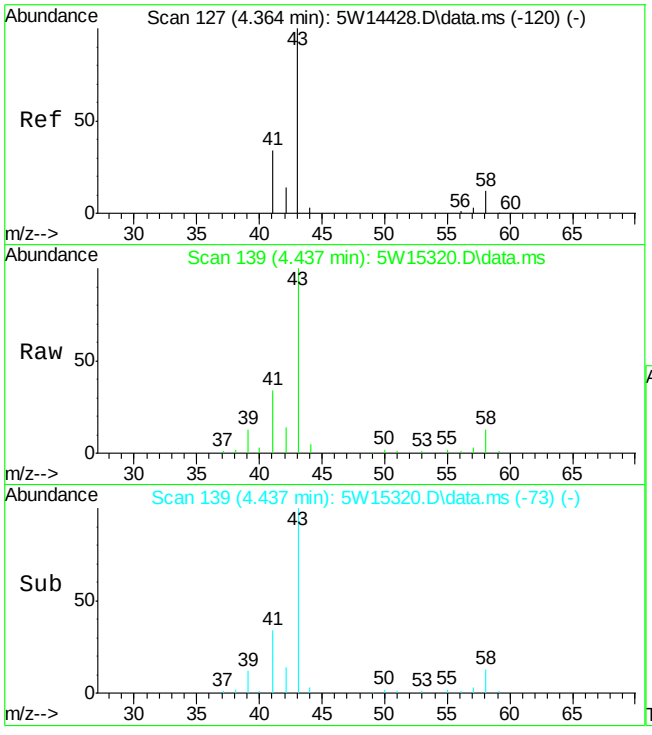
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15320.D
Acq On : 24 Dec 2015 12:50 am
Operator : THOMASH
Sample : JC11091-2
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 24 14:07:28 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



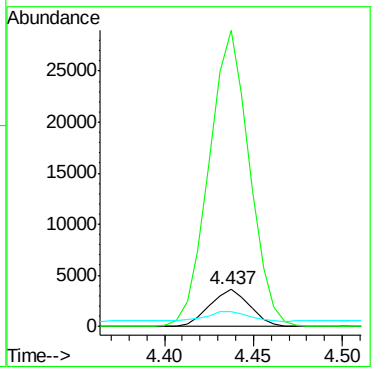
m5w577.M Thu Dec 24 14:07:32 2015 GCMS5W Page: 2

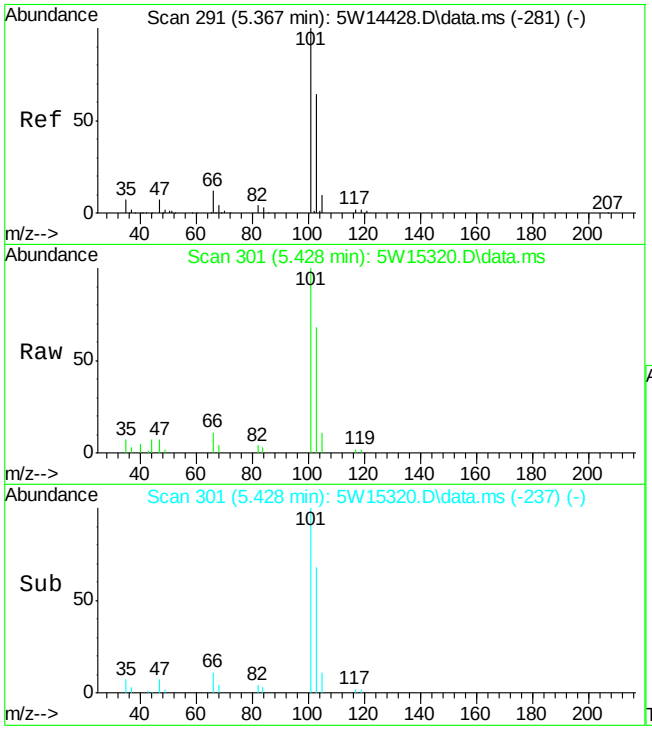


#12
n-Butane
Concen: 5.51 ppb(v)
RT: 4.437 min Scan# 139
Delta R.T. 0.073 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 58 Resp: 5657

Ion	Ratio	Lower	Upper
58	100		
43	793.2	583.0	1082.8
44	39.7	30.3	56.3

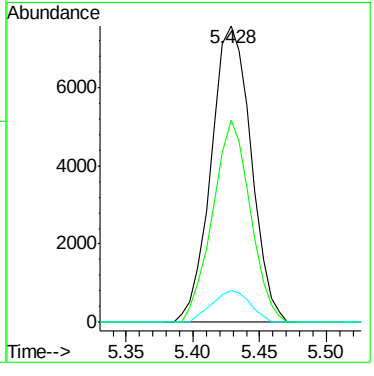


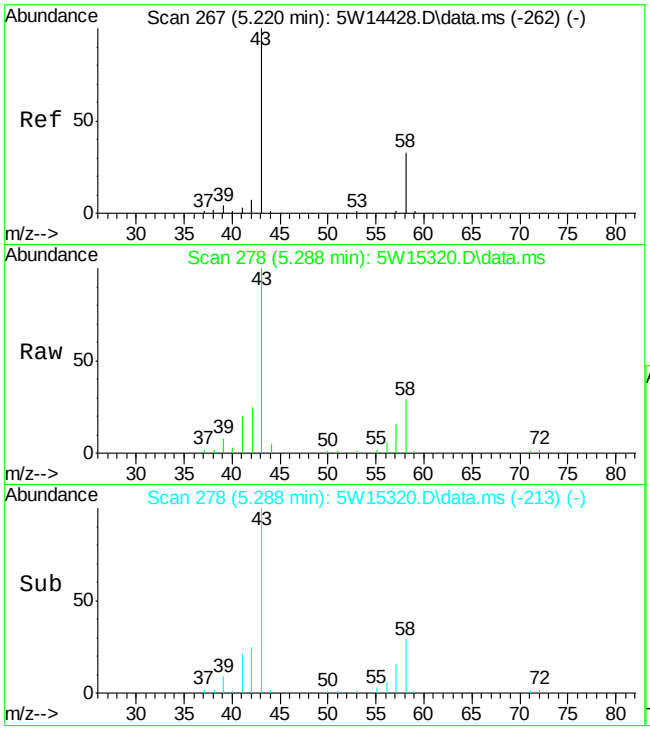


#20
Trichlorofluoromethane
Concen: 0.99 ppb(v)
RT: 5.428 min Scan# 301
Delta R.T. 0.061 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion:101 Resp: 15763

Ion	Ratio	Lower	Upper
101	100		
103	68.2	45.1	83.7
105	10.7	7.1	13.3

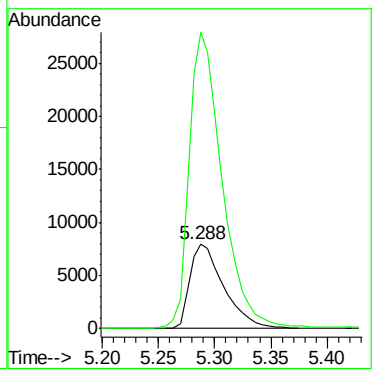


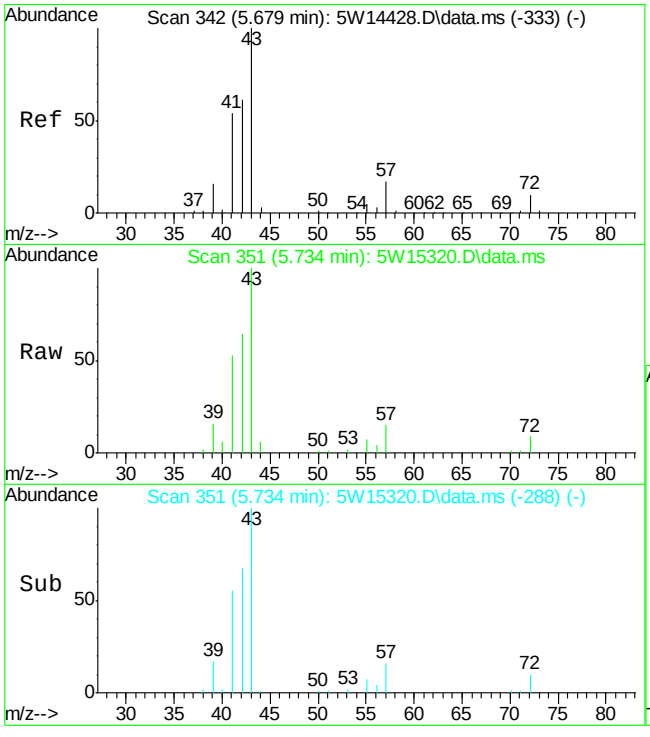


#21
Acetone
Concen: 4.98 ppb(v)
RT: 5.288 min Scan# 278
Delta R.T. 0.067 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 58 Resp: 16713

Ion	Ratio	Lower	Upper
58	100		
43	350.4	210.9	391.7

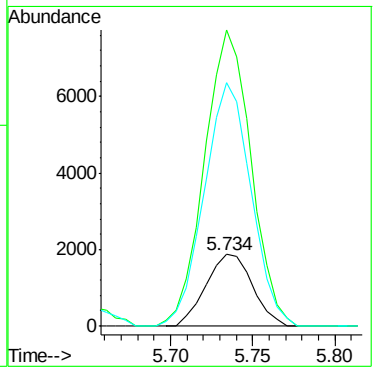


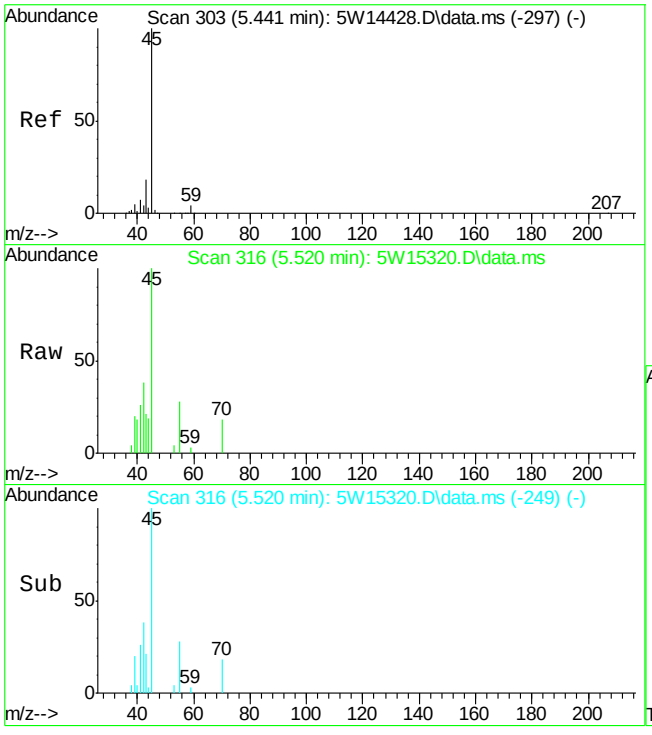


#22
Pentane
Concen: 1.90 ppb(v)
RT: 5.734 min Scan# 351
Delta R.T. 0.055 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 57 Resp: 3672

Ion	Ratio	Lower	Upper
57	100		
42	414.4	259.0	481.0
41	340.5	227.7	422.9

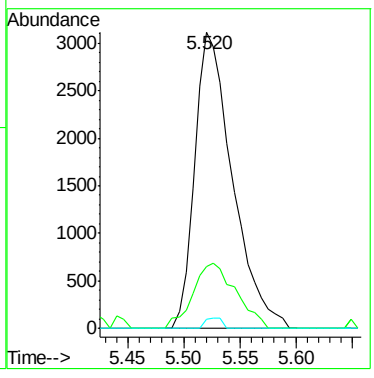


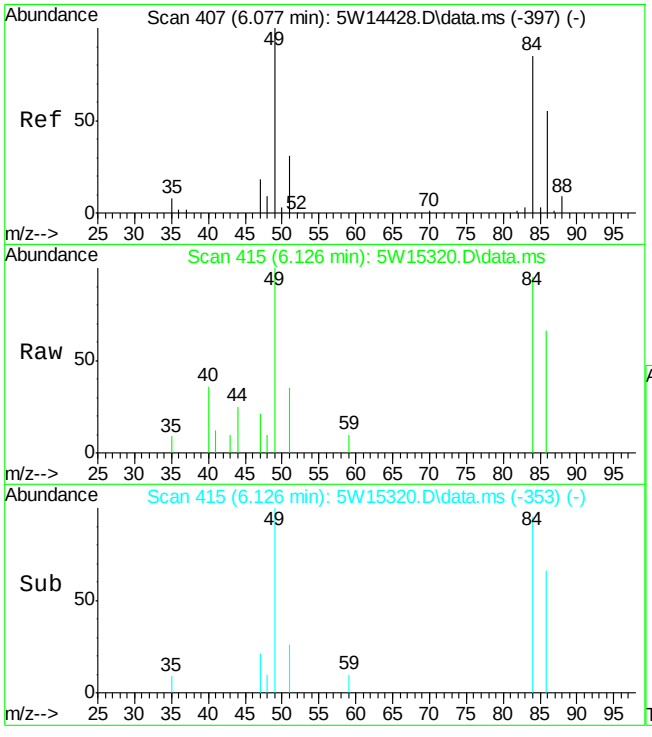


#25
Isopropyl Alcohol
Concen: 0.57 ppb(v)
RT: 5.520 min Scan# 316
Delta R.T. 0.079 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 45 Resp: 7288

Ion	Ratio	Lower	Upper
45	100		
43	20.9	12.6	23.4
59	3.3	3.1	5.8

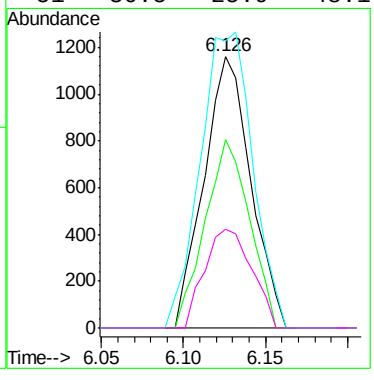




#28
Methylene Chloride
Concen: 0.33 ppb(v)
RT: 6.126 min Scan# 415
Delta R.T. 0.049 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

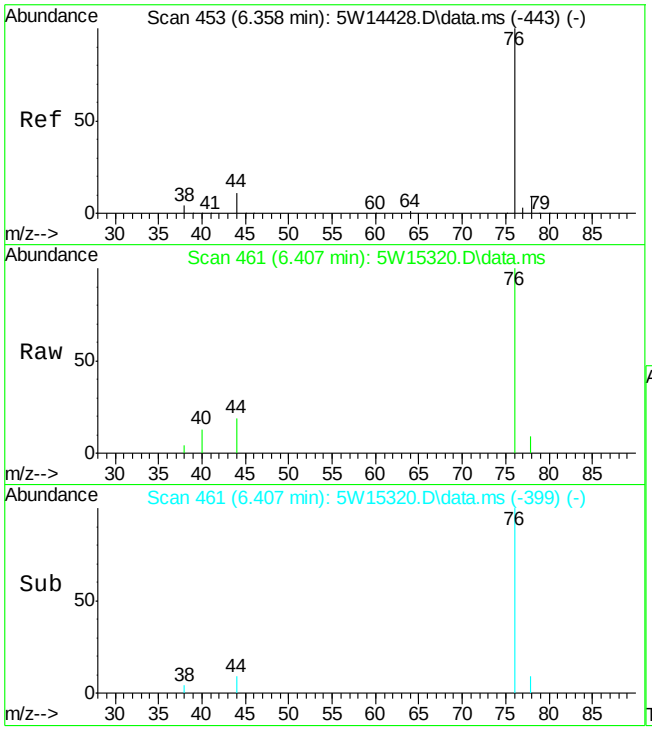
Tgt Ion: 84 Resp: 2295

Ion	Ratio	Lower	Upper
84	100		
86	69.5	45.3	84.1
49	105.7	82.8	153.8
51	36.5	25.9	48.1



7.1.2

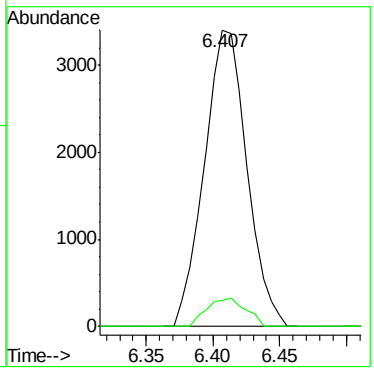
7

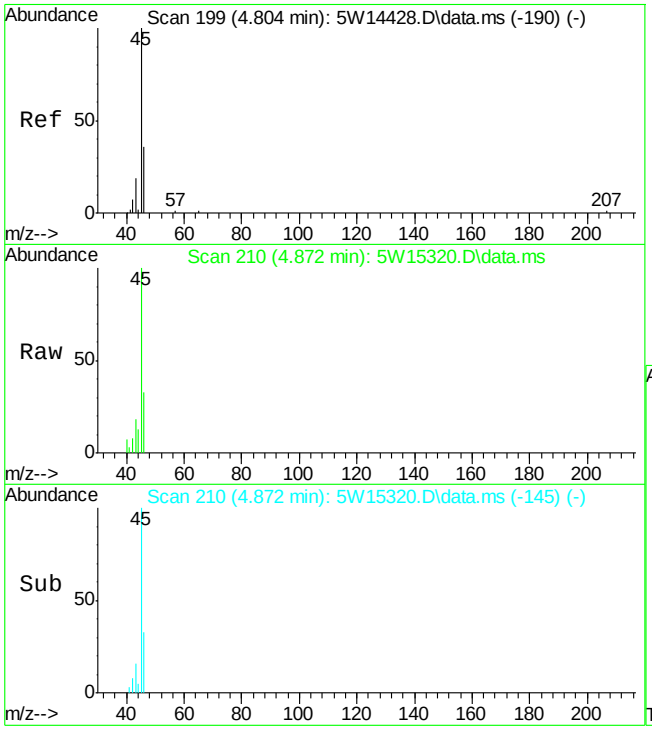


#29
Carbon Disulfide
Concen: 0.36 ppb(v)
RT: 6.407 min Scan# 461
Delta R.T. 0.049 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 76 Resp: 7543

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.4	11.8

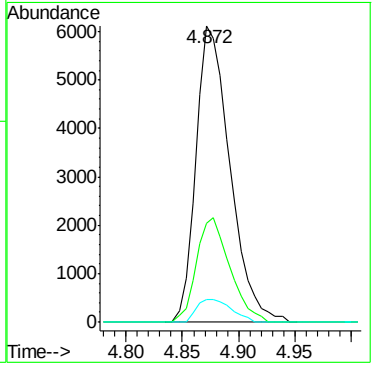




#30
Ethanol
Concen: 4.68 ppb(v)
RT: 4.872 min Scan# 210
Delta R.T. 0.068 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

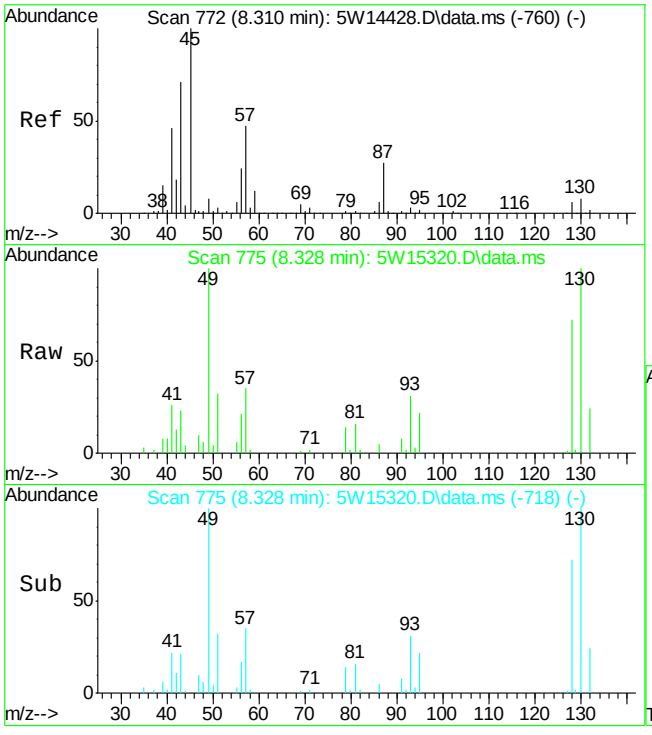
Tgt Ion: 45 Resp: 12935

Ion	Ratio	Lower	Upper
45	100		
46	33.5	24.9	46.3
42	7.6	5.5	10.3



7.1.2

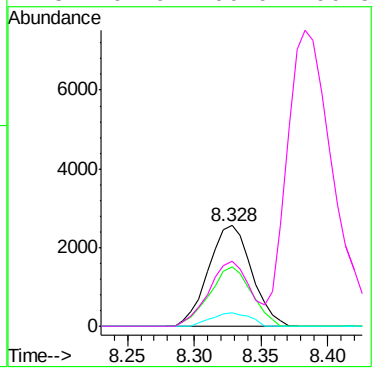
7

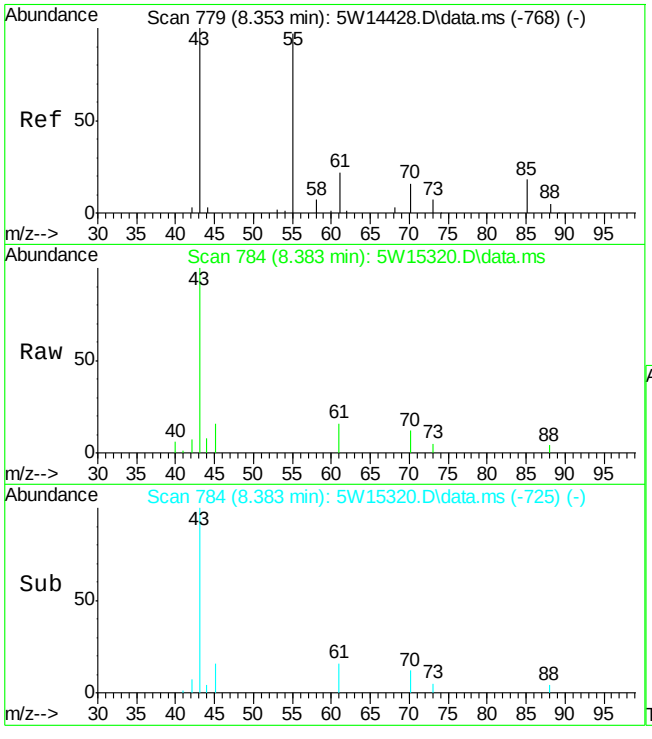


#39
Hexane
Concen: 0.49 ppb(v)
RT: 8.328 min Scan# 775
Delta R.T. 0.018 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 57 Resp: 5754

Ion	Ratio	Lower	Upper
57	100		
56	58.7	36.0	66.8
86	13.3	9.7	17.9
43	64.9	106.0	196.8#

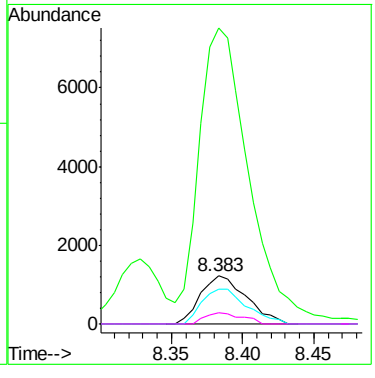


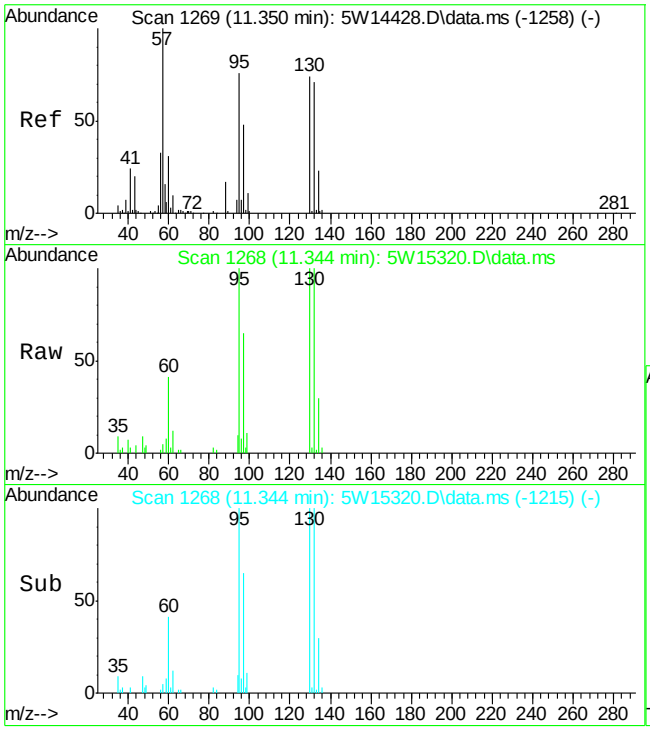


#42
Ethyl Acetate
Concen: 1.23 ppb(v)
RT: 8.383 min Scan# 784
Delta R.T. 0.030 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 61 Resp: 2752

Ion	Ratio	Lower	Upper
61	100		
43	614.5	463.2	860.2
70	73.0	51.2	95.2
88	23.1	17.6	32.6

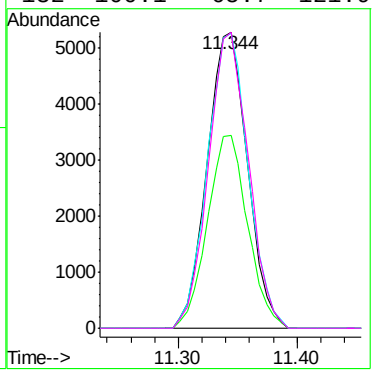


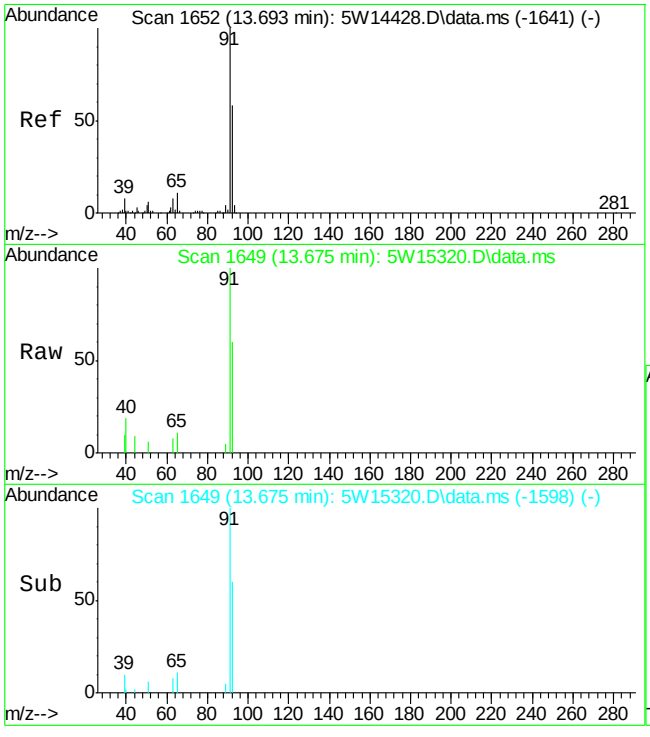


#56
Trichloroethene
Concen: 1.32 ppb(v)
RT: 11.344 min Scan# 1268
Delta R.T. -0.006 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 95 Resp: 12539

Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.5	82.7
130	99.8	68.7	127.7
132	100.1	65.7	121.9

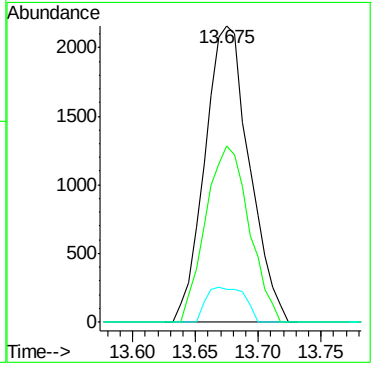


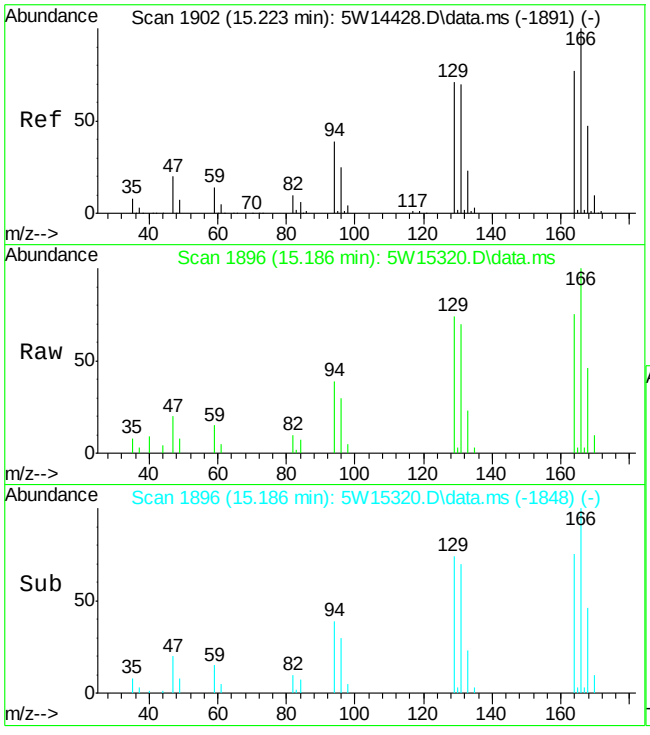


#66
Toluene
Concen: 0.22 ppb(v)
RT: 13.675 min Scan# 1649
Delta R.T. -0.018 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 91 Resp: 5308

Ion	Ratio	Lower	Upper
91	100		
92	59.6	40.5	75.3
65	10.8	7.8	14.4

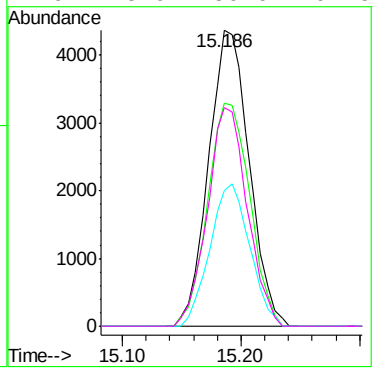


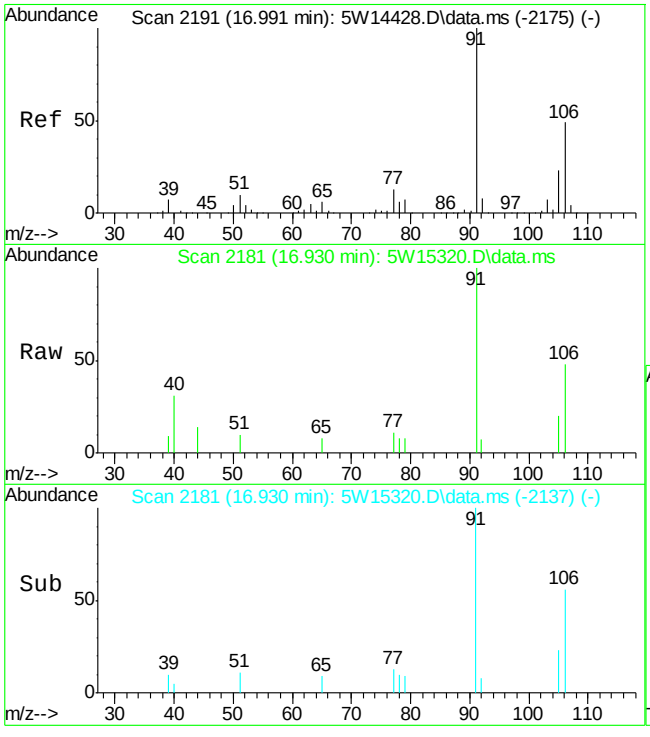


#71
Tetrachloroethene
Concen: 0.87 ppb(v)
RT: 15.186 min Scan# 1896
Delta R.T. -0.037 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion:166 Resp: 10431

Ion	Ratio	Lower	Upper
166	100		
164	75.5	54.3	100.8
168	45.9	33.0	61.4
129	73.9	50.0	92.8

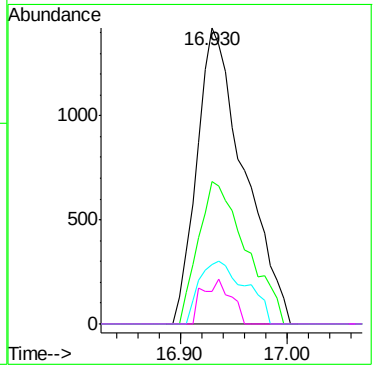




#78
m,p-Xylene
Concen: 0.19 ppb(v)
RT: 16.930 min Scan# 2181
Delta R.T. -0.061 min
Lab File: 5W15320.D
Acq: 24 Dec 2015 12:50 am

Tgt Ion: 91 Resp: 4346

Ion	Ratio	Lower	Upper
91	100		
106	48.3	34.6	64.2
105	20.1	16.0	29.8
77	11.1	9.2	17.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15321.D
Acq On : 24 Dec 2015 1:32 am
Operator : THOMASH
Sample : JC11091-3
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 24 14:08:41 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

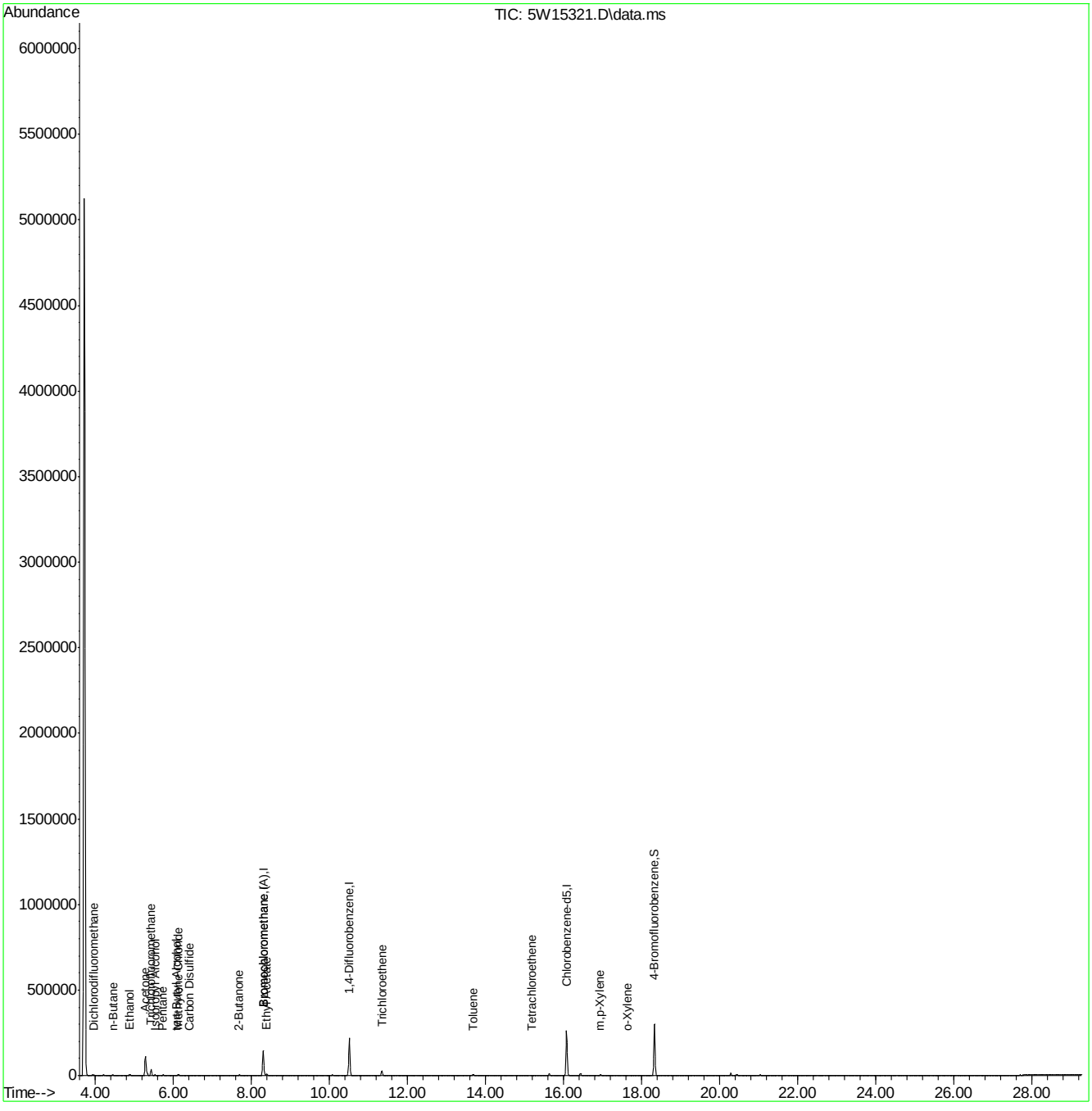
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.304	130	65485	10.00	ppb(v	0.02
53) 1,4-Difluorobenzene	10.506	114	225973	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.073	82	114554	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.304	130	65485	10.00	ppb(v	0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.318	95	142345	10.03	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.30%			
Target Compounds						Qvalue
6) Dichlorodifluoromethane	3.966	85	2003	0.12	ppb(v#	98
12) n-Butane	4.443	58	324	0.33	ppb(v#	55
20) Trichlorofluoromethane	5.428	101	32029	2.10	ppb(v	98
21) Acetone	5.281	58	45410	14.15	ppb(v	94
22) Pentane	5.734	57	354	0.19	ppb(v	87
25) Isopropyl Alcohol	5.526	45	4098	0.33	ppb(v#	93
28) Methylene Chloride	6.126	84	3174	0.47	ppb(v	92
29) Carbon Disulfide	6.407	76	2440	0.12	ppb(v	98
30) Ethanol	4.878	45	7865	2.98	ppb(v	99
34) tert-Butyl Alcohol	6.083	59	3160	0.21	ppb(v#	86
38) 2-Butanone	7.680	72	1853	0.59	ppb(v	89
42) Ethyl Acetate	8.389	61	2080	0.97	ppb(v	91
56) Trichloroethene	11.344	95	12342	1.32	ppb(v	98
66) Toluene	13.675	91	7457	0.31	ppb(v	98
71) Tetrachloroethene	15.192	166	879	0.07	ppb(v	86
78) m,p-Xylene	16.930	91	6363	0.28	ppb(v	97
81) o-Xylene	17.633	91	2323	0.10	ppb(v	91

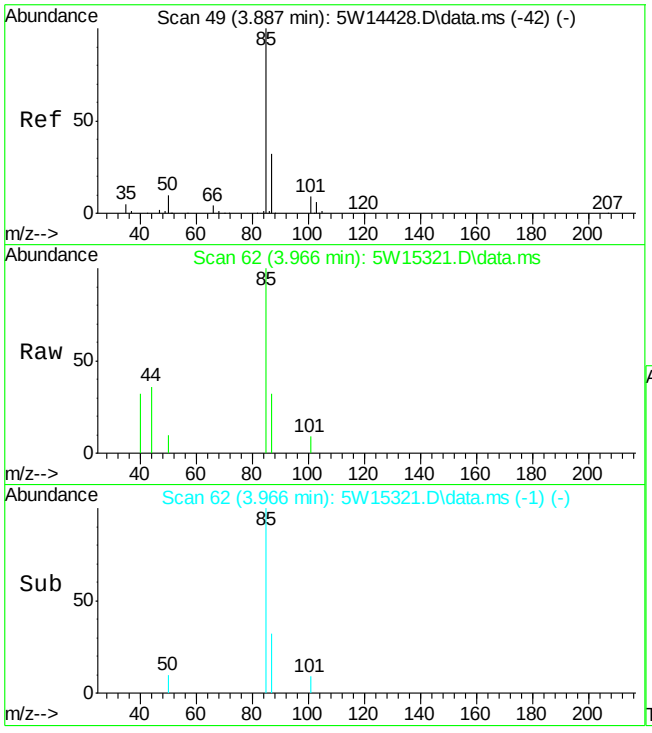
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15321.D
Acq On : 24 Dec 2015 1:32 am
Operator : THOMASH
Sample : JC11091-3
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 24 14:08:41 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

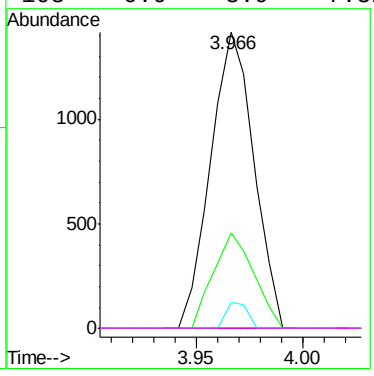


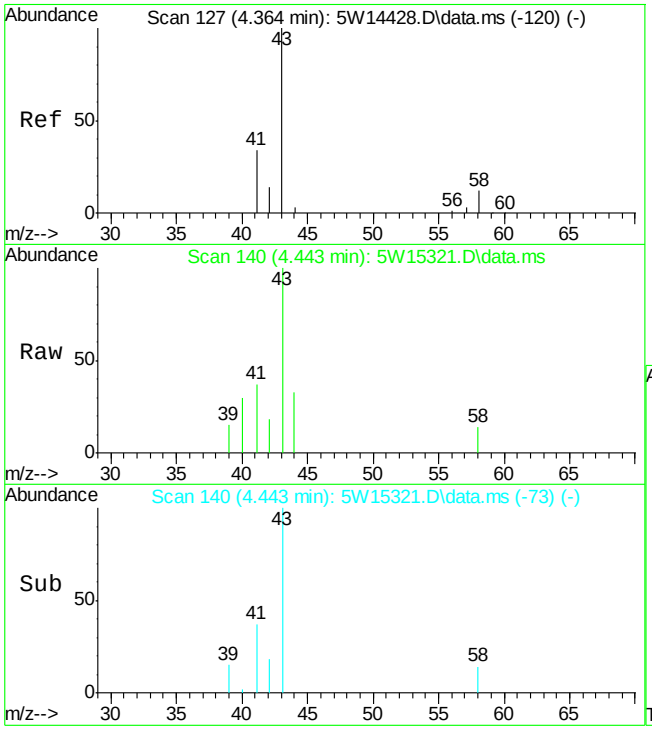


#6
Dichlorodifluoromethane
Concen: 0.12 ppb(v)
RT: 3.966 min Scan# 62
Delta R.T. 0.079 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 85 Resp: 2003

Ion	Ratio	Lower	Upper
85	100		
87	32.4	22.6	42.0
101	8.7	6.2	11.4
103	0.0	3.9	7.3#

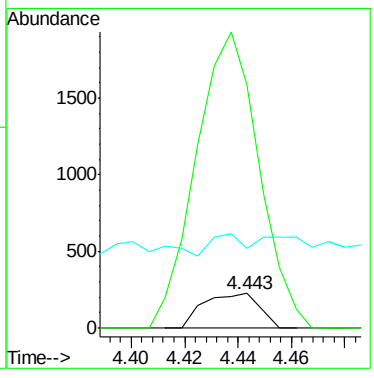


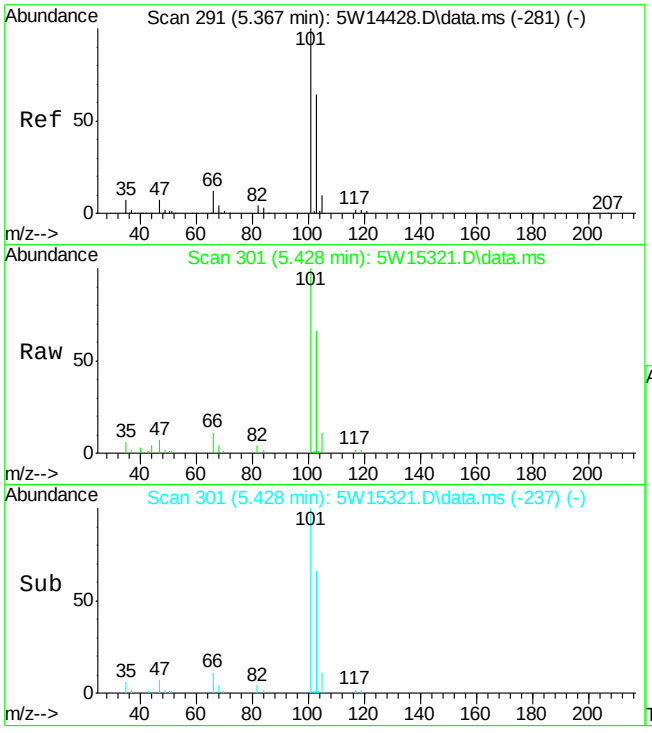


#12
n-Butane
Concen: 0.33 ppb(v)
RT: 4.443 min Scan# 140
Delta R.T. 0.079 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 58 Resp: 324

Ion	Ratio	Lower	Upper
58	100		
43	705.3	583.0	1082.8
44	232.4	30.3	56.3#

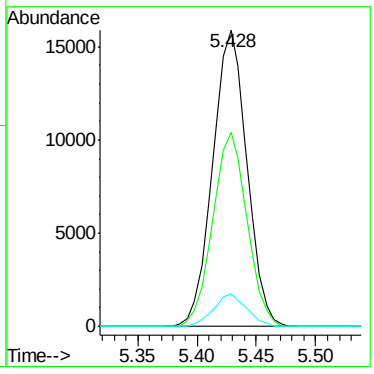


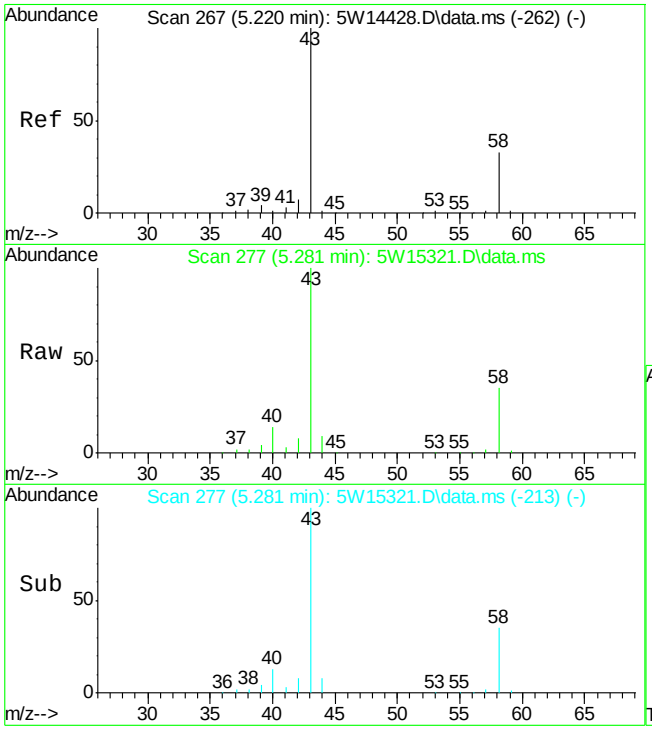


#20
Trichlorofluoromethane
Concen: 2.10 ppb(v)
RT: 5.428 min Scan# 301
Delta R.T. 0.061 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion:101 Resp: 32029

Ion	Ratio	Lower	Upper
101	100		
103	65.5	45.1	83.7
105	11.1	7.1	13.3

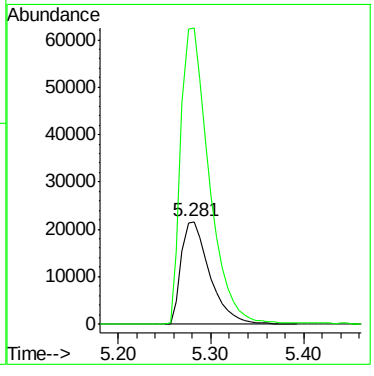


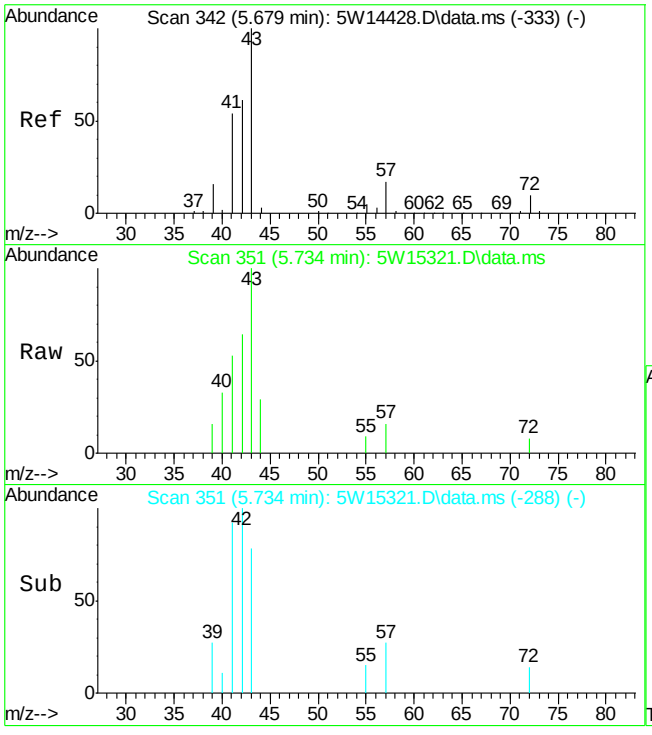


#21
Acetone
Concen: 14.15 ppb(v)
RT: 5.281 min Scan# 277
Delta R.T. 0.061 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 58 Resp: 45410

Ion	Ratio	Lower	Upper
58	100		
43	289.3	210.9	391.7

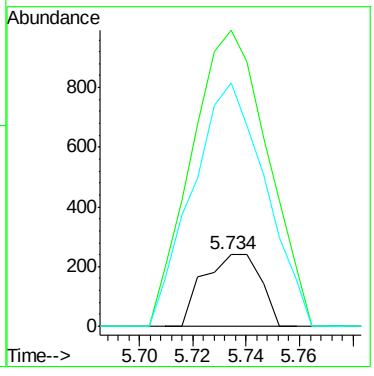


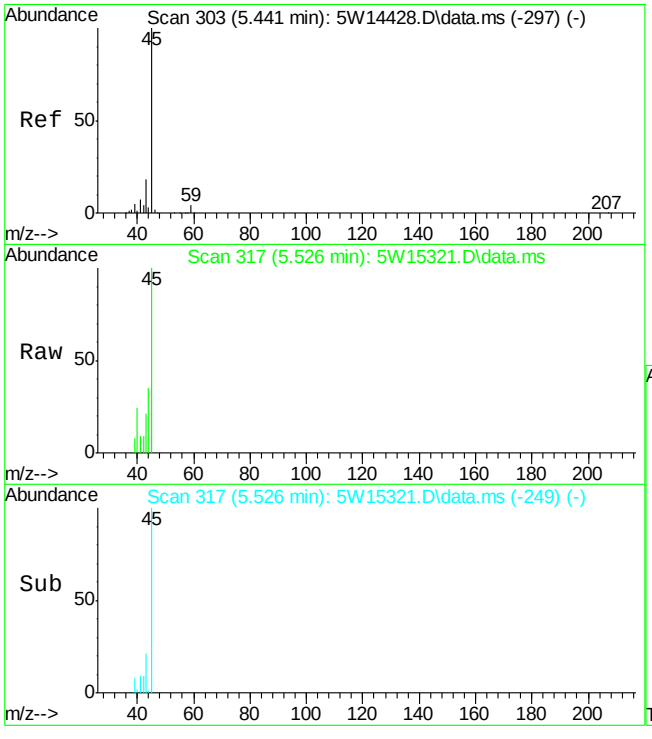


#22
Pentane
Concen: 0.19 ppb(v)
RT: 5.734 min Scan# 351
Delta R.T. 0.055 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 57 Resp: 354

Ion	Ratio	Lower	Upper
57	100		
42	411.6	259.0	481.0
41	337.8	227.7	422.9

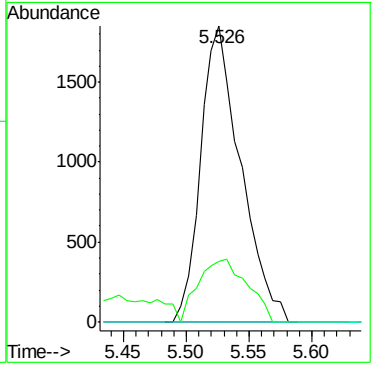


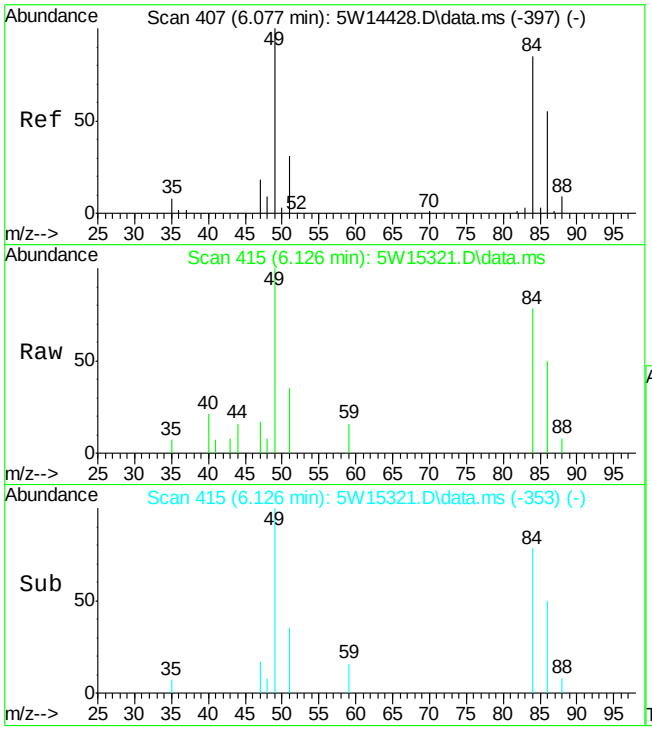


#25
Isopropyl Alcohol
Concen: 0.33 ppb(v)
RT: 5.526 min Scan# 317
Delta R.T. 0.086 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 45 Resp: 4098

Ion	Ratio	Lower	Upper
45	100		
43	20.5	12.6	23.4
59	0.0	3.1	5.8#

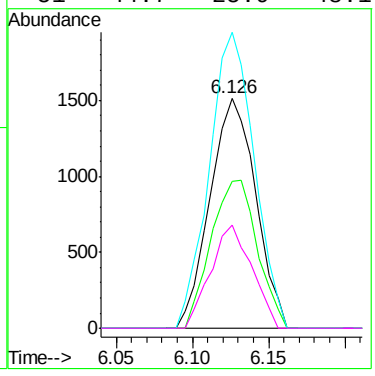


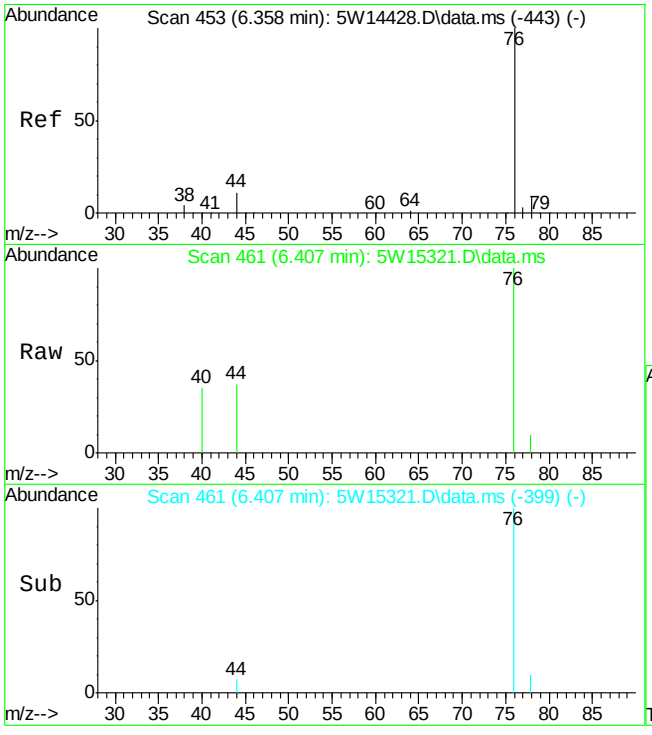


#28
Methylene Chloride
Concen: 0.47 ppb(v)
RT: 6.126 min Scan# 415
Delta R.T. 0.049 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 84 Resp: 3174

Ion	Ratio	Lower	Upper
84	100		
86	63.8	45.3	84.1
49	128.6	82.8	153.8
51	44.7	25.9	48.1

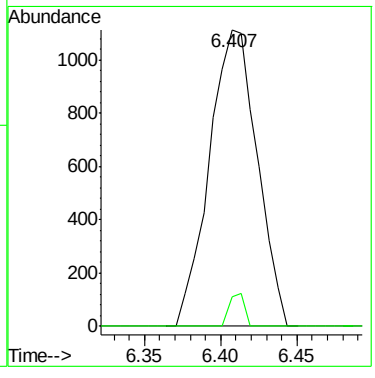


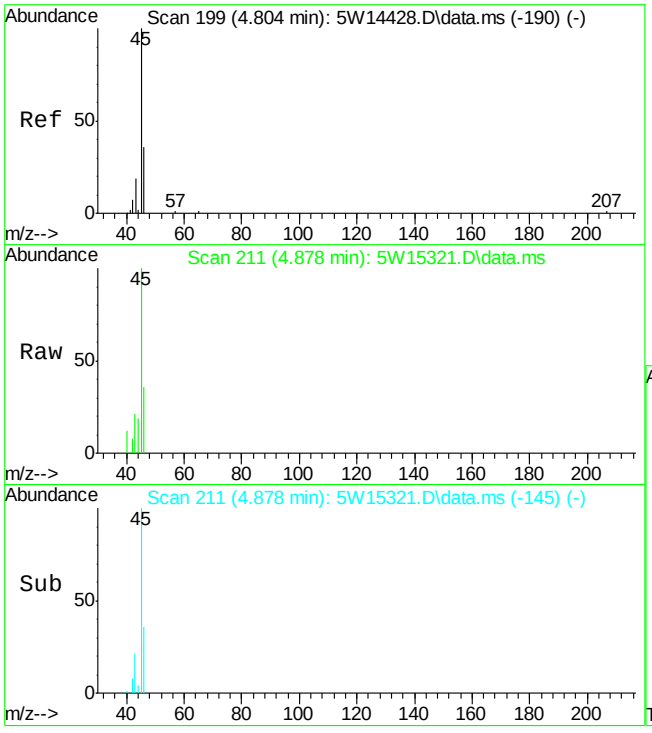


#29
Carbon Disulfide
Concen: 0.12 ppb(v)
RT: 6.407 min Scan# 461
Delta R.T. 0.049 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 76 Resp: 2440

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	11.8

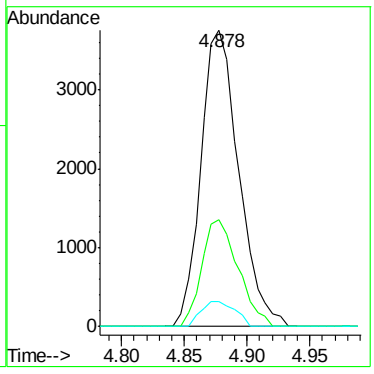


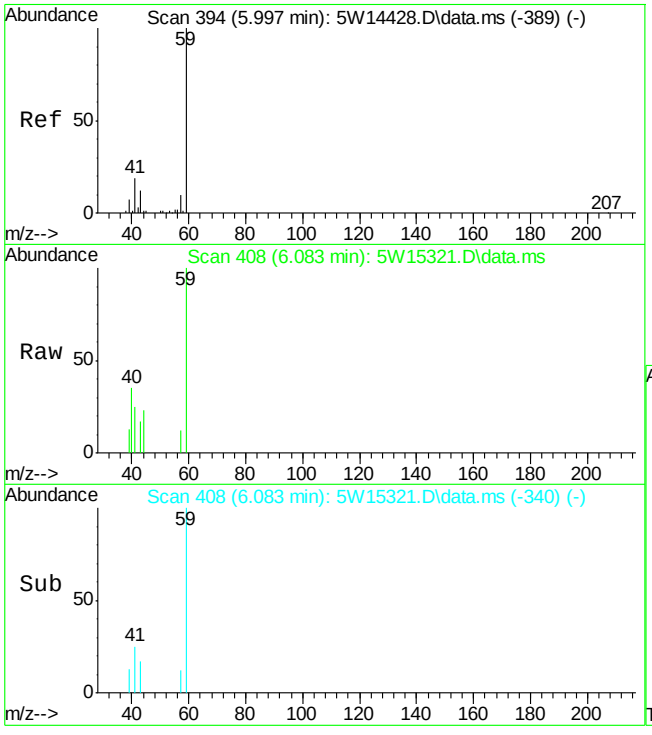


#30
Ethanol
Concen: 2.98 ppb(v)
RT: 4.878 min Scan# 211
Delta R.T. 0.074 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 45 Resp: 7865

Ion	Ratio	Lower	Upper
45	100		
46	36.0	24.9	46.3
42	8.2	5.5	10.3

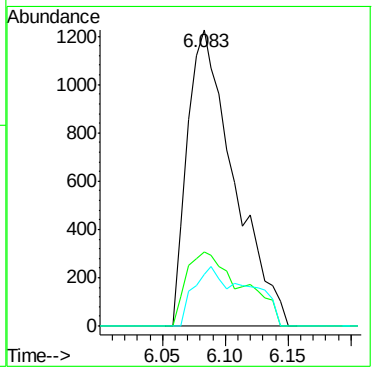


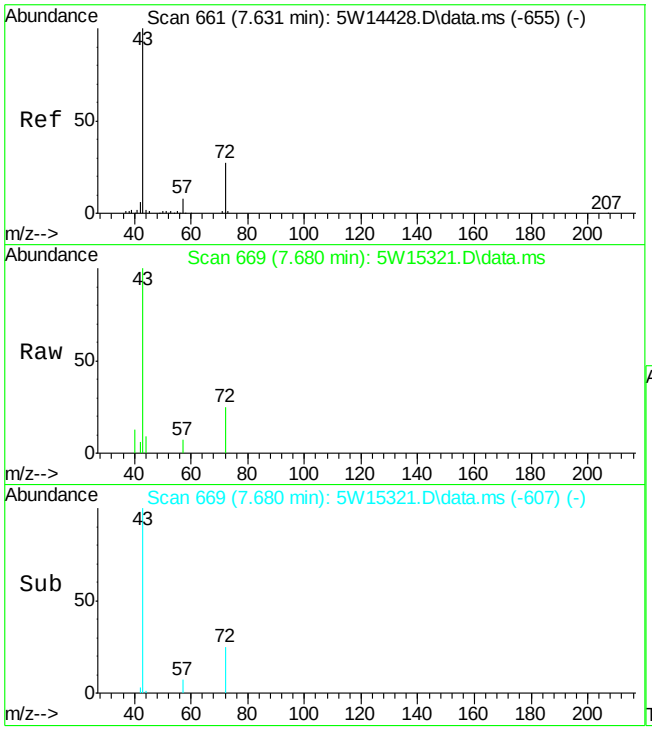


#34
tert-Butyl Alcohol
Concen: 0.21 ppb(v)
RT: 6.083 min Scan# 408
Delta R.T. 0.086 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 59 Resp: 3160

Ion	Ratio	Lower	Upper
59	100		
41	25.1	12.9	23.9#
43	17.4	8.6	16.0#

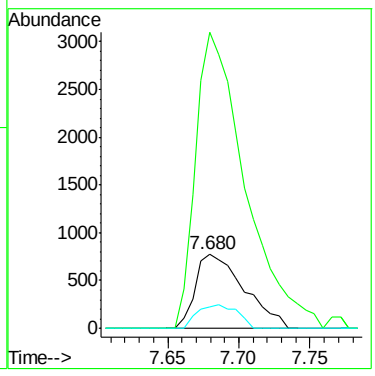


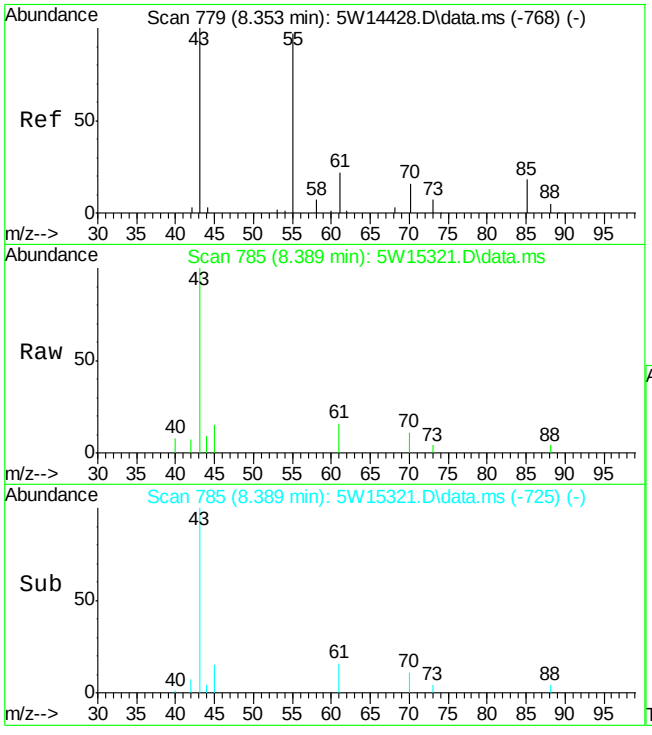


#38
2-Butanone
Concen: 0.59 ppb(v)
RT: 7.680 min Scan# 669
Delta R.T. 0.049 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 72 Resp: 1853

Ion	Ratio	Lower	Upper
72	100		
43	398.2	259.9	482.7
57	28.1	20.6	38.2

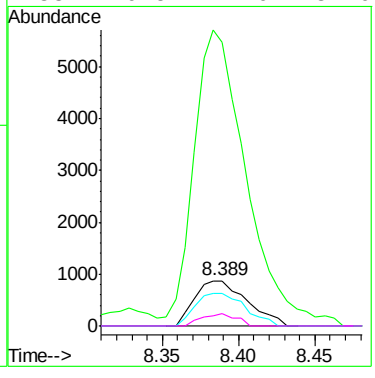




#42
Ethyl Acetate
Concen: 0.97 ppb(v)
RT: 8.389 min Scan# 785
Delta R.T. 0.037 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

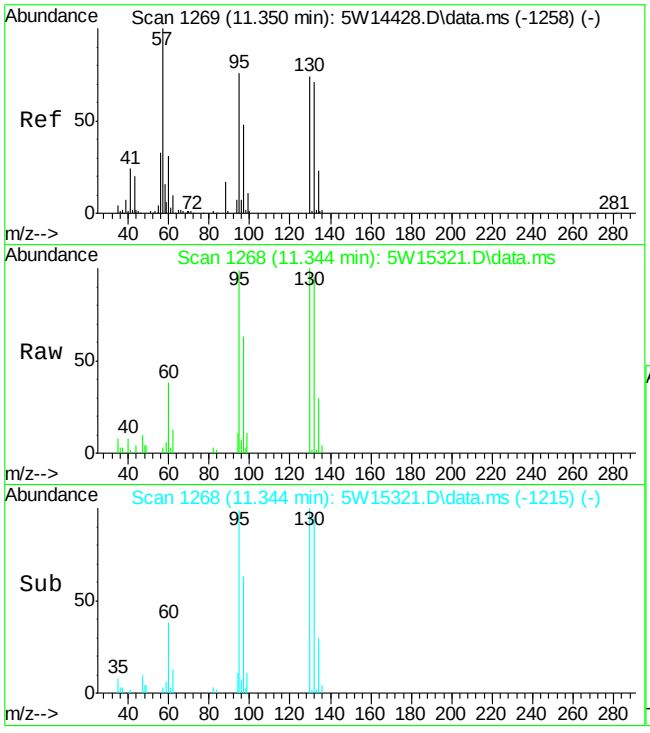
Tgt Ion: 61 Resp: 2080

Ion	Ratio	Lower	Upper
61	100		
43	629.5	463.2	860.2
70	71.5	51.2	95.2
88	26.5	17.6	32.6



7.1.3

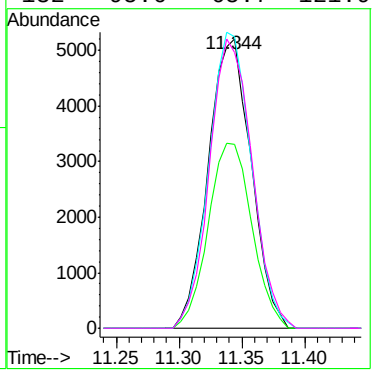
7

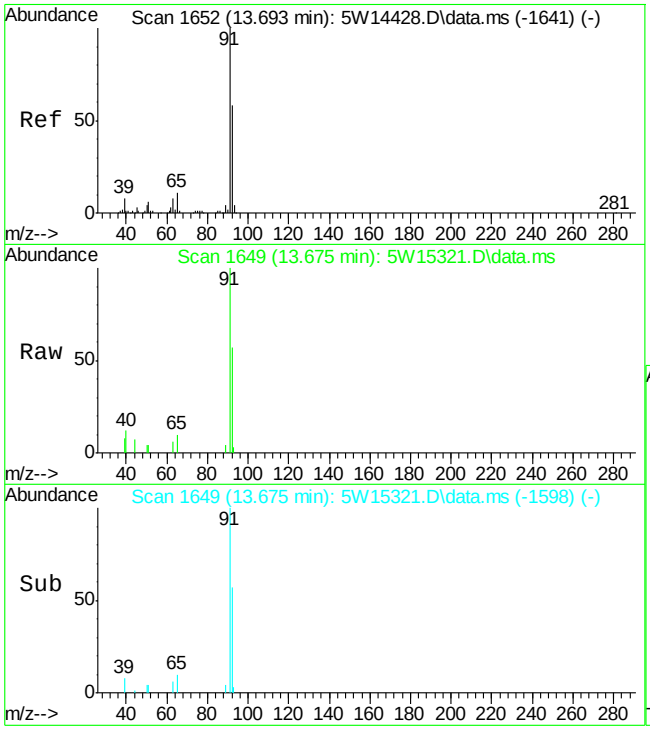


#56
Trichloroethene
Concen: 1.32 ppb(v)
RT: 11.344 min Scan# 1268
Delta R.T. -0.006 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 95 Resp: 12342

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.5	82.7
130	101.0	68.7	127.7
132	95.6	65.7	121.9

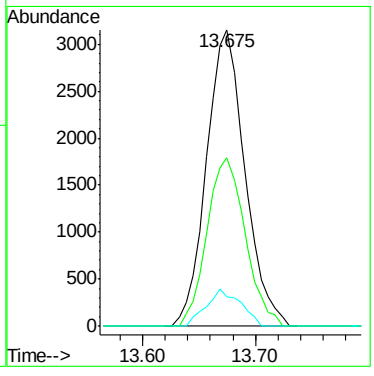


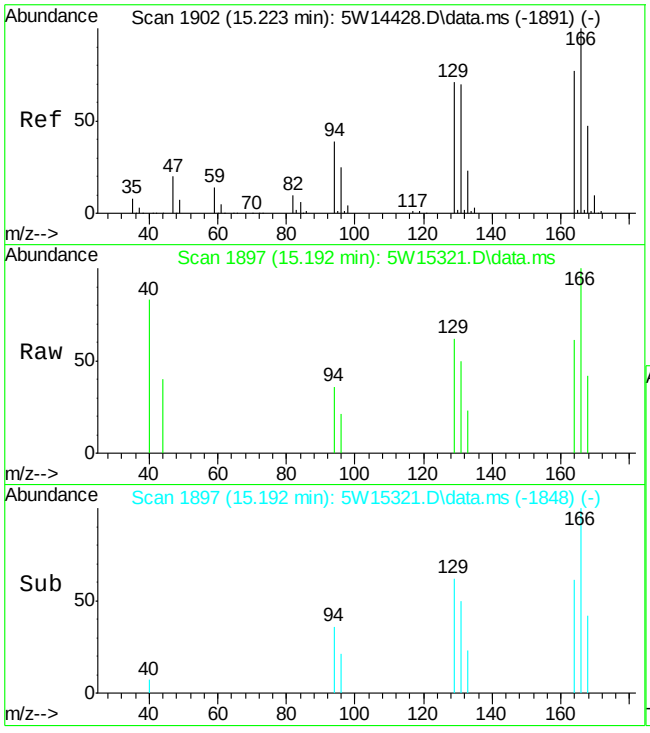


#66
Toluene
Concen: 0.31 ppb(v)
RT: 13.675 min Scan# 1649
Delta R.T. -0.018 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 91 Resp: 7457

Ion	Ratio	Lower	Upper
91	100		
92	56.9	40.5	75.3
65	9.9	7.8	14.4

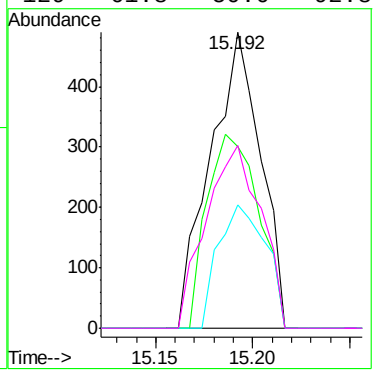


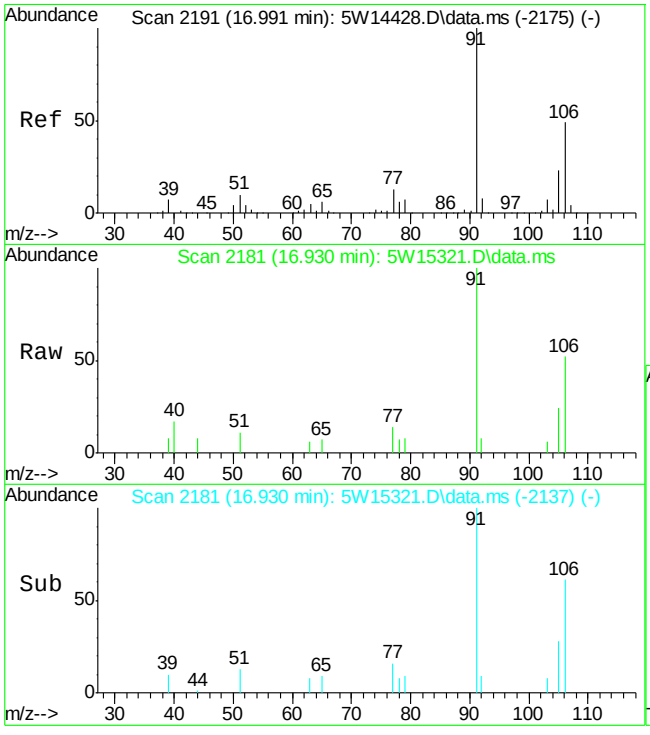


#71
Tetrachloroethene
Concen: 0.07 ppb(v)
RT: 15.192 min Scan# 1897
Delta R.T. -0.031 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion:166 Resp: 879

Ion	Ratio	Lower	Upper
166	100		
164	61.4	54.3	100.8
168	41.6	33.0	61.4
129	61.8	50.0	92.8

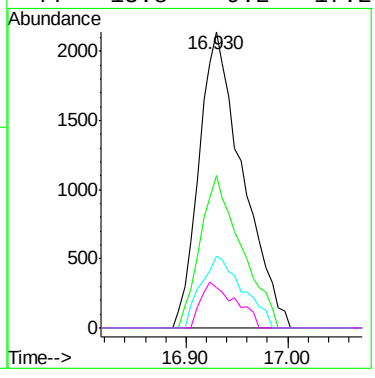


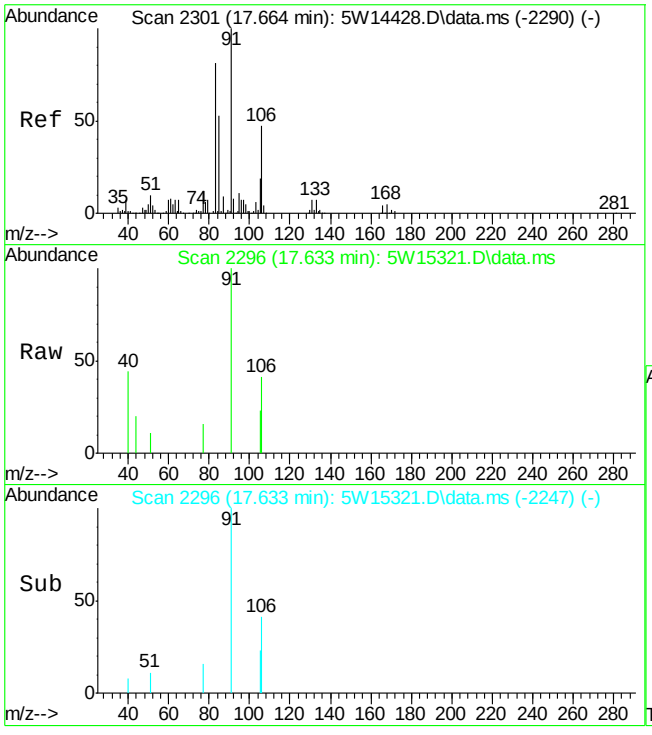


#78
m,p-Xylene
Concen: 0.28 ppb(v)
RT: 16.930 min Scan# 2181
Delta R.T. -0.061 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 91 Resp: 6363

Ion	Ratio	Lower	Upper
91	100		
106	51.7	34.6	64.2
105	24.2	16.0	29.8
77	13.8	9.2	17.2

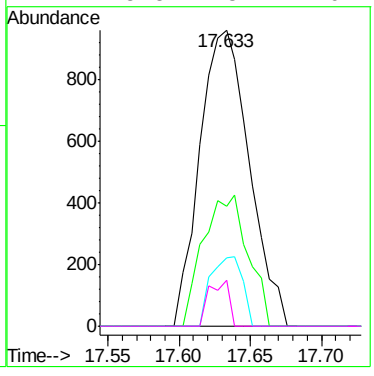




#81
o-Xylene
Concen: 0.10 ppb(v)
RT: 17.633 min Scan# 2296
Delta R.T. -0.031 min
Lab File: 5W15321.D
Acq: 24 Dec 2015 1:32 am

Tgt Ion: 91 Resp: 2323

Ion	Ratio	Lower	Upper
91	100		
106	40.6	32.8	60.8
105	23.0	13.0	24.2
77	15.5	8.7	16.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15322.D
Acq On : 24 Dec 2015 2:16 am
Operator : THOMASH
Sample : JC11091-4
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 24 14:10:28 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

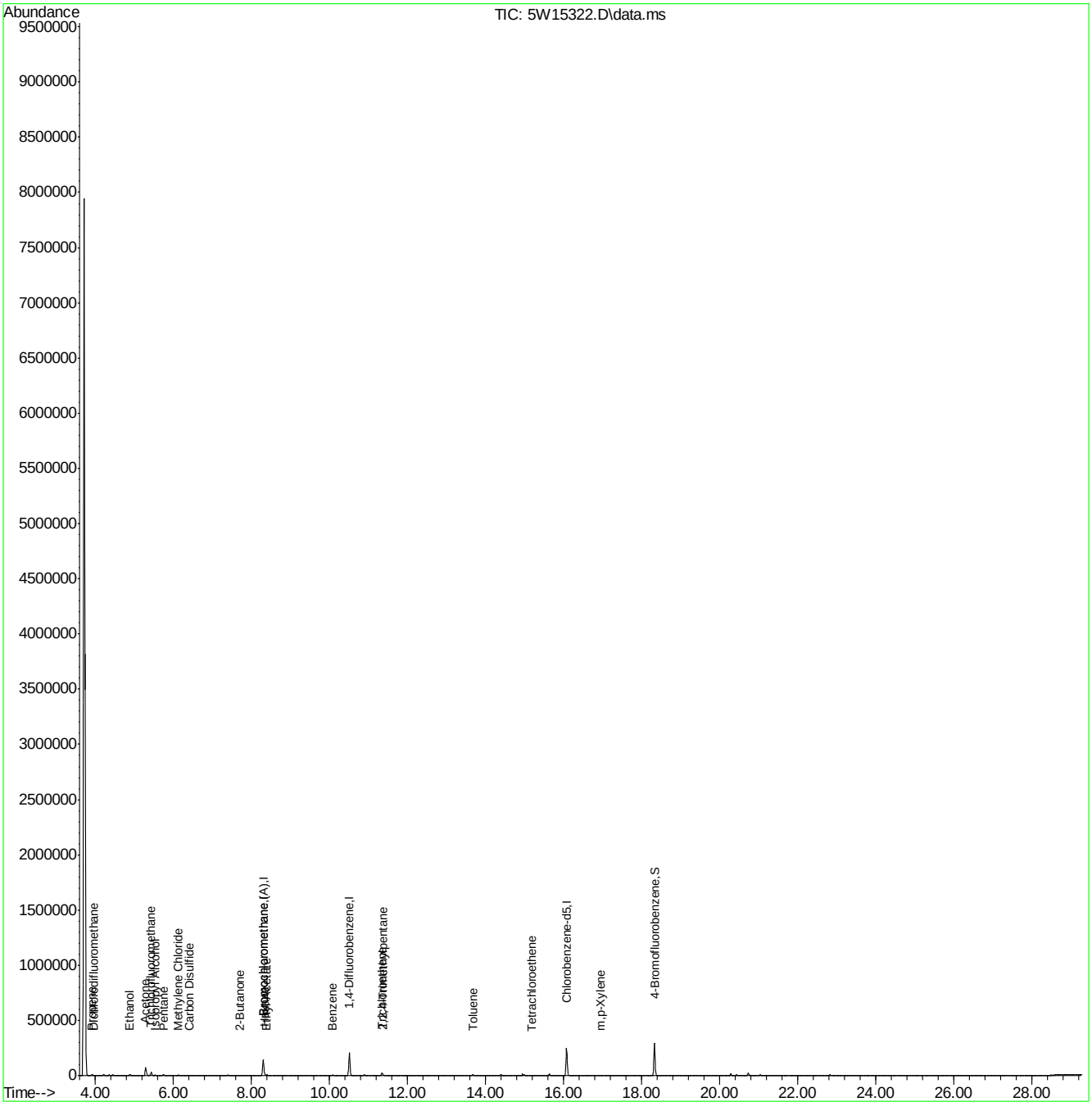
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.304	130	64374	10.00	ppb(v	0.02
53) 1,4-Difluorobenzene	10.506	114	217327	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.073	82	110377	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.304	130	64374	10.00	ppb(v	0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.324	95	139427	10.20	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.00%			
Target Compounds						Qvalue
5) Propene	3.911	41	2786	0.64	ppb(v#	90
6) Dichlorodifluoromethane	3.966	85	2001	0.12	ppb(v#	92
20) Trichlorofluoromethane	5.428	101	27107	1.81	ppb(v	99
21) Acetone	5.282	58	31739	10.06	ppb(v	95
22) Pentane	5.740	57	1093	0.60	ppb(v	94
25) Isopropyl Alcohol	5.526	45	3894	0.32	ppb(v#	75
28) Methylene Chloride	6.126	84	2105	0.32	ppb(v	95
29) Carbon Disulfide	6.407	76	5486	0.28	ppb(v	98
30) Ethanol	4.878	45	7387	2.84	ppb(v	96
38) 2-Butanone	7.692	72	952	0.31	ppb(v	88
39) Hexane	8.328	57	2737	0.25	ppb(v#	49
42) Ethyl Acetate	8.389	61	1628	0.77	ppb(v	98
49) Benzene	10.078	78	3777	0.18	ppb(v	99
54) 2,2,4-Trimethylpentane	11.362	57	11870	0.37	ppb(v	91
56) Trichloroethene	11.344	95	7596	0.84	ppb(v	96
66) Toluene	13.675	91	6025	0.26	ppb(v	97
71) Tetrachloroethene	15.192	166	303	0.03	ppb(v#	66
78) m,p-Xylene	16.936	91	5290	0.24	ppb(v	97

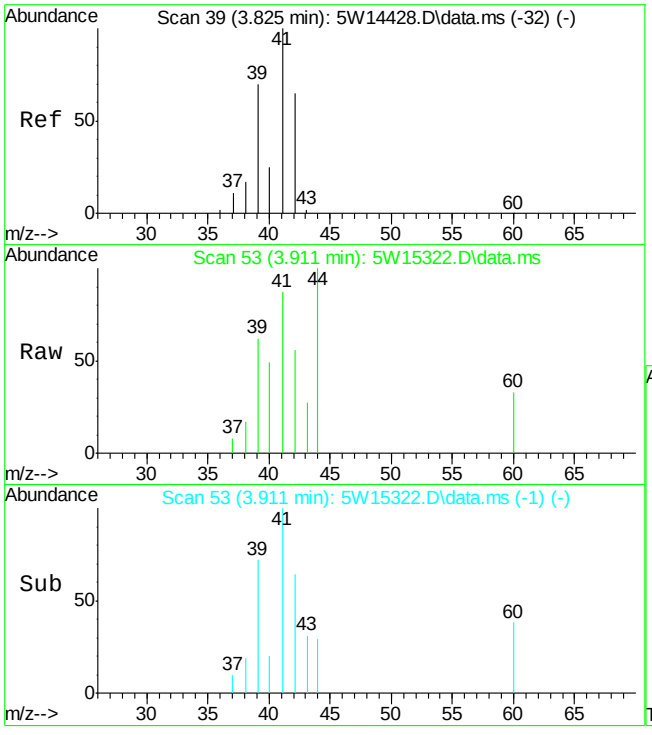
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15322.D
Acq On : 24 Dec 2015 2:16 am
Operator : THOMASH
Sample : JC11091-4
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 24 14:10:28 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

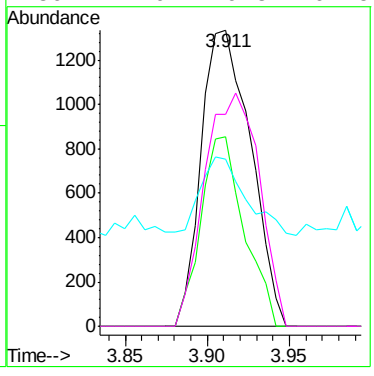


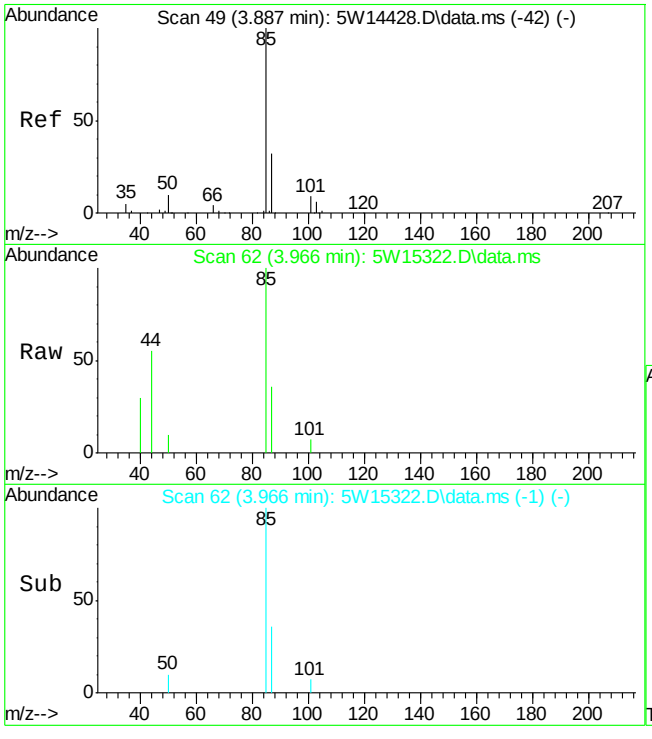


#5
Propene
Concen: 0.64 ppb(v)
RT: 3.911 min Scan# 53
Delta R.T. 0.086 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 41 Resp: 2786

Ion	Ratio	Lower	Upper
41	100		
42	64.1	45.3	84.1
40	56.4	18.6	34.6#
39	71.6	49.3	91.5

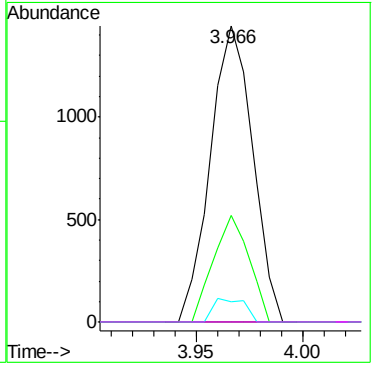


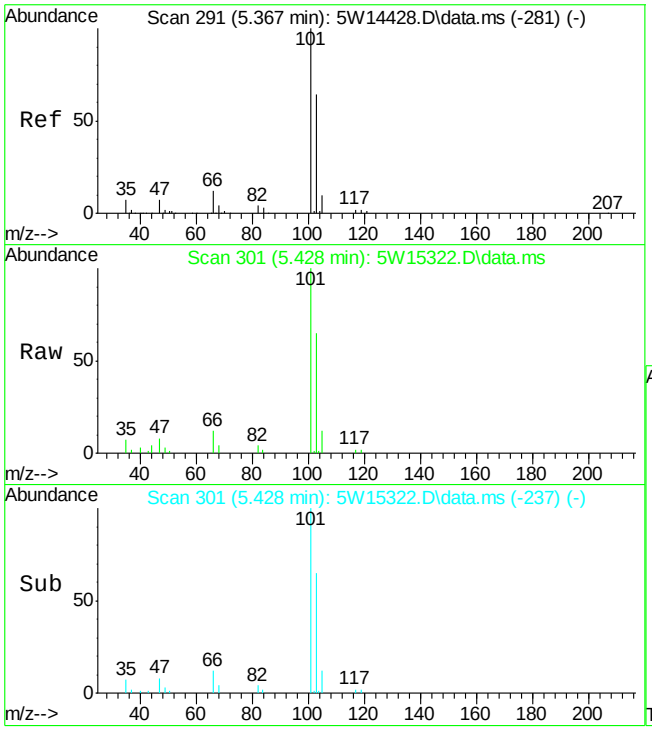


#6
Dichlorodifluoromethane
Concen: 0.12 ppb(v)
RT: 3.966 min Scan# 62
Delta R.T. 0.080 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 85 Resp: 2001

Ion	Ratio	Lower	Upper
85	100		
87	36.0	22.6	42.0
101	7.0	6.2	11.4
103	0.0	3.9	7.3#

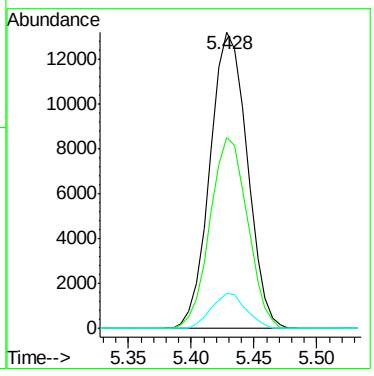


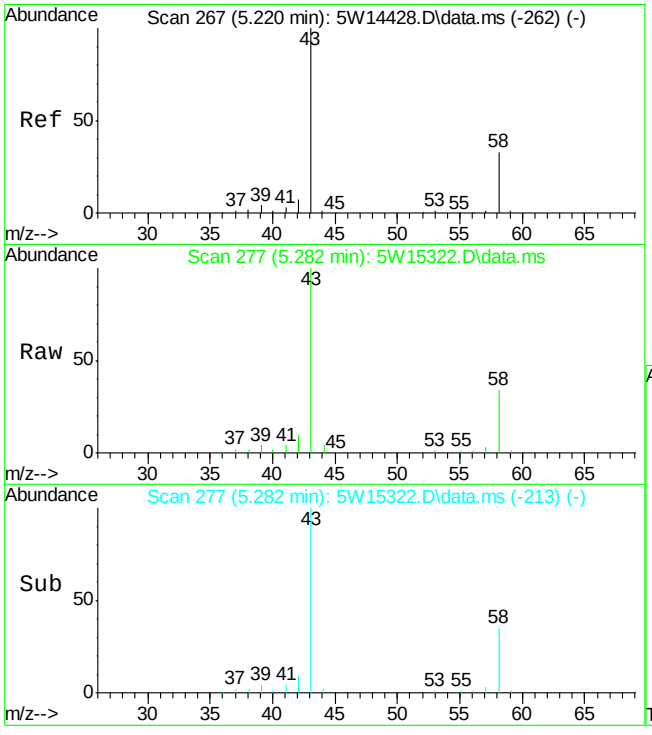


#20
Trichlorofluoromethane
Concen: 1.81 ppb(v)
RT: 5.428 min Scan# 301
Delta R.T. 0.061 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion:101 Resp: 27107

Ion	Ratio	Lower	Upper
101	100		
103	64.6	45.1	83.7
105	11.7	7.1	13.3

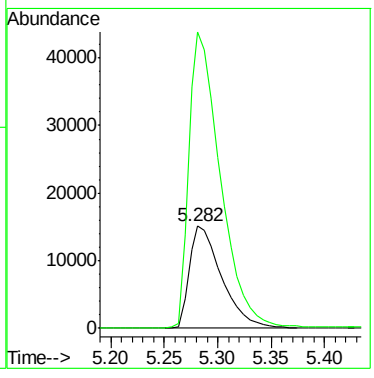


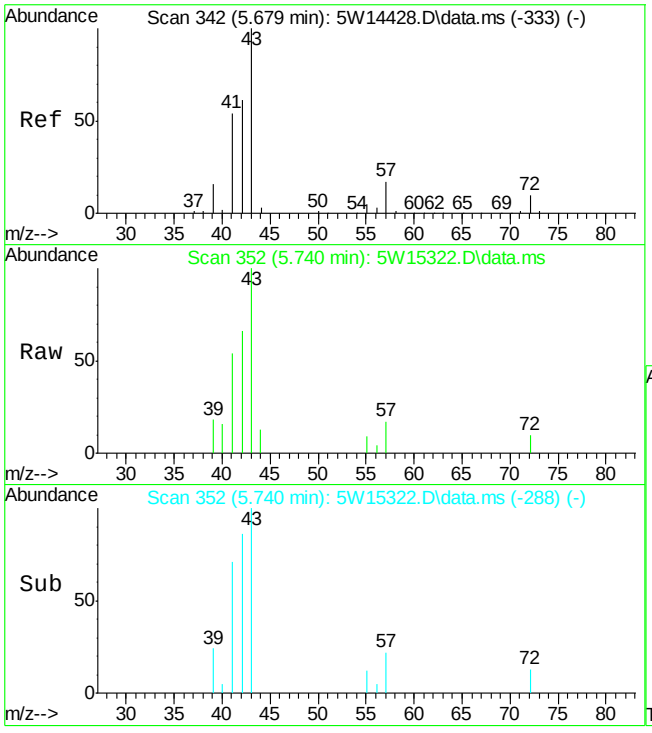


#21
Acetone
Concen: 10.06 ppb(v)
RT: 5.282 min Scan# 277
Delta R.T. 0.061 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 58 Resp: 31739

Ion	Ratio	Lower	Upper
58	100		
43	291.3	210.9	391.7

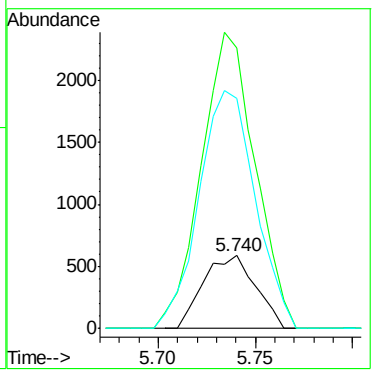


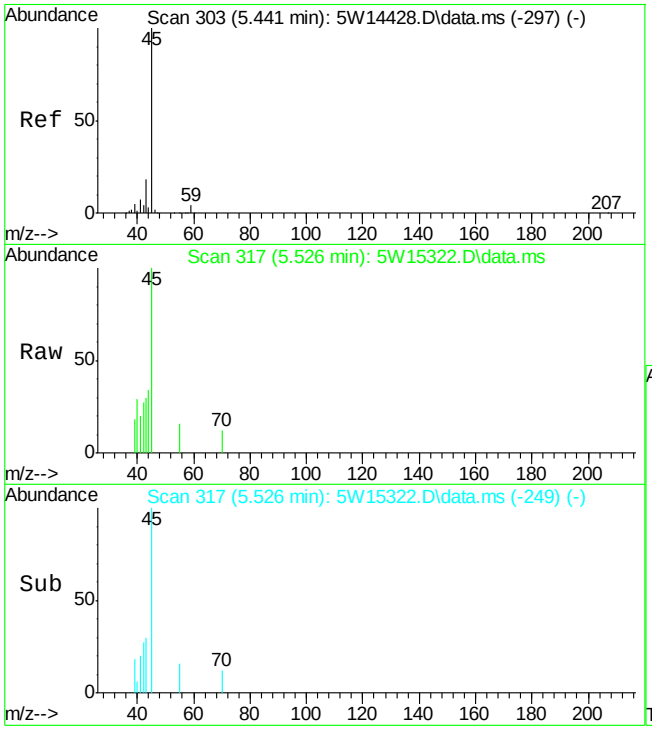


#22
Pentane
Concen: 0.60 ppb(v)
RT: 5.740 min Scan# 352
Delta R.T. 0.061 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 57 Resp: 1093

Ion	Ratio	Lower	Upper
57	100		
42	386.7	259.0	481.0
41	317.2	227.7	422.9

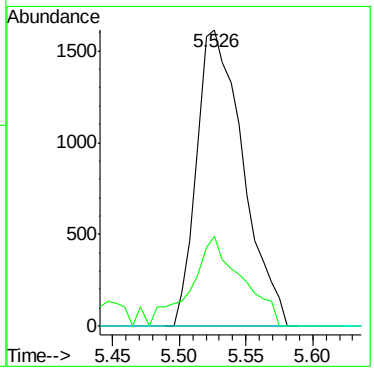


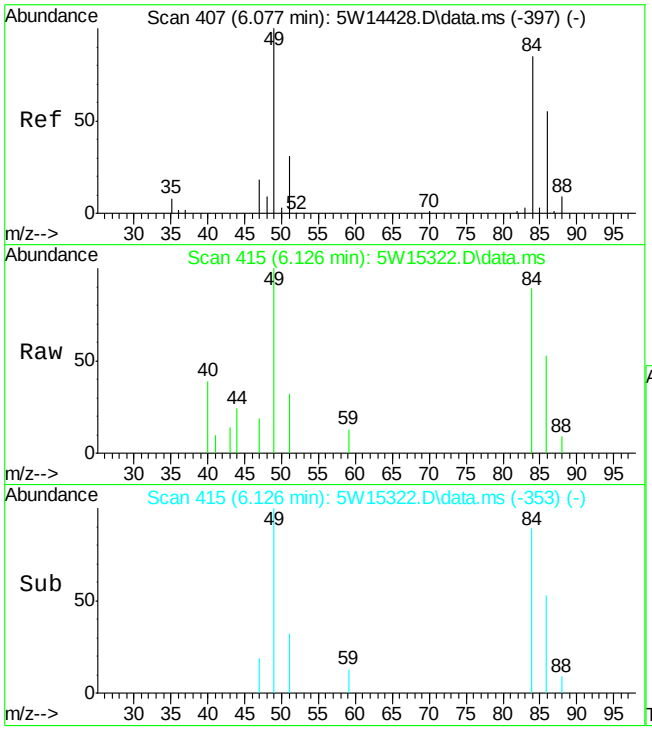


#25
Isopropyl Alcohol
Concen: 0.32 ppb(v)
RT: 5.526 min Scan# 317
Delta R.T. 0.086 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 45 Resp: 3894

Ion	Ratio	Lower	Upper
45	100		
43	30.4	12.6	23.4#
59	0.0	3.1	5.8#

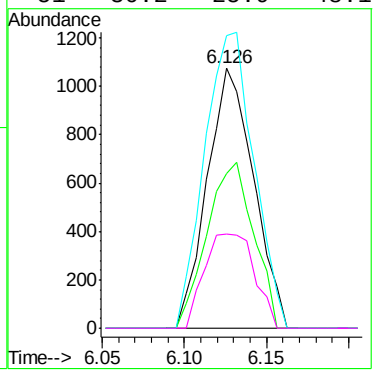


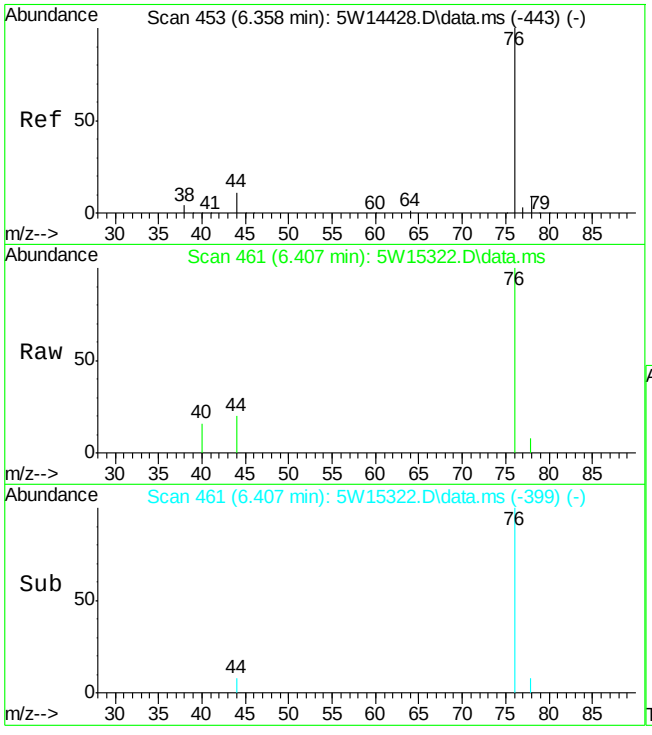


#28
Methylene Chloride
Concen: 0.32 ppb(v)
RT: 6.126 min Scan# 415
Delta R.T. 0.049 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 84 Resp: 2105

Ion	Ratio	Lower	Upper
84	100		
86	59.3	45.3	84.1
49	112.4	82.8	153.8
51	36.2	25.9	48.1

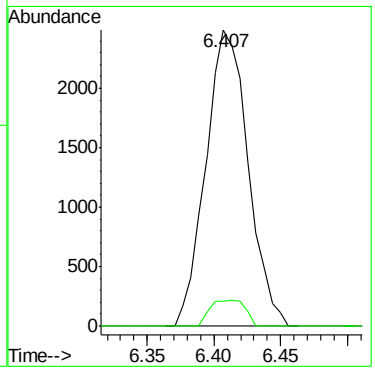




#29
Carbon Disulfide
Concen: 0.28 ppb(v)
RT: 6.407 min Scan# 461
Delta R.T. 0.049 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

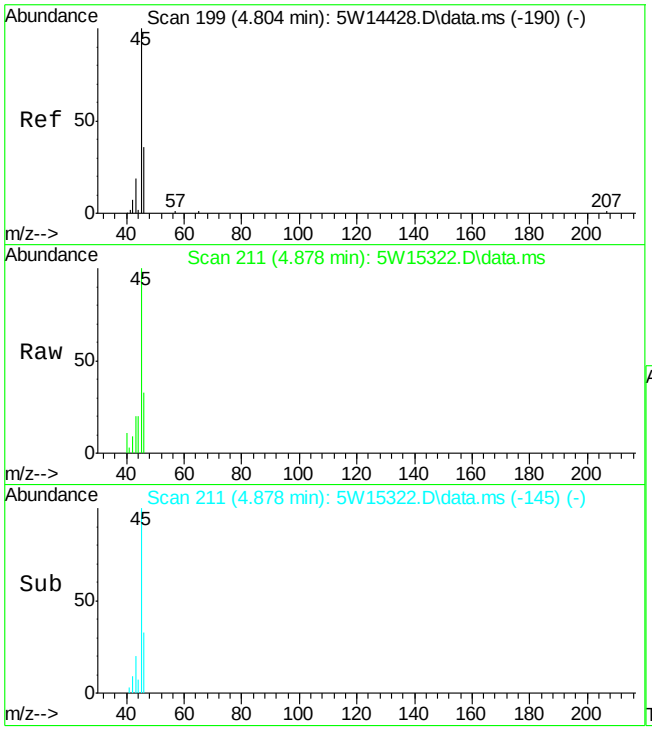
Tgt Ion: 76 Resp: 5486

Ion	Ratio	Lower	Upper
76	100		
78	8.4	6.4	11.8



7.1.4

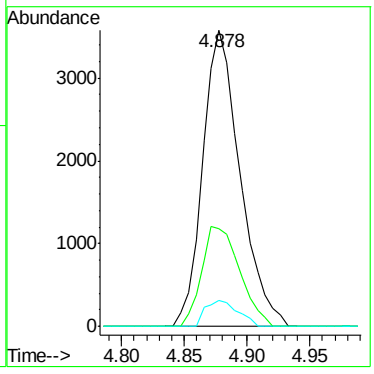
7

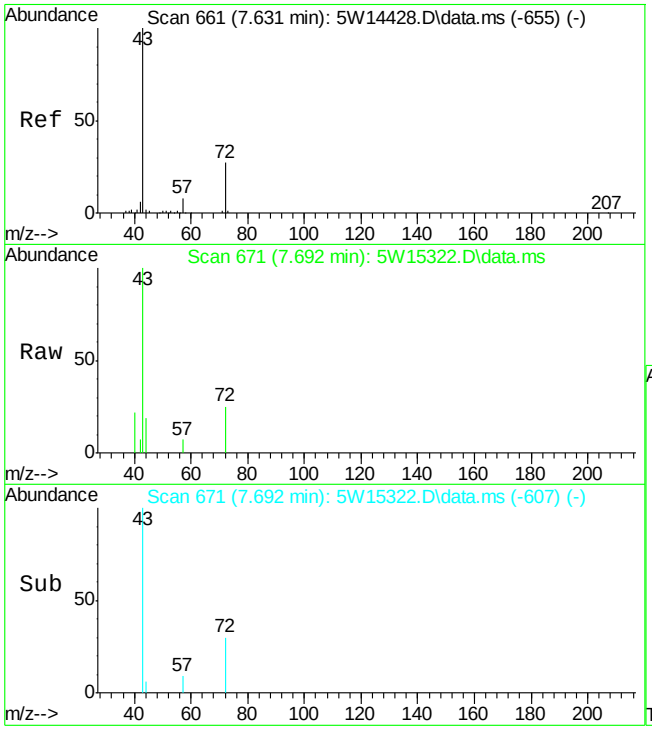


#30
Ethanol
Concen: 2.84 ppb(v)
RT: 4.878 min Scan# 211
Delta R.T. 0.074 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 45 Resp: 7387

Ion	Ratio	Lower	Upper
45	100		
46	33.1	24.9	46.3
42	8.7	5.5	10.3

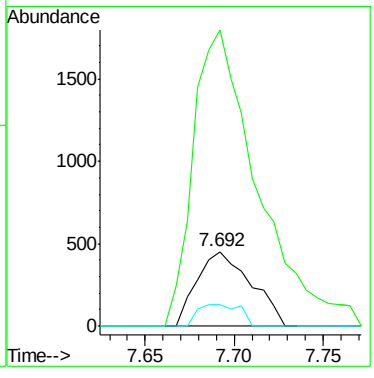


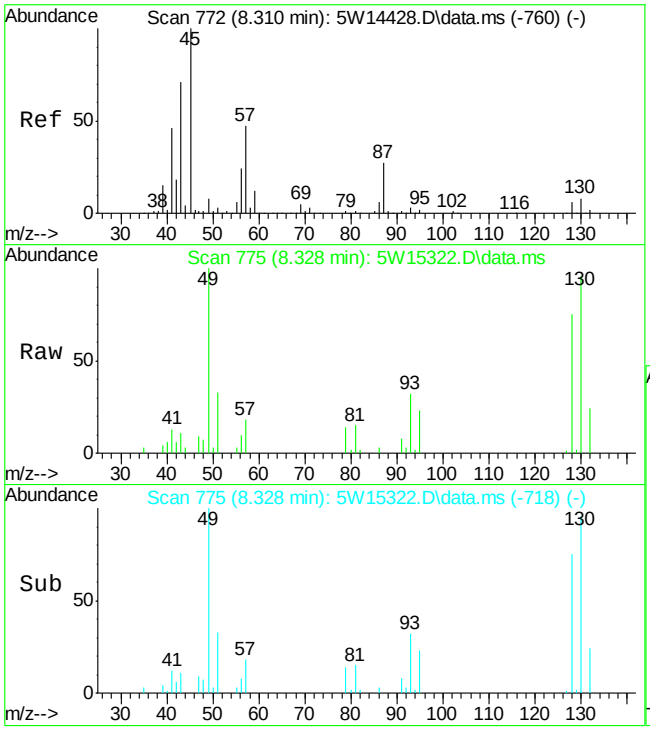


#38
2-Butanone
Concen: 0.31 ppb(v)
RT: 7.692 min Scan# 671
Delta R.T. 0.061 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 72 Resp: 952

Ion	Ratio	Lower	Upper
72	100		
43	399.3	259.9	482.7
57	29.3	20.6	38.2

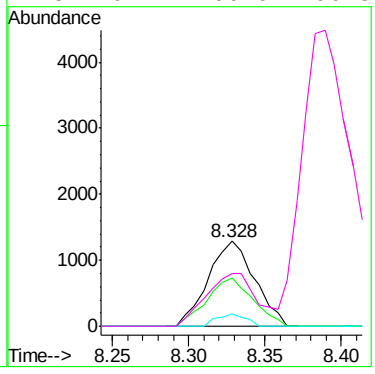


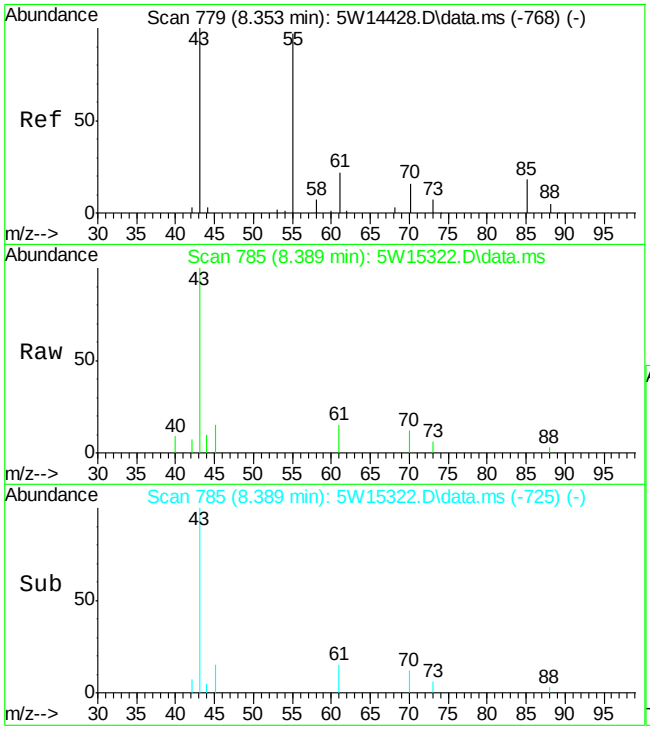


#39
Hexane
Concen: 0.25 ppb(v)
RT: 8.328 min Scan# 775
Delta R.T. 0.018 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 57 Resp: 2737

Ion	Ratio	Lower	Upper
57	100		
56	56.6	36.0	66.8
86	14.1	9.7	17.9
43	62.4	106.0	196.8#

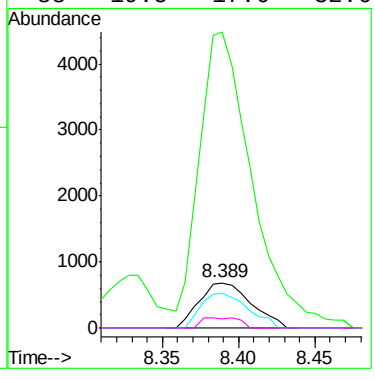


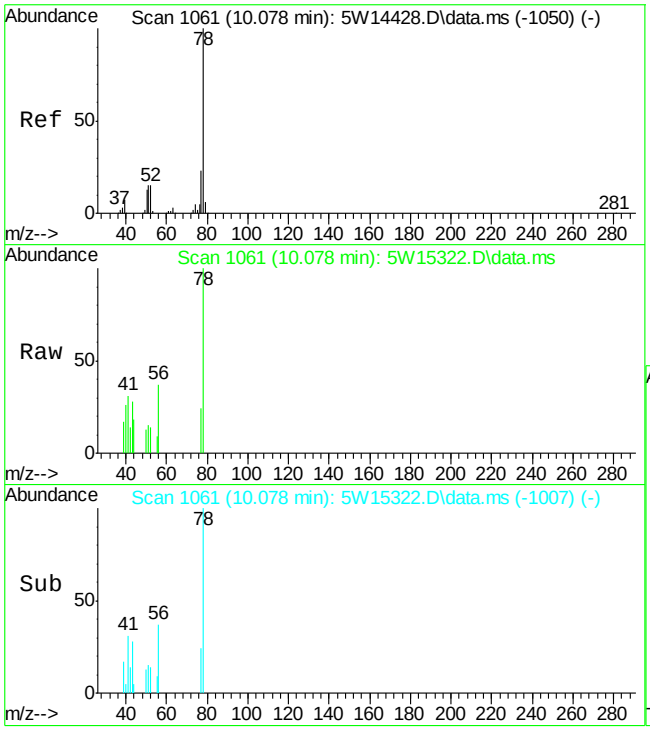


#42
Ethyl Acetate
Concen: 0.77 ppb(v)
RT: 8.389 min Scan# 785
Delta R.T. 0.037 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 61 Resp: 1628

Ion	Ratio	Lower	Upper
61	100		
43	657.8	463.2	860.2
70	78.3	51.2	95.2
88	19.5	17.6	32.6

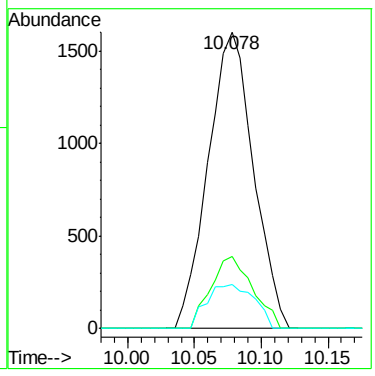


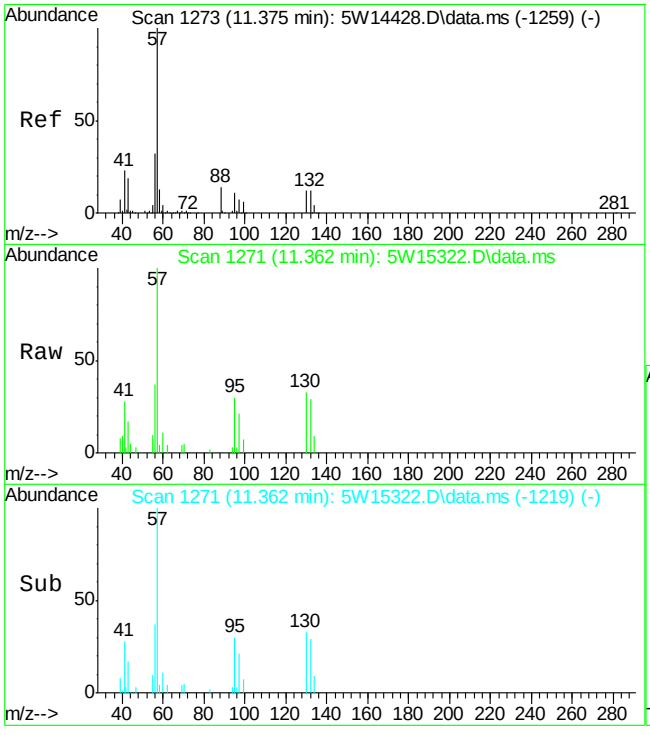


#49
Benzene
Concen: 0.18 ppb(v)
RT: 10.078 min Scan# 1061
Delta R.T. -0.000 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 78 Resp: 3777

Ion	Ratio	Lower	Upper
78	100		
77	24.1	16.4	30.4
51	15.0	10.4	19.4

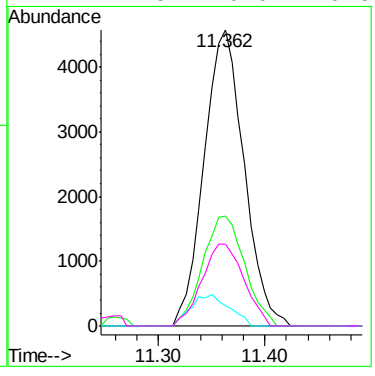


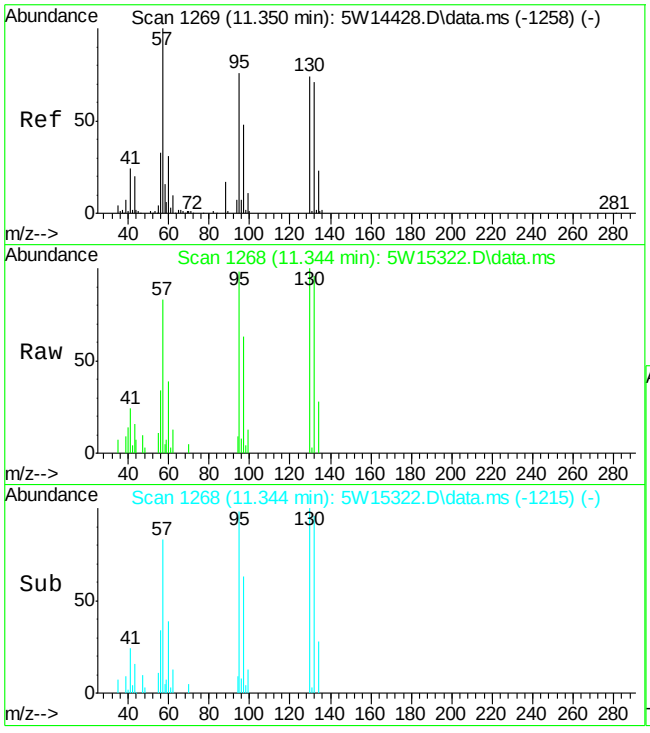


#54
2,2,4-Trimethylpentane
Concen: 0.37 ppb(v)
RT: 11.362 min Scan# 1271
Delta R.T. -0.012 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 57 Resp: 11870

Ion	Ratio	Lower	Upper
57	100		
56	37.3	22.4	41.6
99	7.0	3.9	7.3
41	27.5	16.0	29.8

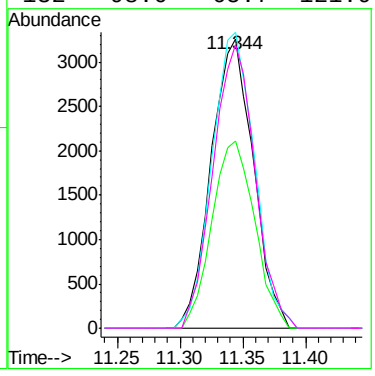


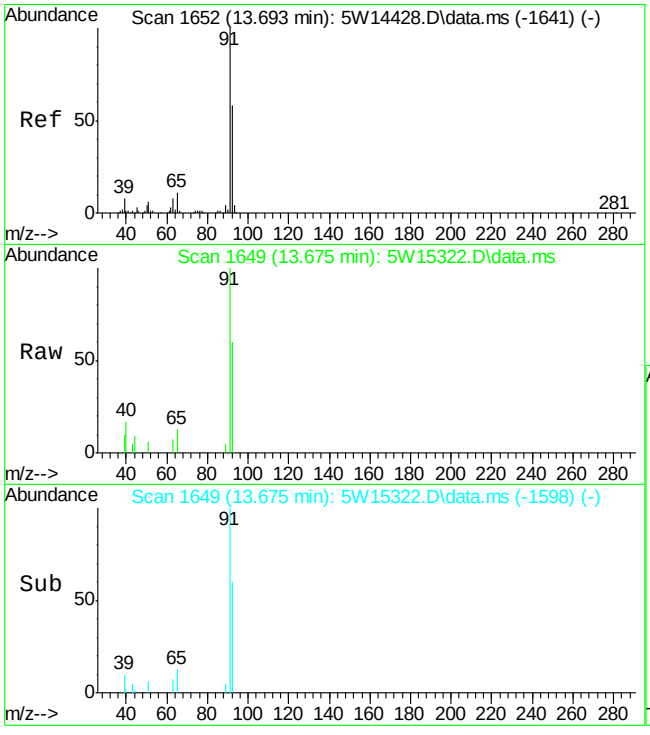


#56
Trichloroethene
Concen: 0.84 ppb(v)
RT: 11.344 min Scan# 1268
Delta R.T. -0.006 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 95 Resp: 7596

Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.5	82.7
130	102.3	68.7	127.7
132	98.0	65.7	121.9

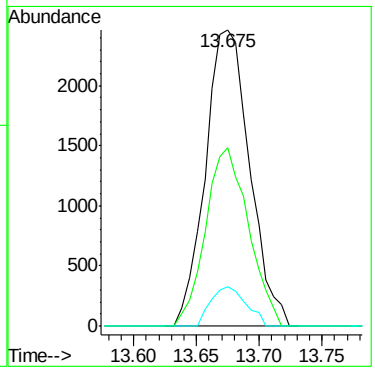


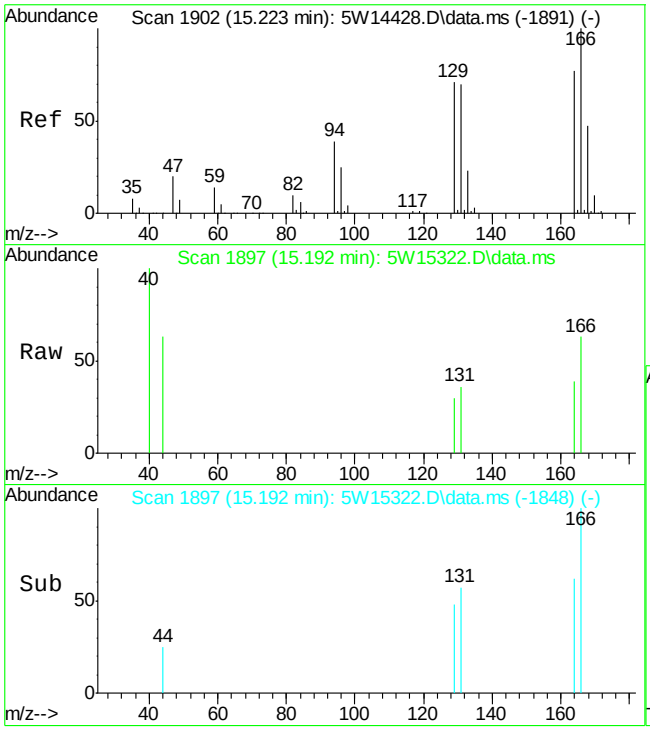


#66
Toluene
Concen: 0.26 ppb(v)
RT: 13.675 min Scan# 1649
Delta R.T. -0.018 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 91 Resp: 6025

Ion	Ratio	Lower	Upper
91	100		
92	60.2	40.5	75.3
65	13.2	7.8	14.4

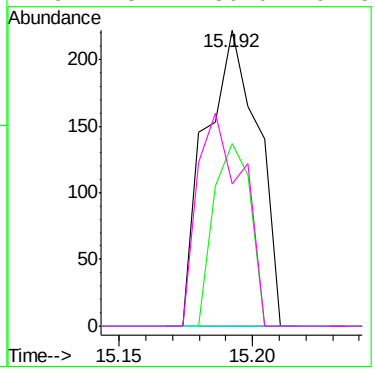


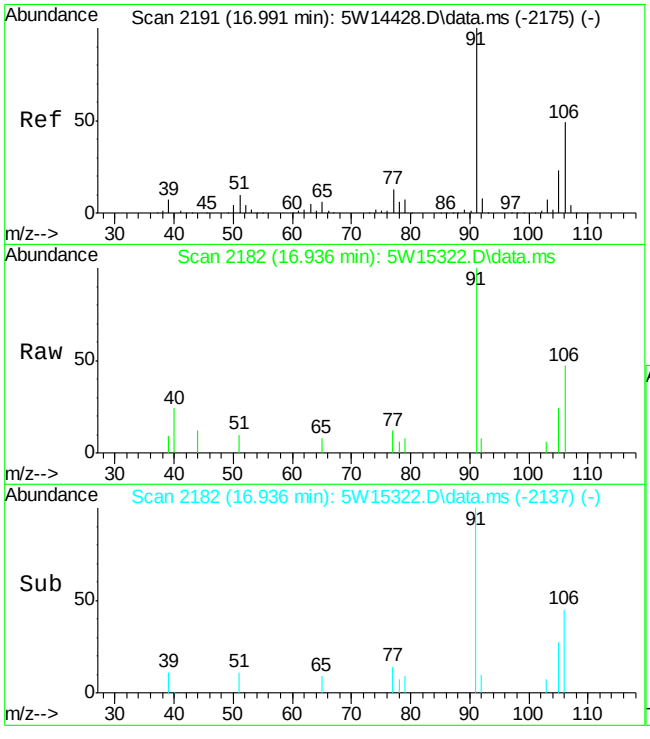


#71
Tetrachloroethene
Concen: 0.03 ppb(v)
RT: 15.192 min Scan# 1897
Delta R.T. -0.031 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion:166 Resp: 303

Ion	Ratio	Lower	Upper
166	100		
164	61.7	54.3	100.8
168	0.0	33.0	61.4#
129	48.2	50.0	92.8#

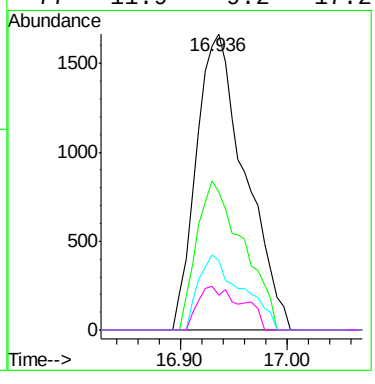




#78
m,p-Xylene
Concen: 0.24 ppb(v)
RT: 16.936 min Scan# 2182
Delta R.T. -0.055 min
Lab File: 5W15322.D
Acq: 24 Dec 2015 2:16 am

Tgt Ion: 91 Resp: 5290

Ion	Ratio	Lower	Upper
91	100		
106	46.7	34.6	64.2
105	23.6	16.0	29.8
77	11.9	9.2	17.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15323.D
Acq On : 24 Dec 2015 3:01 am
Operator : THOMASH
Sample : JC11091-5
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 14:11:49 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

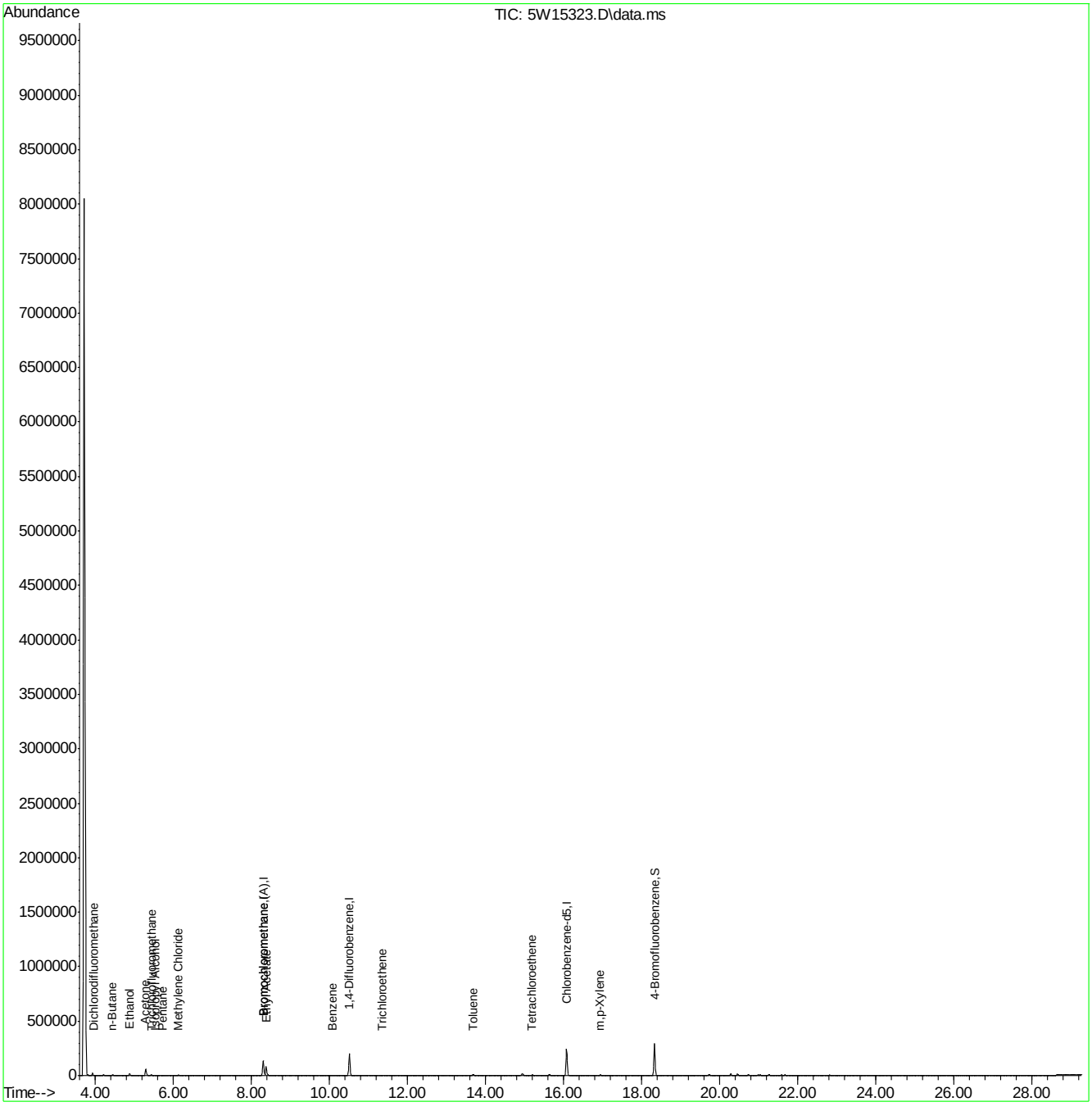
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.304	130	63009	10.00	ppb(v	0.02
53) 1,4-Difluorobenzene	10.506	114	208461	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.073	82	109242	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.304	130	63009	10.00	ppb(v	0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.324	95	138570	10.24	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.40%			
Target Compounds						Qvalue
6) Dichlorodifluoromethane	3.966	85	2065	0.13	ppb(v#	97
12) n-Butane	4.437	58	758	0.80	ppb(v#	75
20) Trichlorofluoromethane	5.434	101	5302	0.36	ppb(v	100
21) Acetone	5.288	58	26317	8.52	ppb(v	94
22) Pentane	5.734	57	339	0.19	ppb(v	92
25) Isopropyl Alcohol	5.532	45	3228	0.27	ppb(v#	81
28) Methylene Chloride	6.126	84	2402	0.37	ppb(v	98
30) Ethanol	4.872	45	23506	9.24	ppb(v	100
42) Ethyl Acetate	8.371	61	17774	8.61	ppb(v	94
49) Benzene	10.078	78	2325	0.11	ppb(v	96
56) Trichloroethene	11.344	95	1385	0.16	ppb(v	93
66) Toluene	13.675	91	8300	0.38	ppb(v	96
71) Tetrachloroethene	15.192	166	2352	0.21	ppb(v	96
78) m,p-Xylene	16.930	91	5783	0.27	ppb(v	95

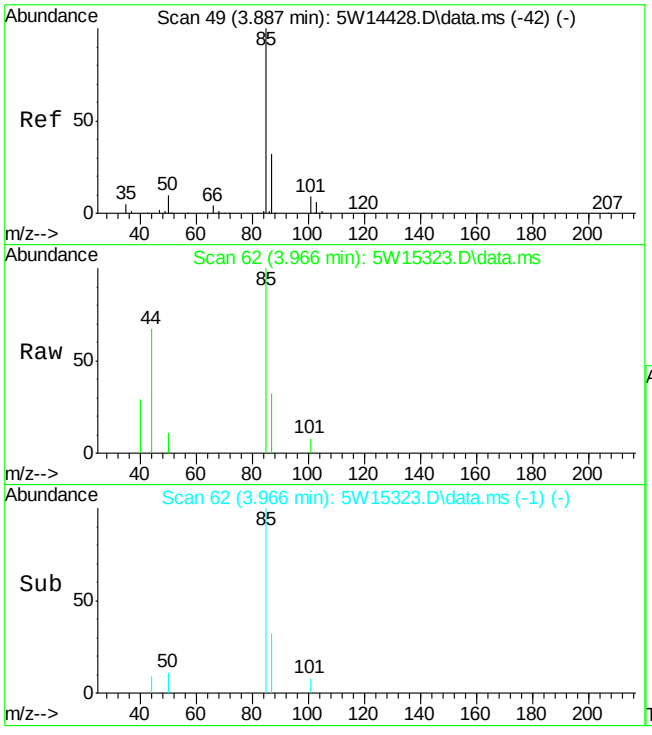
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15323.D
Acq On : 24 Dec 2015 3:01 am
Operator : THOMASH
Sample : JC11091-5
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 14:11:49 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

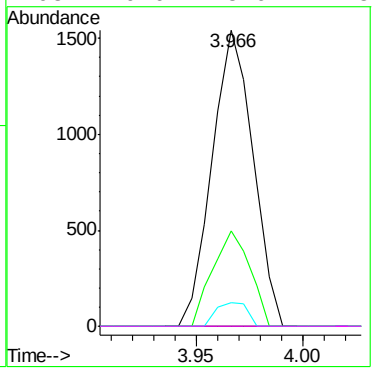


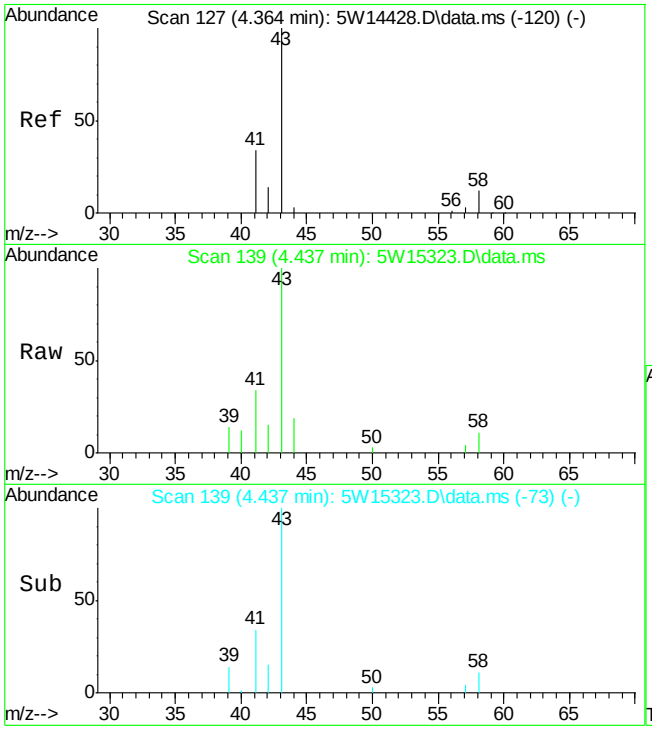


#6
Dichlorodifluoromethane
Concen: 0.13 ppb(v)
RT: 3.966 min Scan# 62
Delta R.T. 0.080 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 85 Resp: 2065

Ion	Ratio	Lower	Upper
85	100		
87	32.2	22.6	42.0
101	7.9	6.2	11.4
103	0.0	3.9	7.3#

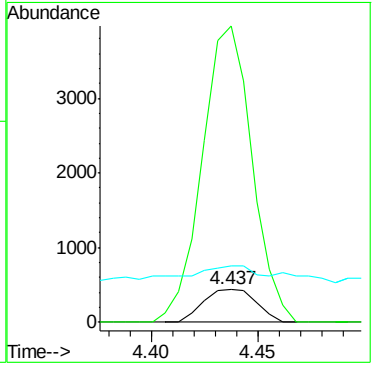


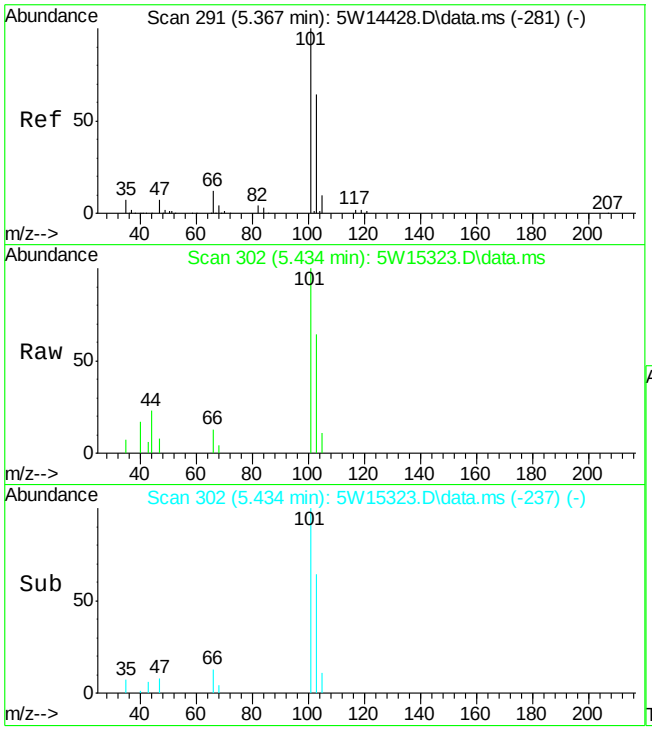


#12
n-Butane
Concen: 0.80 ppb(v)
RT: 4.437 min Scan# 139
Delta R.T. 0.073 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 58 Resp: 758

Ion	Ratio	Lower	Upper
58	100		
43	894.6	583.0	1082.8
44	168.7	30.3	56.3#

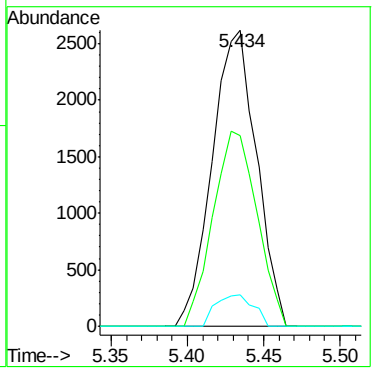


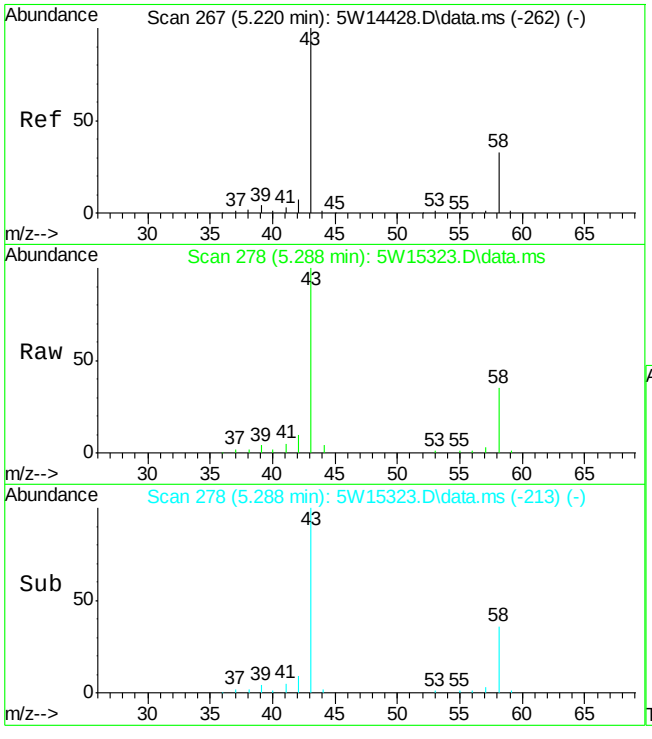


#20
Trichlorofluoromethane
Concen: 0.36 ppb(v)
RT: 5.434 min Scan# 302
Delta R.T. 0.067 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion:101 Resp: 5302

Ion	Ratio	Lower	Upper
101	100		
103	64.3	45.1	83.7
105	10.8	7.1	13.3

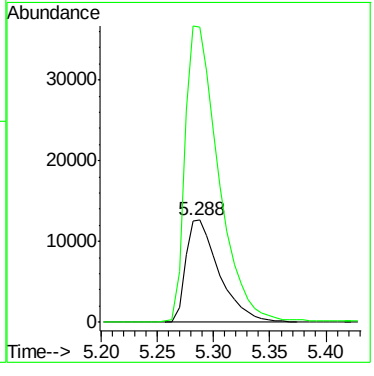


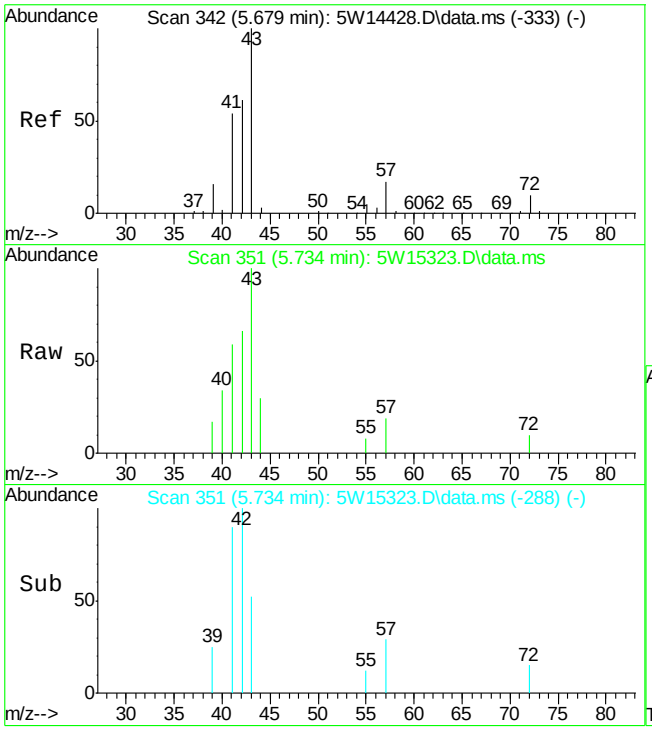


#21
Acetone
Concen: 8.52 ppb(v)
RT: 5.288 min Scan# 278
Delta R.T. 0.067 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 58 Resp: 26317

Ion	Ratio	Lower	Upper
58	100		
43	289.2	210.9	391.7

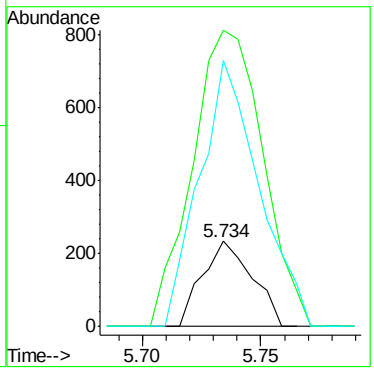


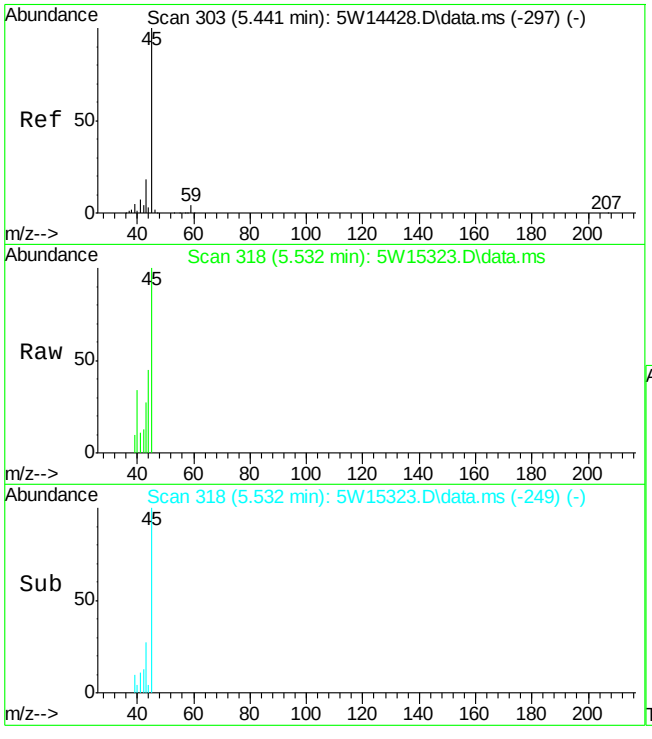


#22
Pentane
Concen: 0.19 ppb(v)
RT: 5.734 min Scan# 351
Delta R.T. 0.055 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 57 Resp: 339

Ion	Ratio	Lower	Upper
57	100		
42	348.1	259.0	481.0
41	312.4	227.7	422.9

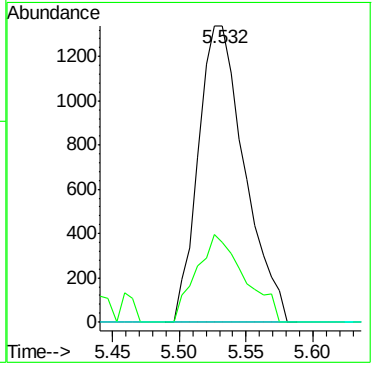


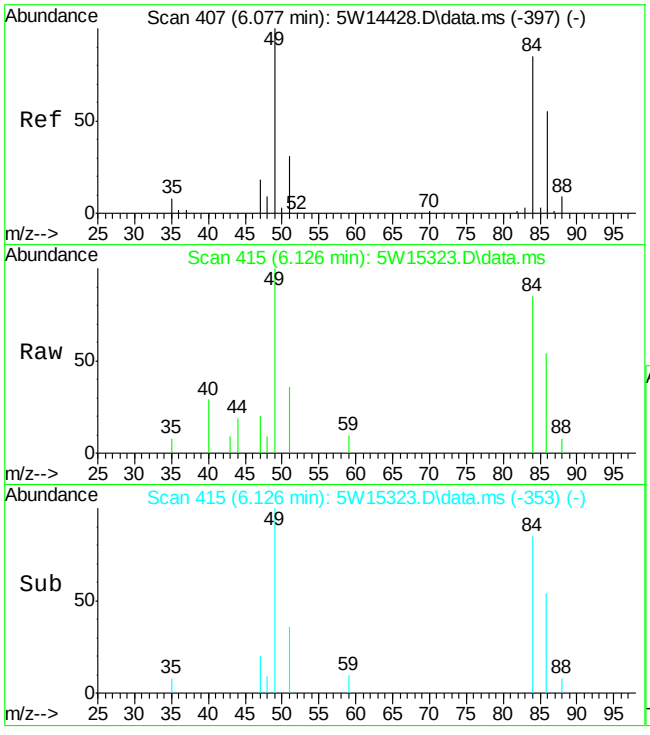


#25
Isopropyl Alcohol
Concen: 0.27 ppb(v)
RT: 5.532 min Scan# 318
Delta R.T. 0.092 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 45 Resp: 3228

Ion	Ratio	Lower	Upper
45	100		
43	26.8	12.6	23.4#
59	0.0	3.1	5.8#

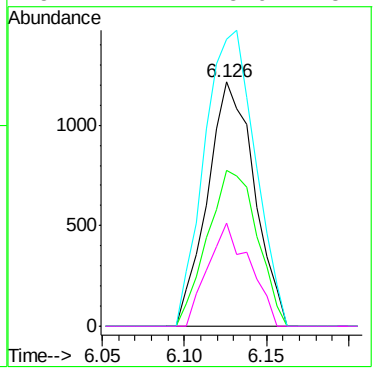


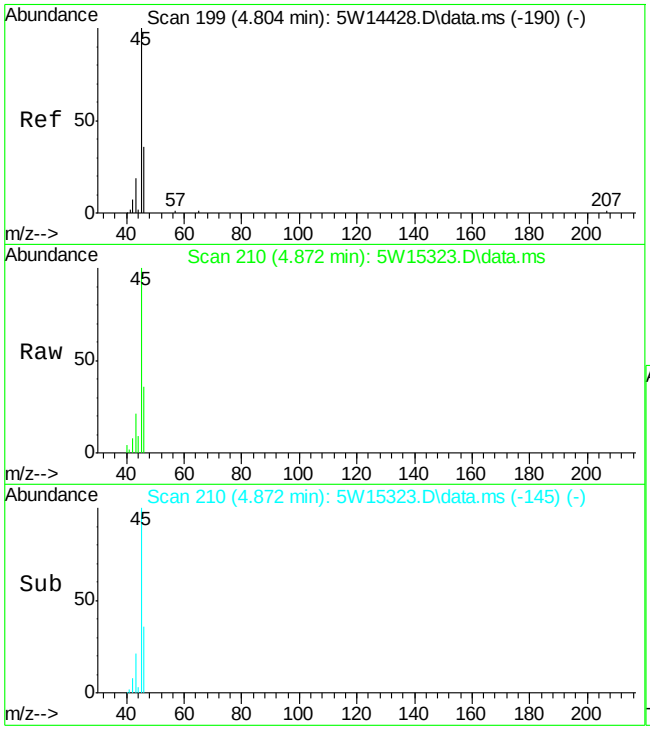


#28
Methylene Chloride
Concen: 0.37 ppb(v)
RT: 6.126 min Scan# 415
Delta R.T. 0.049 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 84 Resp: 2402

Ion	Ratio	Lower	Upper
84	100		
86	64.1	45.3	84.1
49	117.6	82.8	153.8
51	42.4	25.9	48.1

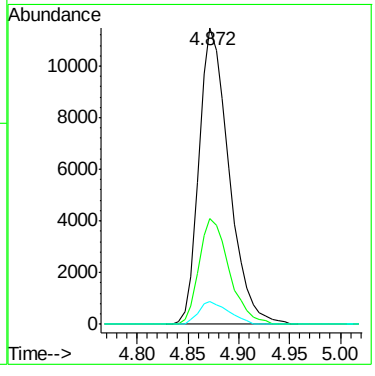


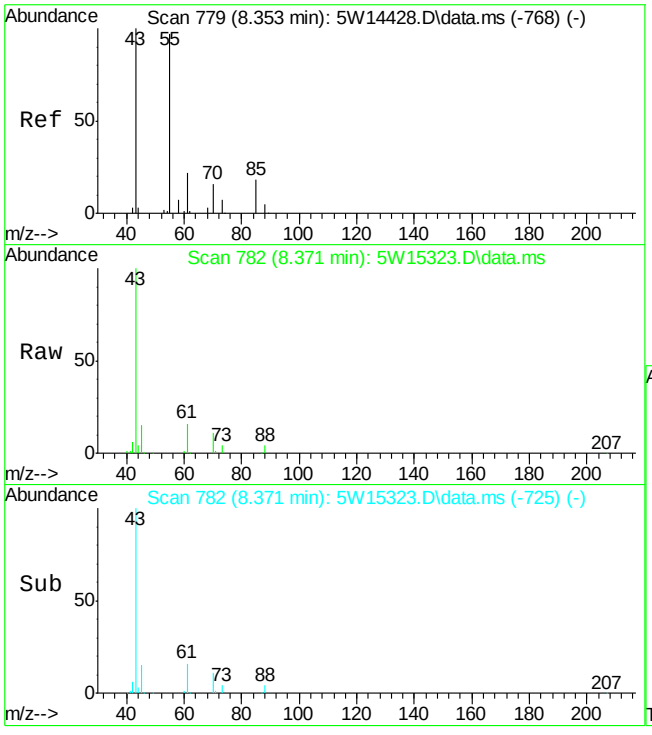


#30
Ethanol
Concen: 9.24 ppb(v)
RT: 4.872 min Scan# 210
Delta R.T. 0.068 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 45 Resp: 23506

Ion	Ratio	Lower	Upper
45	100		
46	35.8	24.9	46.3
42	7.6	5.5	10.3

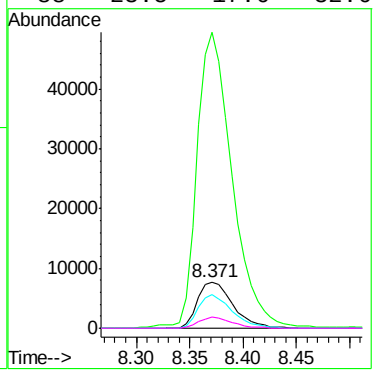


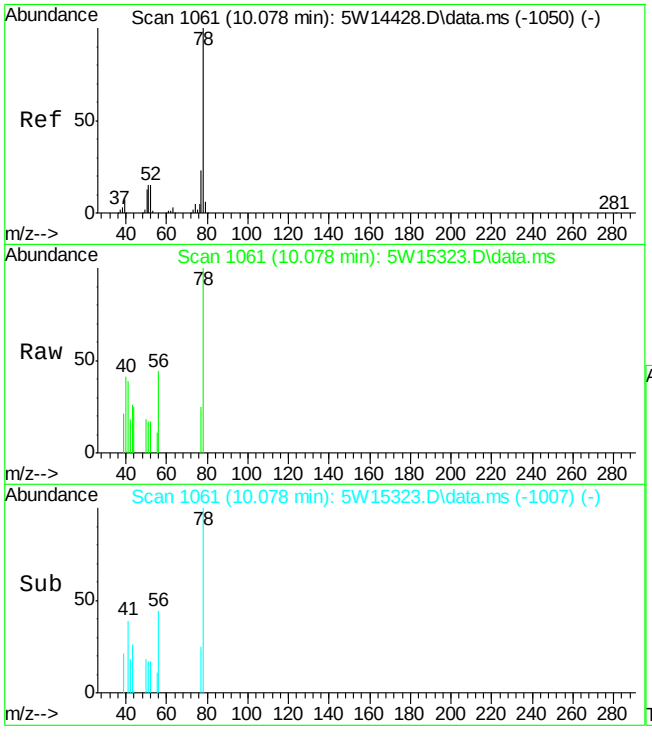


#42
Ethyl Acetate
Concen: 8.61 ppb(v)
RT: 8.371 min Scan# 782
Delta R.T. 0.018 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 61 Resp: 17774

Ion	Ratio	Lower	Upper
61	100		
43	637.9	463.2	860.2
70	71.9	51.2	95.2
88	23.5	17.6	32.6

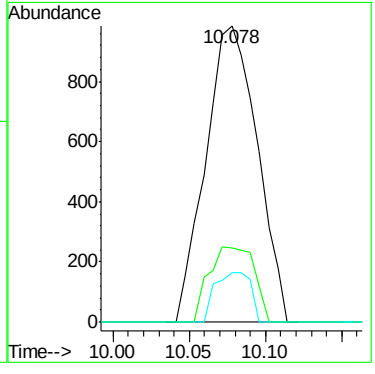


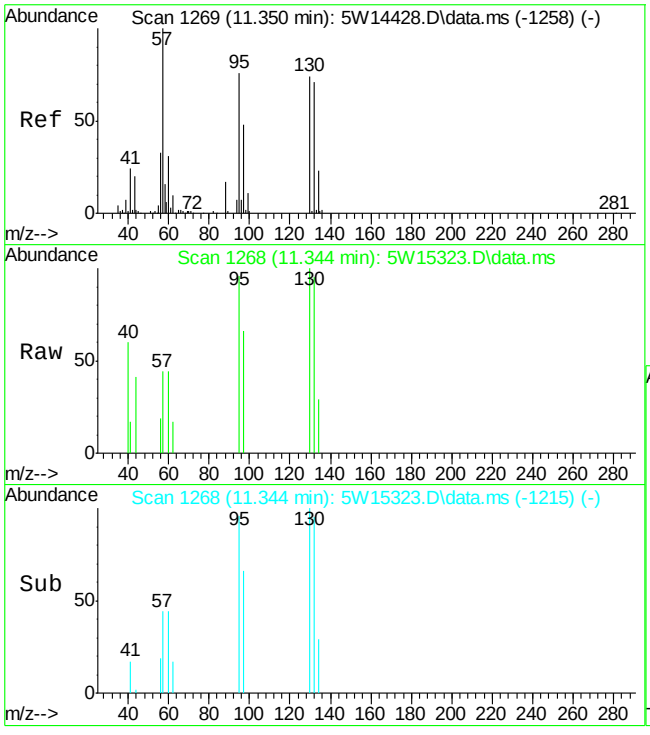


#49
Benzene
Concen: 0.11 ppb(v)
RT: 10.078 min Scan# 1061
Delta R.T. -0.000 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 78 Resp: 2325

Ion	Ratio	Lower	Upper
78	100		
77	25.1	16.4	30.4
51	16.6	10.4	19.4

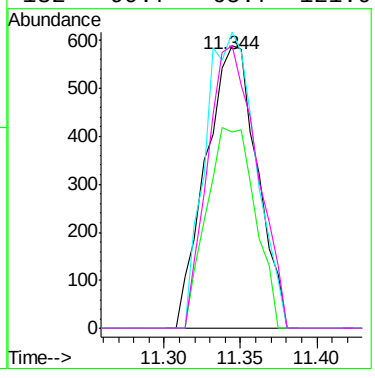


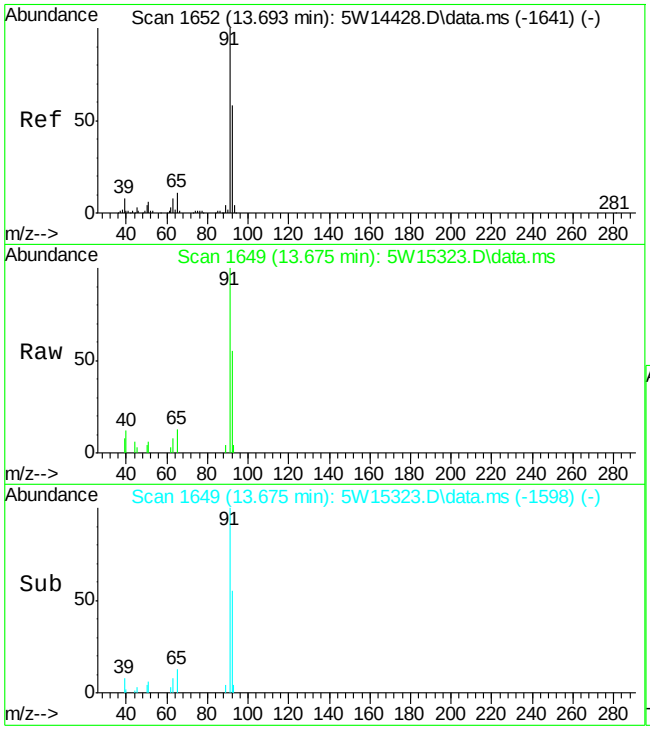


#56
Trichloroethene
Concen: 0.16 ppb(v)
RT: 11.344 min Scan# 1268
Delta R.T. -0.006 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 95 Resp: 1385

Ion	Ratio	Lower	Upper
95	100		
97	69.4	44.5	82.7
130	104.6	68.7	127.7
132	99.7	65.7	121.9

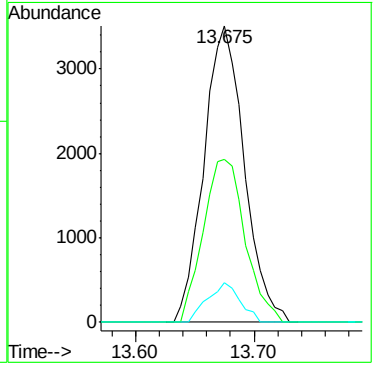




#66
Toluene
Concen: 0.38 ppb(v)
RT: 13.675 min Scan# 1649
Delta R.T. -0.018 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

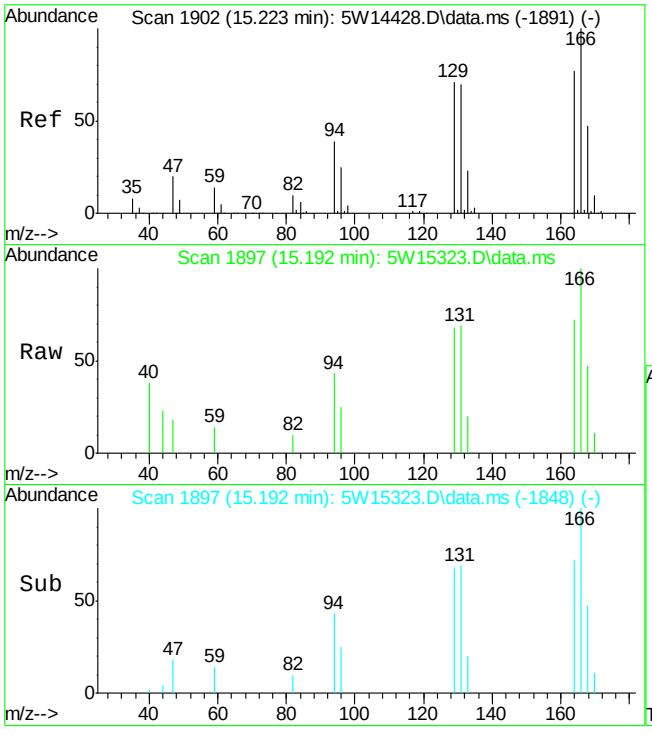
Tgt Ion: 91 Resp: 8300

Ion	Ratio	Lower	Upper
91	100		
92	54.8	40.5	75.3
65	13.2	7.8	14.4



7.1.5

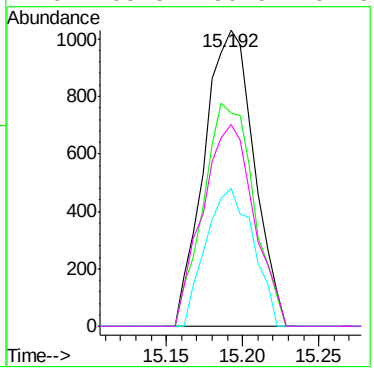
7

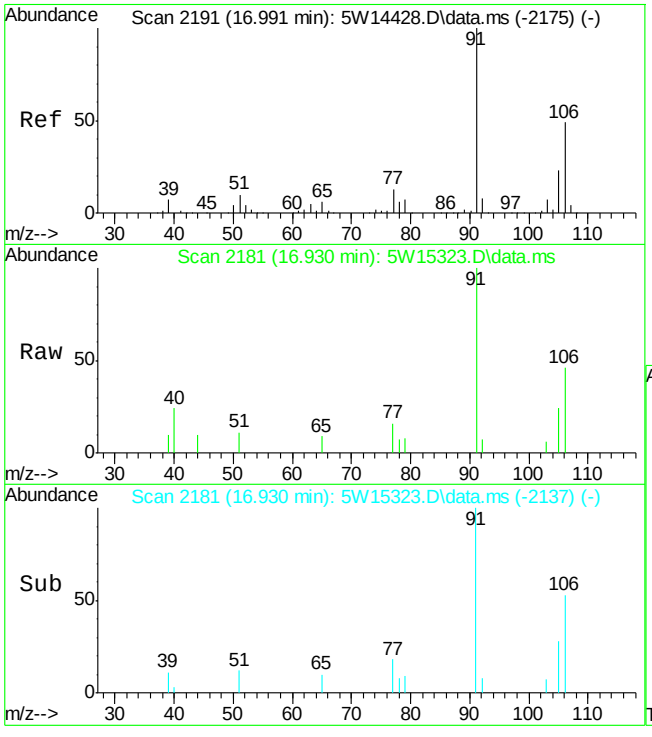


#71
Tetrachloroethene
Concen: 0.21 ppb(v)
RT: 15.192 min Scan# 1897
Delta R.T. -0.031 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion:166 Resp: 2352

Ion	Ratio	Lower	Upper
166	100		
164	71.8	54.3	100.8
168	46.5	33.0	61.4
129	68.3	50.0	92.8

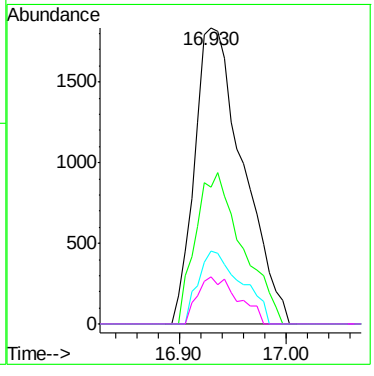




#78
m,p-Xylene
Concen: 0.27 ppb(v)
RT: 16.930 min Scan# 2181
Delta R.T. -0.061 min
Lab File: 5W15323.D
Acq: 24 Dec 2015 3:01 am

Tgt Ion: 91 Resp: 5783

Ion	Ratio	Lower	Upper
91	100		
106	46.3	34.6	64.2
105	24.5	16.0	29.8
77	15.9	9.2	17.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15309.D
Acq On : 23 Dec 2015 4:12 pm
Operator : THOMASH
Sample : MB
Misc : MS96317,v5w613,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 24 12:14:52 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.304	130	80862	10.00	ppb(v	0.02
53) 1,4-Difluorobenzene	10.506	114	279510	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.073	82	134641	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.304	130	80862	10.00	ppb(v	0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.318	95	171128	10.26	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.60%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

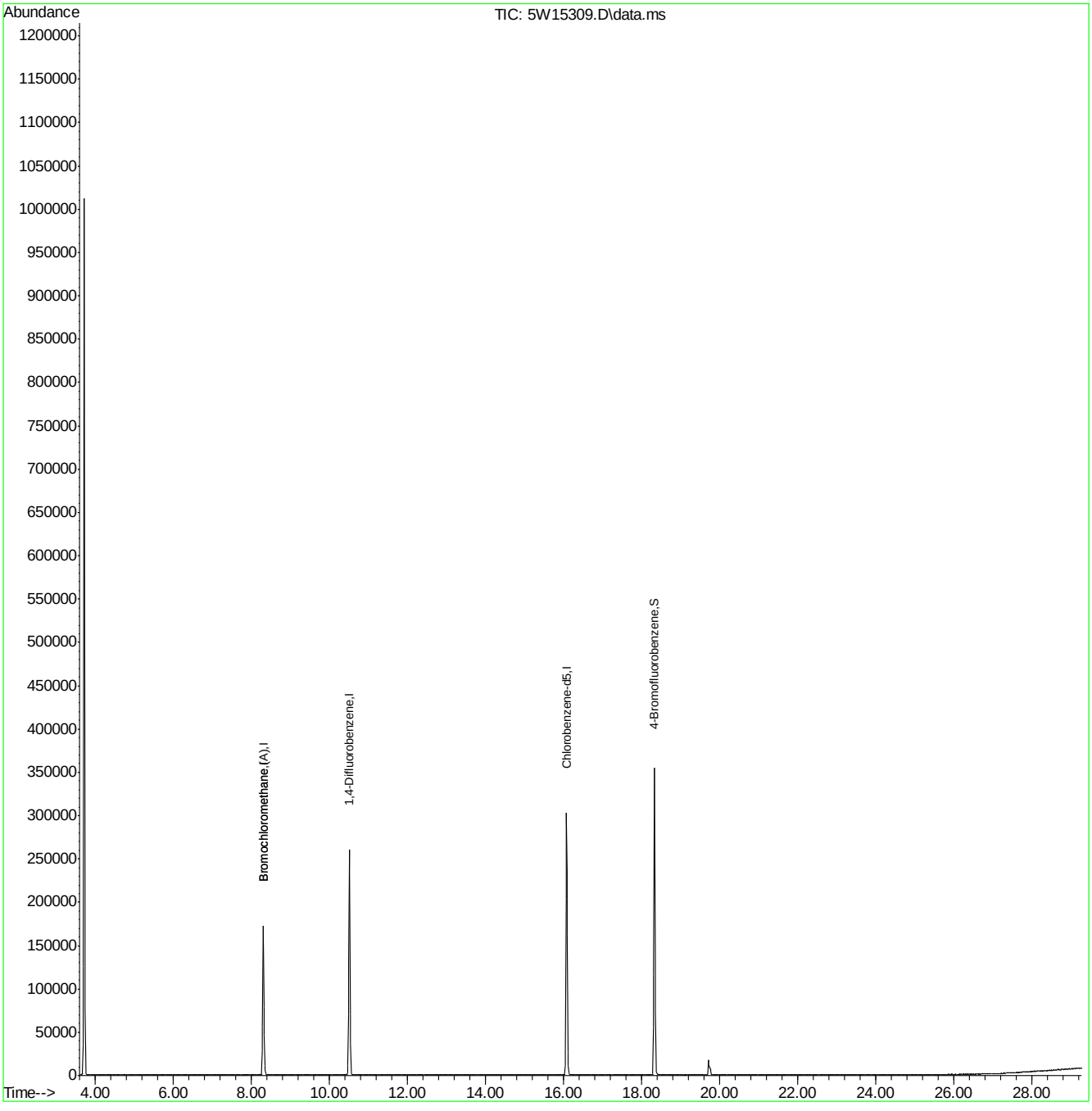
7.2.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15309.D
Acq On : 23 Dec 2015 4:12 pm
Operator : THOMASH
Sample : MB
Misc : MS96317,v5w613,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 24 12:14:52 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

```
Data File : C:\MSDCHEM\1\DATA\W52878.D                    Vial: 4
Acq On    : 10 Dec 2015  10:39 am                     Operator: YOUMINH
Sample    : MB                                        Inst    : MSW
Misc      : MS95273,VW2114,,,,,1                      Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 11:07:32 2015           Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title        : TO15 by GCMS w/Rtx-1, 60m  X 0.32mm ID X 1.0 um
Last Update  : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W
```

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.26	128	88949	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.99	114	400327	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	172939	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	171230	8.89	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 88.90%

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

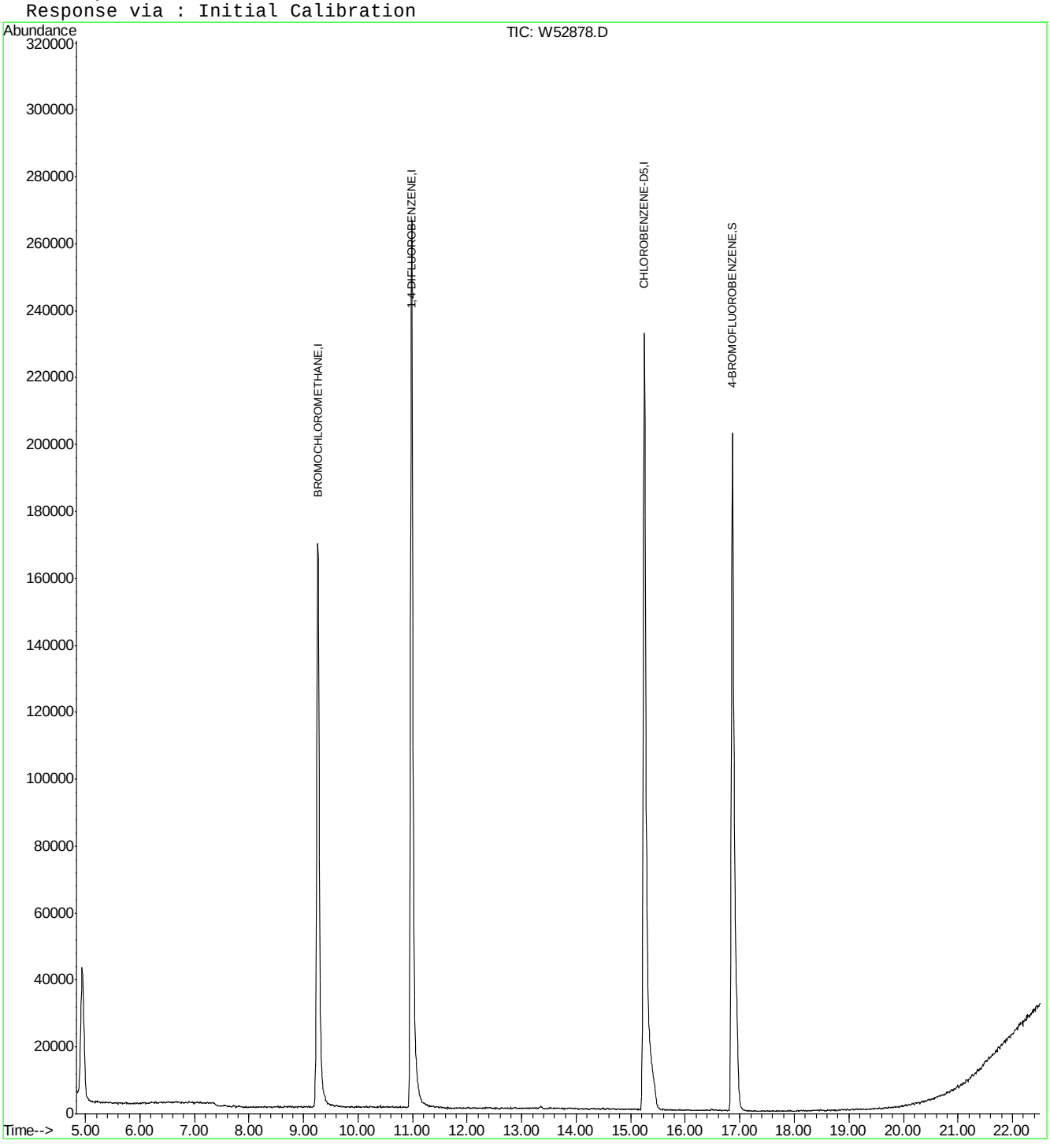
W52878.D MW2109.M Fri Dec 11 11:00:17 2015 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52878.D
Acq On : 10 Dec 2015 10:39 am
Sample : MB
Misc : MS95273,VW2114,,,,,1
MS Integration Params: rteint.p
Quant Time: Dec 11 10:28 2015

Vial: 4
Operator: YOUMINH
Inst : MSW
Multiplr: 1.00
Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15028.D
Acq On : 10 Dec 2015 1:48 pm
Operator : THOMASH
Sample : MB
Misc : MS95274,v5w602,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 11 11:06:26 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.365	130	111786	10.00	ppb(v	0.08
53) 1,4-Difluorobenzene	10.543	114	401928	10.00	ppb(v	0.03
75) Chlorobenzene-d5	16.079	82	200439	10.00	ppb(v	-0.03
106) Bromochloromethane (A)	8.365	130	111786	10.00	ppb(v	0.08
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.318	95	254882	10.27	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.70%			

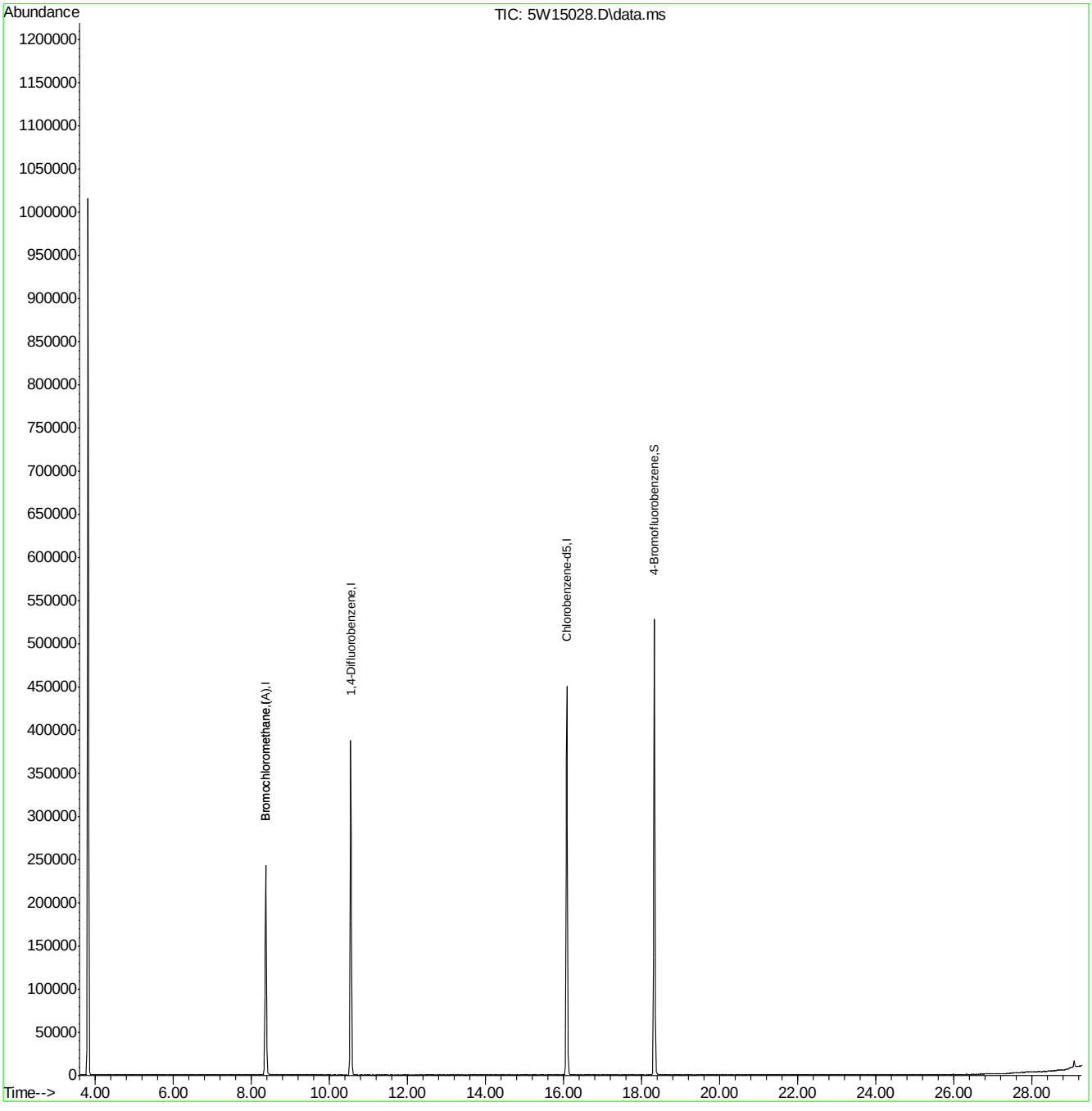
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15028.D
Acq On : 10 Dec 2015 1:48 pm
Operator : THOMASH
Sample : MB
Misc : MS95274,v5w602,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 11 11:06:26 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52938.D Vial: 4
Acq On : 15 Dec 2015 1:43 pm Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:18 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	131196	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.97	114	649878	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	282276	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	290883	9.25	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 92.50%

Target Compounds Qvalue

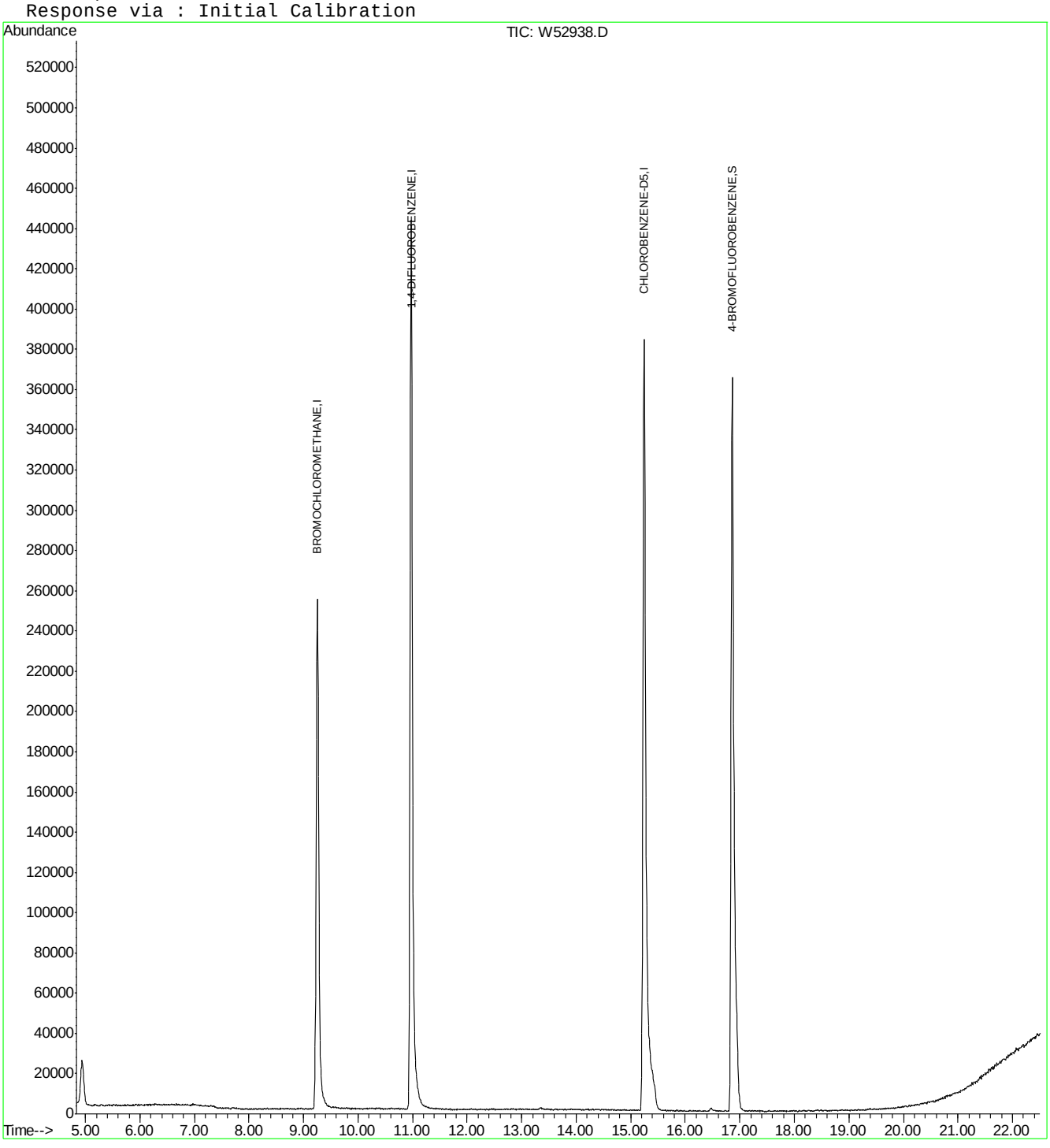
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52938.D
Acq On : 15 Dec 2015 1:43 pm
Sample : MB
Misc : MS95682,VW2116,,,,,1
MS Integration Params: rteint.p
Quant Time: Dec 16 10:22 2015

Vial: 4
Operator: YOUMINH
Inst : MSW
Multiplr: 1.00
Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15306.D
Acq On : 23 Dec 2015 1:05 pm
Operator : THOMASH
Sample : BS
Misc : MS96317,v5w613,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:14:03 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.310	130	84029	10.00	ppb(v	0.02
53) 1,4-Difluorobenzene	10.512	114	297082	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.079	82	152197	10.00	ppb(v	-0.03
106) Bromochloromethane (A)	8.310	130	84029	10.00	ppb(v	0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.324	95	189372	10.05	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.50%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.887	67	17922	9.14	ppb(v	97
5) Propene	3.911	41	51767	9.12	ppb(v	98
6) Dichlorodifluoromethane	3.972	85	199124	9.33	ppb(v	100
8) Chloromethane	4.107	50	65697	9.34	ppb(v	98
9) Dichlorotetrafluoroethane	4.186	85	221640	9.90	ppb(v	97
10) Vinyl Chloride	4.284	62	80501	9.74	ppb(v	99
11) 1,3-Butadiene	4.394	54	54457	8.89	ppb(v	98
12) n-Butane	4.437	58	12067	9.57	ppb(v	90
13) Bromomethane	4.627	94	81746	9.50	ppb(v	98
14) Chloroethane	4.768	64	37034	9.58	ppb(v	99
15) Dichlorofluoromethane	4.841	67	176772	9.40	ppb(v	99
16) Acetonitrile	5.073	41	58115	8.43	ppb(v	96
17) Freon 123	5.190	83	195030	9.52	ppb(v	99
18) Freon 123A	5.245	117	99141	9.38	ppb(v	98
19) Bromoethene	5.067	106	79992	9.92	ppb(v	98
20) Trichlorofluoromethane	5.428	101	181005	9.26	ppb(v	99
21) Acetone	5.288	58	34832	8.46	ppb(v	90
22) Pentane	5.740	57	19621	8.29	ppb(v	92
24) Iodomethane	5.942	142	232656	9.79	ppb(v	96
25) Isopropyl Alcohol	5.508	45	123947	7.89	ppb(v	99
26) 1,1-Dichloroethene	6.010	61	121855	8.99	ppb(v	97
27) Freon 113	6.370	101	176398	9.74	ppb(v	97
28) Methylene Chloride	6.132	84	73998	8.56	ppb(v	98
29) Carbon Disulfide	6.413	76	246318	9.71	ppb(v	100
30) Ethanol	4.878	45	28986	8.55	ppb(v	97
31) Acrylonitrile	5.710	53	61362	9.19	ppb(v	99
32) 3-Chloropropene	6.236	76	36623	9.68	ppb(v	96
33) trans-1,2-Dichloroethene	7.037	61	114277	9.31	ppb(v	96
34) tert-Butyl Alcohol	6.052	59	162617	8.44	ppb(v	99
35) Methyl tert-Butyl Ether	7.300	73	202026	8.23	ppb(v	100
36) Vinyl Acetate	7.398	43	205850	9.69	ppb(v	100
37) 1,1-Dichloroethane	7.245	63	144581	9.23	ppb(v	100
38) 2-Butanone	7.661	72	38908	9.65	ppb(v	100
39) Hexane	8.328	57	114019	7.86	ppb(v	97
40) cis-1,2-Dichloroethene	8.126	61	109900	9.30	ppb(v	96
41) Di-isopropyl Ether	8.334	87	65551	9.92	ppb(v	100
42) Ethyl Acetate	8.377	61	26915	9.78	ppb(v	91
43) Methyl Acrylate	8.365	55	145237	8.97	ppb(v	100
44) Chloroform	8.450	83	174318	9.41	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15306.D
Acq On : 23 Dec 2015 1:05 pm
Operator : THOMASH
Sample : BS
Misc : MS96317,v5w613,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:14:03 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.313	57	144539	8.24	ppb(v	98
46) Tetrahydrofuran	8.897	72	38700	9.62	ppb(v	94
47) 1,1,1-Trichloroethane	9.546	97	166024	9.04	ppb(v	99
48) 1,2-Dichloroethane	9.264	62	101131	9.19	ppb(v	100
49) Benzene	10.078	78	254006	9.25	ppb(v	99
50) Carbon Tetrachloride	10.255	117	173009	9.23	ppb(v	99
51) Cyclohexane	10.384	56	115212	8.78	ppb(v	99
52) 2,3-Dimethylpentane	10.671	71	52539	9.24	ppb(v	96
54) 2,2,4-Trimethylpentane	11.362	57	400949	9.21	ppb(v	99
55) Heptane	11.705	71	79148	9.36	ppb(v	99
56) Trichloroethene	11.344	95	117375	9.55	ppb(v	96
57) 1,2-Dichloropropane	11.044	63	100082	10.20	ppb(v	99
58) Dibromomethane	11.026	174	119072	10.46	ppb(v	99
59) Ethyl Acrylate	11.081	55	186883	9.09	ppb(v	100
60) Methyl Methacrylate	11.613	69	86333	8.86	ppb(v	99
61) 1,4-Dioxane	11.362	88	62829	10.03	ppb(v	95
62) Bromodichloromethane	11.295	83	189943	9.49	ppb(v	99
63) cis-1,3-Dichloropropene	12.427	75	153969	9.61	ppb(v	98
64) 4-Methyl-2-pentanone	12.470	58	77734	10.12	ppb(v	99
65) trans-1,3-Dichloropropene	13.106	75	137832	10.49	ppb(v	99
66) Toluene	13.675	91	300153	9.53	ppb(v	99
67) 1,1,2-Trichloroethane	13.314	97	111665	9.84	ppb(v	99
68) 2-Hexanone	14.042	58	106812	9.75	ppb(v	98
69) Ethyl Methacrylate	14.079	69	155714	9.41	ppb(v	99
70) Dibromochloromethane	14.232	129	215147	10.33	ppb(v	100
71) Tetrachloroethene	15.192	166	163419	10.46	ppb(v	98
72) 1,2-Dibromoethane	14.550	107	185052	10.48	ppb(v	100
73) Octane	15.021	43	181327	8.53	ppb(v	98
74) 1,1,1,2-Tetrachloroethane	16.116	131	141776	10.31	ppb(v	98
76) Chlorobenzene	16.134	112	250427	10.23	ppb(v	98
77) Ethylbenzene	16.679	91	384614	9.69	ppb(v	100
78) m,p-Xylene	16.954	91	599319	19.78	ppb(v	99
79) Styrene	17.474	104	231225	10.64	ppb(v	98
80) Nonane	18.006	43	186508	8.76	ppb(v	100
81) o-Xylene	17.627	91	303077	9.91	ppb(v	98
82) Bromoform	17.034	173	216600	10.75	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.627	83	264246	10.83	ppb(v	99
84) 1,2,3-Trichloropropane	17.823	75	184888	10.43	ppb(v	99
85) Isopropylbenzene	18.539	105	431931	10.08	ppb(v	99
86) Bromobenzene	18.649	156	150033	10.54	ppb(v	99
87) 2-Chlorotoluene	19.248	126	109043	10.05	ppb(v	97
88) n-Propylbenzene	19.322	120	116730	10.77	ppb(v	96
90) 4-Ethyltoluene	19.542	105	416548	10.56	ppb(v	99
91) 1,3,5-Trimethylbenzene	19.658	105	342617	10.09	ppb(v	99
92) alpha-Methylstyrene	19.891	118	186099	11.17	ppb(v	98
93) tert-Butylbenzene	20.227	134	75342	10.98	ppb(v	98
94) 1,2,4-Trimethylbenzene	20.239	105	354822	10.42	ppb(v	97
95) 1,3-Dichlorobenzene	20.429	146	250542	10.89	ppb(v	98
96) Benzyl Chloride	20.417	91	329700	10.83	ppb(v	99
97) 1,4-Dichlorobenzene	20.527	146	243014	10.24	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15306.D
Acq On : 23 Dec 2015 1:05 pm
Operator : THOMASH
Sample : BS
Misc : MS96317,v5w613,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:14:03 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.606	134	95550	11.02	ppb(v	97
99)	p-Isopropyltoluene	20.839	134	112254	11.41	ppb(v	90
100)	1,2-Dichlorobenzene	20.986	146	237599	11.06	ppb(v	98
101)	n-Butylbenzene	21.402	134	98311	11.06	ppb(v	99
102)	Hexachloroethane	21.867	201	146980	11.25	ppb(v	98
103)	1,2,4-Trichlorobenzene	23.182	180	161705	12.89	ppb(v	98
104)	Naphthalene	23.304	128	346527	12.36	ppb(v	99
105)	Hexachlorobutadiene	23.757	225	156200	11.79	ppb(v	99
107)	TVHC as equiv Pentane	5.734	TIC	466774	9.38	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

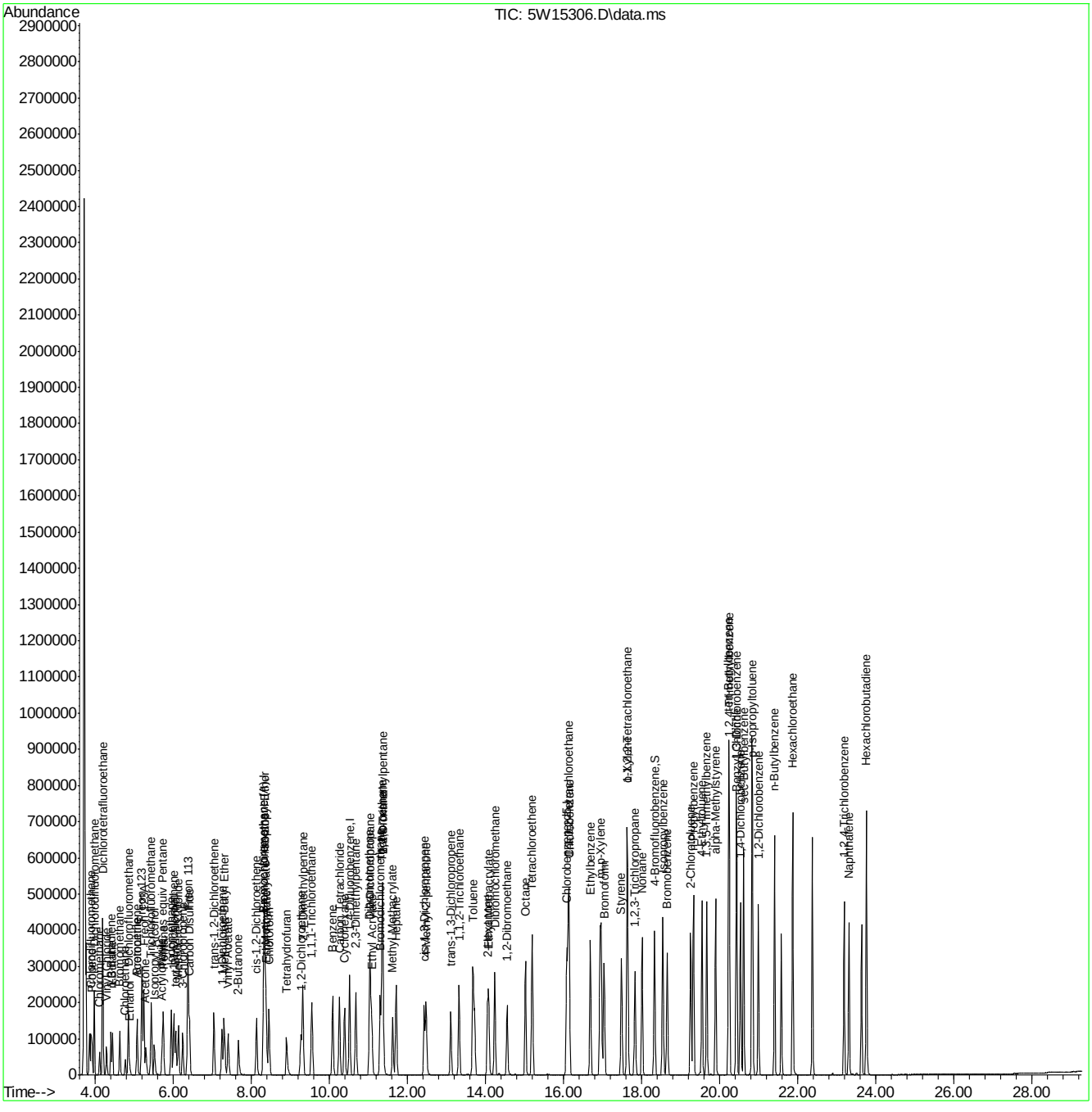
7.3.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15306.D
Acq On : 23 Dec 2015 1:05 pm
Operator : THOMASH
Sample : BS
Misc : MS96317,v5w613,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:14:03 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15307.D
Acq On : 23 Dec 2015 2:40 pm
Operator : THOMASH
Sample : BSD
Misc : MS96317,v5w613,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:14:23 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.310	130	93415	10.00	ppb(v	0.02
53) 1,4-Difluorobenzene	10.512	114	325936	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.073	82	168096	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.310	130	93415	10.00	ppb(v	0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.324	95	210836	10.13	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.30%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.880	67	19701	9.04	ppb(v	99
5) Propene	3.905	41	59527	9.43	ppb(v	99
6) Dichlorodifluoromethane	3.966	85	215176	9.07	ppb(v	99
8) Chloromethane	4.107	50	74989	9.59	ppb(v	100
9) Dichlorotetrafluoroethane	4.186	85	242180	9.73	ppb(v	98
10) Vinyl Chloride	4.284	62	89592	9.75	ppb(v	100
11) 1,3-Butadiene	4.394	54	61880	9.09	ppb(v	98
12) n-Butane	4.437	58	13564	9.68	ppb(v	94
13) Bromomethane	4.627	94	88430	9.25	ppb(v	98
14) Chloroethane	4.767	64	40646	9.46	ppb(v	99
15) Dichlorofluoromethane	4.841	67	193075	9.23	ppb(v	99
16) Acetonitrile	5.073	41	66656	8.69	ppb(v	96
17) Freon 123	5.190	83	213478	9.37	ppb(v	99
18) Freon 123A	5.245	117	105055	8.94	ppb(v	99
19) Bromoethene	5.067	106	87994	9.82	ppb(v	99
20) Trichlorofluoromethane	5.428	101	195013	8.98	ppb(v	99
21) Acetone	5.294	58	39261	8.58	ppb(v	89
22) Pentane	5.740	57	21458	8.15	ppb(v	96
24) Iodomethane	5.942	142	249981	9.47	ppb(v	98
25) Isopropyl Alcohol	5.508	45	142533	8.16	ppb(v	100
26) 1,1-Dichloroethene	6.009	61	134699	8.94	ppb(v	99
27) Freon 113	6.370	101	186148	9.25	ppb(v	99
28) Methylene Chloride	6.132	84	81337	8.46	ppb(v	99
29) Carbon Disulfide	6.413	76	267093	9.47	ppb(v	100
30) Ethanol	4.878	45	32978	8.75	ppb(v	99
31) Acrylonitrile	5.710	53	68813	9.27	ppb(v	99
32) 3-Chloropropene	6.236	76	40034	9.51	ppb(v	96
33) trans-1,2-Dichloroethene	7.037	61	125401	9.19	ppb(v	97
34) tert-Butyl Alcohol	6.052	59	180291	8.42	ppb(v	99
35) Methyl tert-Butyl Ether	7.300	73	223552	8.19	ppb(v	99
36) Vinyl Acetate	7.404	43	229245	9.71	ppb(v	100
37) 1,1-Dichloroethane	7.245	63	161352	9.27	ppb(v	100
38) 2-Butanone	7.661	72	42243	9.42	ppb(v	98
39) Hexane	8.328	57	129163	8.01	ppb(v	95
40) cis-1,2-Dichloroethene	8.132	61	116237	8.85	ppb(v	95
41) Di-isopropyl Ether	8.334	87	73181	9.96	ppb(v	99
42) Ethyl Acetate	8.377	61	30351	9.92	ppb(v	95
43) Methyl Acrylate	8.365	55	162658	9.04	ppb(v	100
44) Chloroform	8.450	83	190703	9.26	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15307.D
Acq On : 23 Dec 2015 2:40 pm
Operator : THOMASH
Sample : BSD
Misc : MS96317,v5w613,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:14:23 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.313	57	152739	7.84	ppb(v	99
46) Tetrahydrofuran	8.897	72	42264	9.45	ppb(v	98
47) 1,1,1-Trichloroethane	9.545	97	178012	8.72	ppb(v	99
48) 1,2-Dichloroethane	9.264	62	107135	8.76	ppb(v	99
49) Benzene	10.078	78	272192	8.91	ppb(v	99
50) Carbon Tetrachloride	10.255	117	184503	8.86	ppb(v	99
51) Cyclohexane	10.383	56	128629	8.82	ppb(v	99
52) 2,3-Dimethylpentane	10.671	71	57548	9.11	ppb(v	99
54) 2,2,4-Trimethylpentane	11.362	57	431146	9.02	ppb(v	99
55) Heptane	11.705	71	85422	9.21	ppb(v	97
56) Trichloroethene	11.344	95	126290	9.36	ppb(v	97
57) 1,2-Dichloropropane	11.050	63	107199	9.95	ppb(v	98
58) Dibromomethane	11.026	174	124878	10.00	ppb(v	99
59) Ethyl Acrylate	11.081	55	199166	8.83	ppb(v	100
60) Methyl Methacrylate	11.613	69	92958	8.70	ppb(v	99
61) 1,4-Dioxane	11.362	88	66507	9.67	ppb(v	97
62) Bromodichloromethane	11.295	83	203510	9.27	ppb(v	100
63) cis-1,3-Dichloropropene	12.427	75	163957	9.32	ppb(v	99
64) 4-Methyl-2-pentanone	12.470	58	82481	9.78	ppb(v	99
65) trans-1,3-Dichloropropene	13.106	75	144979	10.06	ppb(v	98
66) Toluene	13.675	91	330804	9.57	ppb(v	100
67) 1,1,2-Trichloroethane	13.320	97	119088	9.56	ppb(v	99
68) 2-Hexanone	14.042	58	116148	9.66	ppb(v	99
69) Ethyl Methacrylate	14.079	69	169442	9.34	ppb(v	100
70) Dibromochloromethane	14.232	129	231474	10.13	ppb(v	99
71) Tetrachloroethene	15.192	166	170713	9.96	ppb(v	99
72) 1,2-Dibromoethane	14.550	107	195401	10.09	ppb(v	98
73) Octane	15.021	43	194695	8.35	ppb(v	98
74) 1,1,1,2-Tetrachloroethane	16.116	131	152826	10.13	ppb(v	99
76) Chlorobenzene	16.140	112	269885	9.98	ppb(v	97
77) Ethylbenzene	16.679	91	418707	9.55	ppb(v	100
78) m,p-Xylene	16.954	91	641604	19.18	ppb(v	99
79) Styrene	17.480	104	245337	10.22	ppb(v	98
80) Nonane	18.006	43	192219	8.18	ppb(v	99
81) o-Xylene	17.633	91	324661	9.61	ppb(v	98
82) Bromoform	17.033	173	228833	10.29	ppb(v	100
83) 1,1,2,2-Tetrachloroethane	17.627	83	280155	10.39	ppb(v	99
84) 1,2,3-Trichloropropane	17.823	75	198891	10.16	ppb(v	99
85) Isopropylbenzene	18.538	105	465351	9.83	ppb(v	99
86) Bromobenzene	18.649	156	163326	10.39	ppb(v	98
87) 2-Chlorotoluene	19.254	126	115804	9.66	ppb(v	94
88) n-Propylbenzene	19.321	120	123732	10.34	ppb(v	97
90) 4-Ethyltoluene	19.542	105	450564	10.34	ppb(v	99
91) 1,3,5-Trimethylbenzene	19.658	105	362175	9.66	ppb(v	99
92) alpha-Methylstyrene	19.890	118	198665	10.79	ppb(v	99
93) tert-Butylbenzene	20.227	134	77897	10.28	ppb(v	98
94) 1,2,4-Trimethylbenzene	20.239	105	369631	9.83	ppb(v	96
95) 1,3-Dichlorobenzene	20.429	146	264386	10.41	ppb(v	99
96) Benzyl Chloride	20.417	91	351249	10.45	ppb(v	99
97) 1,4-Dichlorobenzene	20.527	146	263257	10.04	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15307.D
Acq On : 23 Dec 2015 2:40 pm
Operator : THOMASH
Sample : BSD
Misc : MS96317,v5w613,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:14:23 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.606	134	99582	10.40	ppb(v	99
99)	p-Isopropyltoluene	20.833	134	115335	10.61	ppb(v	100
100)	1,2-Dichlorobenzene	20.985	146	256386	10.81	ppb(v	98
101)	n-Butylbenzene	21.401	134	103976	10.59	ppb(v	99
102)	Hexachloroethane	21.866	201	154544	10.71	ppb(v	98
103)	1,2,4-Trichlorobenzene	23.182	180	173810	12.55	ppb(v	98
104)	Naphthalene	23.304	128	372881	12.04	ppb(v	100
105)	Hexachlorobutadiene	23.757	225	157200	10.74	ppb(v	99
107)	TVHC as equiv Pentane	5.734	TIC	526250	9.51	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

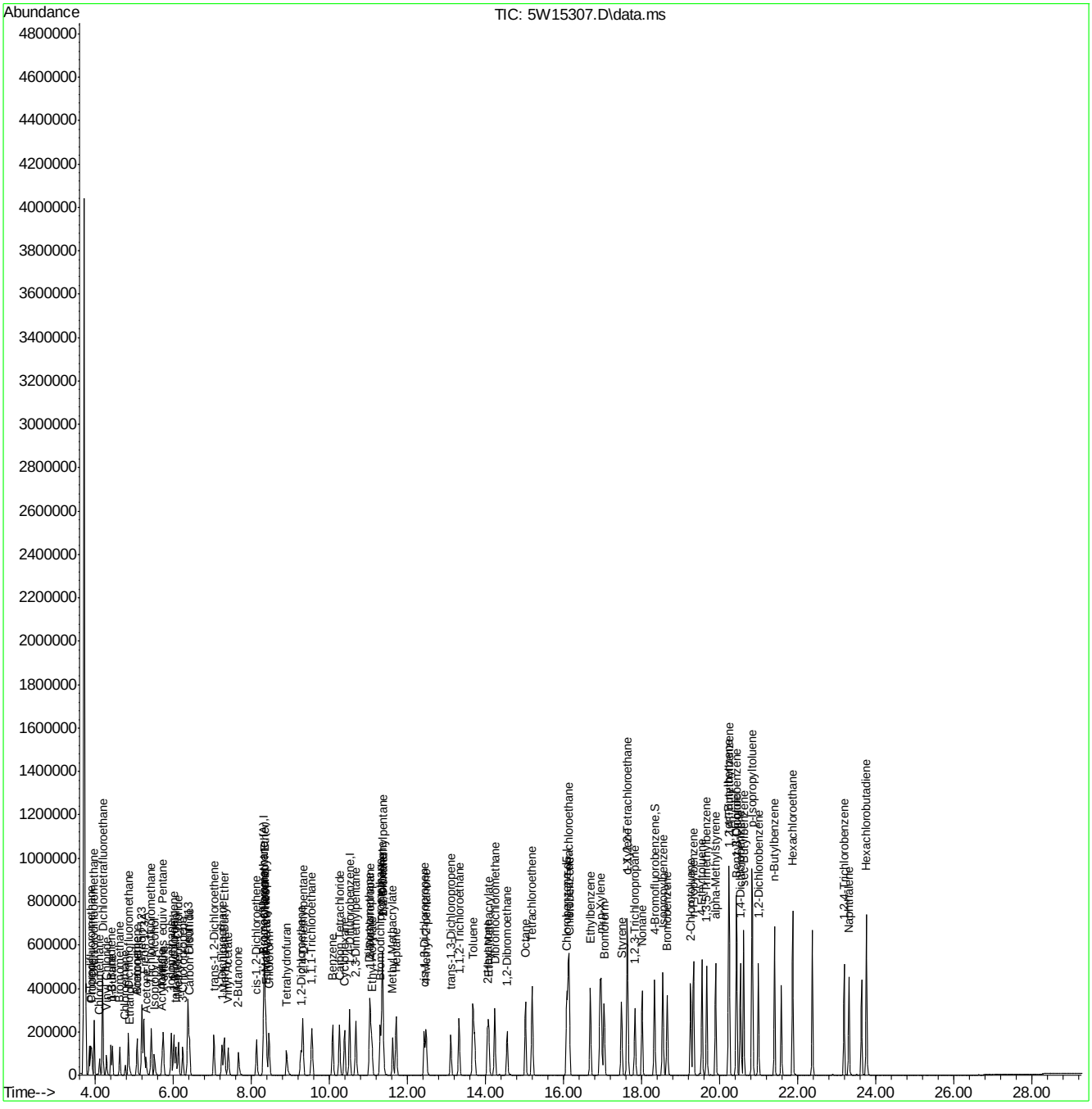
7.3.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15307.D
Acq On : 23 Dec 2015 2:40 pm
Operator : THOMASH
Sample : BSD
Misc : MS96317,v5w613,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:14:23 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52875.D Vial: 3
Acq On : 10 Dec 2015 8:11 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 08:59:06 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.26	128	99300	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	470050	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	226047	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.86	95	265265	10.53	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.30%			
Target Compounds						Qvalue
3) FREON 152A	5.10	65	87689	9.73	PPBV	99
4) CHLORODIFLUOROMETHANE	5.15	67	31313	10.10	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.25	85	338612	9.63	PPBV	100
6) PROPYLENE	5.18	41	117732	9.45	PPBV	99
7) FREON 114	5.49	85	362845	9.68	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.38	65	250949	10.65	PPBV	99
9) CHLOROMETHANE	5.41	52	41756	10.21	PPBV #	89
10) VINYL CHLORIDE	5.61	62	148264	10.21	PPBV	100
11) 1,3-BUTADIENE	5.73	54	111271	9.84	PPBV	96
12) n-BUTANE	5.77	58	32251	9.98	PPBV	98
13) BROMOMETHANE	5.98	94	124478	10.09	PPBV	100
14) CHLOROETHANE	6.12	64	72679	9.94	PPBV	98
15) DICHLOROFLUOROMETHANE	6.19	67	269535	9.66	PPBV	99
16) ACROLEIN	6.51	56	47261	8.87	PPBV	96
17) TRICHLOROFLUOROMETHANE	6.77	101	312039	10.11	PPBV	100
18) ISOPROPYL ALCOHOL	6.82	43	34828	10.02	PPBV #	82
19) ACETONE	6.63	58	55625	9.43	PPBV #	84
21) ACRYLONITRILE	7.00	53	88841	10.26	PPBV	99
22) PENTANE	7.05	57	34685	9.00	PPBV	96
23) IODOMETHANE	7.27	142	307434	8.74	PPBV	96
24) 1,1-DICHLOROETHYLENE	7.31	96	123542	8.48	PPBV	93
25) CARBON DISULFIDE	7.71	76	373155	9.08	PPBV	98
26) ETHANOL	6.21	45	49101	9.38	PPBV	99
27) ACETONITRILE	6.41	41	88208	9.67	PPBV	97
28) BROMOETHENE	6.43	106	122565	9.73	PPBV	99
29) METHYLENE CHLORIDE	7.40	84	112066	8.55	PPBV	98
30) 3-CHLOROPROPENE	7.50	76	60546	9.24	PPBV	94
31) FREON 113	7.61	151	203353	8.78	PPBV	97
32) TRANS-1,2-DICHLOROETHYLENE	8.20	96	127600	8.72	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.32	59	236187	9.54	PPBV	99
34) METHYL TERTIARY BUTYL ETHE	8.42	73	332660	9.01	PPBV	99
35) TETRAHYDROFURAN	9.76	72	57783	9.36	PPBV	99
36) HEXANE	9.26	57	214804	9.38	PPBV	98
37) VINYL ACETATE	8.47	86	32876	9.64	PPBV #	92
38) 1,1-DICHLOROETHANE	8.38	63	226040	9.39	PPBV	100
39) METHYL ETHYL KETONE	8.72	72	57487	9.28	PPBV	93
40) cis-1,2-DICHLOROETHYLENE	9.11	96	134741	8.88	PPBV	98
41) DI-ISOPROPYL ETHER	9.24	87	102475	8.99	PPBV	98
42) ETHYL ACETATE	9.27	61	40450	9.73	PPBV	97
43) METHYL ACRYLATE	9.27	55	225778	9.47	PPBV	99
44) CHLOROFORM	9.36	83	250632	9.68	PPBV	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52875.D Vial: 3
Acq On : 10 Dec 2015 8:11 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 08:59:06 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
45) 2,4-DIMETHYLPENTANE	10.05	57	243399	9.34	PPBV	99
46) 1,1,1-TRICHLOROETHANE	10.27	97	253510	9.70	PPBV	99
47) CARBON TETRACHLORIDE	10.83	117	263116	9.56	PPBV	99
48) 1,2-DICHLOROETHANE	10.03	62	152434	10.33	PPBV	99
50) BENZENE	10.69	78	403300	9.09	PPBV	99
51) CYCLOHEXANE	10.94	84	181400	8.62	PPBV	98
52) 2,3-DIMETHYLPENTANE	11.13	71	93278	9.26	PPBV	99
53) TRICHLOROETHYLENE	11.66	95	168038	8.97	PPBV	98
54) DIBROMOMETHANE	11.43	174	153095	9.03	PPBV	95
55) 1,2-DICHLOROPROPANE	11.45	63	144935	9.38	PPBV	97
56) ETHYL ACRYLATE	11.39	55	248084	9.14	PPBV	99
57) BROMODICHLOROMETHANE	11.63	83	275608	9.57	PPBV	100
58) 2,2,4-TRIMETHYLPENTANE	11.67	57	650004	8.94	PPBV	100
59) 1,4-DIOXANE	11.69	88	71526	8.74	PPBV	91
60) METHYL METHACRYLATE	11.81	69	135757	9.31	PPBV	99
61) HEPTANE	11.89	43	239712	9.11	PPBV	99
62) METHYL ISOBUTYL KETONE	12.50	43	229843	9.12	PPBV	99
63) cis-1,3-DICHLOROPROPENE	12.47	75	226061	9.21	PPBV	96
64) TOLUENE	13.44	92	286893	9.62	PPBV	99
65) trans-1,3-DICHLOROPROPENE	12.98	75	188672	9.96	PPBV	97
66) 1,1,2-TRICHLOROETHANE	13.17	83	129604	9.65	PPBV	99
68) ETHYL METHACRYLATE	13.66	69	208116	8.92	PPBV	99
69) 2-HEXANONE	13.68	58	130383	9.14	PPBV	96
70) TETRACHLOROETHYLENE	14.59	164	183905	8.35	PPBV	98
71) DIBROMOCHLOROMETHANE	13.88	129	277776	9.41	PPBV	100
72) 1,2-DIBROMOETHANE	14.14	107	224749	9.51	PPBV	100
73) OCTANE	14.38	43	326055	9.15	PPBV	98
74) 1,1,1,2-TETRACHLOROETHANE	15.27	131	195721	9.32	PPBV	91
75) CHLOROBENZENE	15.30	112	358556	8.92	PPBV	98
76) ETHYLBENZENE	15.67	91	566674	9.06	PPBV	99
77) m,p-XYLENE	15.86	106	471931	18.64	PPBV	98
78) o-XYLENE	16.37	106	222202	9.58	PPBV	99
79) STYRENE	16.26	104	358661	9.71	PPBV	99
80) 1,2,3-TRICHLOROPROPANE	16.51	75	230568	9.23	PPBV	99
81) NONANE	16.55	43	331541	10.26	PPBV	98
82) BROMOFORM	15.98	173	259000	9.50	PPBV	100
84) 1,1,2,2-TETRACHLOROETHANE	16.37	83	316016	9.73	PPBV	100
85) ISOPROPYLBENZENE	16.99	105	648884	9.23	PPBV	99
86) BROMOBENZENE	17.12	156	193353	9.37	PPBV	97
87) 2-CHLOROTOLUENE	17.52	126	152627	9.39	PPBV	97
88) n-PROPYLBENZENE	17.54	120	169622	9.37	PPBV	93
89) 4-ETHYLTOLUENE	17.70	105	553027	9.71	PPBV	99
90) 1,3,5-TRIMETHYLBENZENE	17.78	105	518562	9.65	PPBV	99
91) ALPHA-METHYLSTYRENE	17.95	118	241393	9.64	PPBV	99
92) TERT-BUTYLBENZENE	18.22	134	120431	9.13	PPBV	93
93) 1,2,4-TRIMETHYLBENZENE	18.23	105	481106	9.94	PPBV	98
94) m-DICHLOROBENZENE	18.42	146	287501	9.65	PPBV	97
95) BENZYL CHLORIDE	18.40	91	343729	9.76	PPBV	99
96) p-DICHLOROBENZENE	18.49	146	282884	9.05	PPBV	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52875.D Vial: 3
Acq On : 10 Dec 2015 8:11 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 08:59:06 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

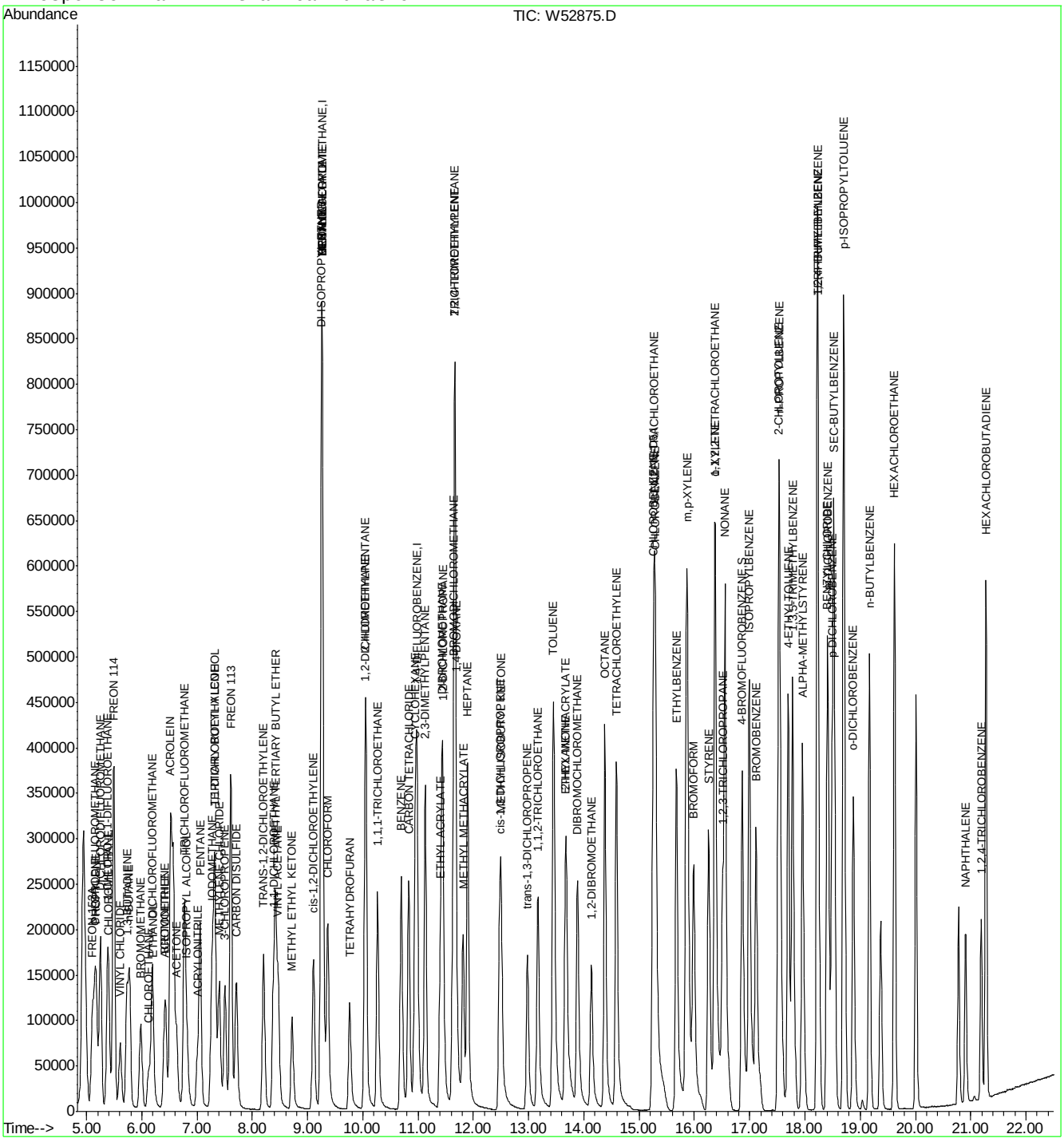
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
97)	SEC-BUTYLBENZENE	18.53	134	142019	9.33	PPBV	95
98)	p-ISOPROPYLTOLUENE	18.70	134	146741	9.56	PPBV	96
99)	o-DICHLOROBENZENE	18.87	146	263213	9.48	PPBV	99
100)	n-BUTYLBENZENE	19.17	134	123049	9.32	PPBV	93
101)	HEXACHLOROETHANE	19.62	201	184401	9.44	PPBV	96
102)	HEXACHLOROBUTADIENE	21.28	225	165953	8.63	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.19	180	99936	7.47	PPBV	99
104)	NAPHTHALENE	20.91	128	229454	8.19	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52875.D Vial: 3
Acq On : 10 Dec 2015 8:11 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 10:27 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52876.D Vial: 3
Acq On : 10 Dec 2015 8:52 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 09:20:49 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.26	128	92466	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	449037	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	215814	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	251723	10.47	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 104.70%

Target Compounds						Qvalue
3) FREON 152A	5.10	65	86431	10.30	PPBV	100
4) CHLORODIFLUOROMETHANE	5.14	67	30929	10.71	PPBV	99
5) DICHLORODIFLUOROMETHANE	5.25	85	334762	10.22	PPBV	100
6) PROPYLENE	5.18	41	116513	10.05	PPBV	98
7) FREON 114	5.49	85	352780	10.10	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.38	65	245891	11.21	PPBV	100
9) CHLOROMETHANE	5.40	52	41281	10.84	PPBV	94
10) VINYL CHLORIDE	5.61	62	145369	10.75	PPBV	100
11) 1,3-BUTADIENE	5.73	54	107477	10.21	PPBV	96
12) n-BUTANE	5.77	58	31837	10.58	PPBV	96
13) BROMOMETHANE	5.97	94	120823	10.52	PPBV	100
14) CHLOROETHANE	6.12	64	70649	10.38	PPBV	99
15) DICHLOROFLUOROMETHANE	6.18	67	262168	10.09	PPBV	99
16) ACROLEIN	6.51	56	46573	9.39	PPBV	97
17) TRICHLOROFLUOROMETHANE	6.77	101	293944	10.23	PPBV	99
18) ISOPROPYL ALCOHOL	6.80	43	33105	10.23	PPBV #	80
19) ACETONE	6.62	58	53313	9.70	PPBV #	81
21) ACRYLONITRILE	7.00	53	85647	10.62	PPBV	98
22) PENTANE	7.05	57	33865	9.43	PPBV	97
23) IODOMETHANE	7.27	142	299684	9.14	PPBV	96
24) 1,1-DICHLOROETHYLENE	7.31	96	119573	8.82	PPBV	93
25) CARBON DISULFIDE	7.71	76	360833	9.43	PPBV	99
26) ETHANOL	6.21	45	47782	9.80	PPBV	98
27) ACETONITRILE	6.40	41	85001	10.01	PPBV	99
28) BROMOETHENE	6.43	106	118267	10.08	PPBV #	99
29) METHYLENE CHLORIDE	7.40	84	111438	9.14	PPBV	96
30) 3-CHLOROPROPENE	7.50	76	59414	9.74	PPBV	95
31) FREON 113	7.61	151	200655	9.30	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.20	96	122649	9.00	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.32	59	225587	9.79	PPBV	99
34) METHYL TERTIARY BUTYL ETHE	8.42	73	325087	9.45	PPBV	99
35) TETRAHYDROFURAN	9.75	72	56905	9.90	PPBV	99
36) HEXANE	9.26	57	209546	9.83	PPBV	98
37) VINYL ACETATE	8.46	86	32186	10.13	PPBV #	92
38) 1,1-DICHLOROETHANE	8.38	63	218761	9.76	PPBV	100
39) METHYL ETHYL KETONE	8.72	72	55579	9.63	PPBV	95
40) cis-1,2-DICHLOROETHYLENE	9.10	96	130419	9.24	PPBV	98
41) DI-ISOPROPYL ETHER	9.24	87	101055	9.52	PPBV	100
42) ETHYL ACETATE	9.27	61	39205	10.13	PPBV #	93
43) METHYL ACRYLATE	9.27	55	221921	10.00	PPBV	99
44) CHLOROFORM	9.36	83	244040	10.12	PPBV	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52876.D Vial: 3
Acq On : 10 Dec 2015 8:52 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 09:20:49 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2,4-DIMETHYLPENTANE	10.05	57	236765	9.76	PPBV		100
46)	1,1,1-TRICHLOROETHANE	10.27	97	248403	10.20	PPBV		99
47)	CARBON TETRACHLORIDE	10.83	117	256490	10.01	PPBV		100
48)	1,2-DICHLOROETHANE	10.03	62	148490	10.81	PPBV		99
50)	BENZENE	10.69	78	392623	9.27	PPBV		99
51)	CYCLOHEXANE	10.94	84	176143	8.76	PPBV		98
52)	2,3-DIMETHYLPENTANE	11.13	71	90532	9.41	PPBV		99
53)	TRICHLOROETHYLENE	11.66	95	163345	9.12	PPBV		99
54)	DIBROMOMETHANE	11.43	174	150212	9.28	PPBV		96
55)	1,2-DICHLOROPROPANE	11.44	63	142888	9.68	PPBV		98
56)	ETHYL ACRYLATE	11.39	55	241444	9.32	PPBV		100
57)	BROMODICHLOROMETHANE	11.63	83	268151	9.75	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	628873	9.06	PPBV		99
59)	1,4-DIOXANE	11.69	88	70356	9.00	PPBV		95
60)	METHYL METHACRYLATE	11.81	69	131144	9.42	PPBV		99
61)	HEPTANE	11.89	43	229388	9.12	PPBV		100
62)	METHYL ISOBUTYL KETONE	12.50	43	219609	9.12	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.47	75	223204	9.52	PPBV		96
64)	TOLUENE	13.44	92	282097	9.91	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	12.97	75	187067	10.34	PPBV		97
66)	1,1,2-TRICHLOROETHANE	13.16	83	126214	9.83	PPBV		99
68)	ETHYL METHACRYLATE	13.66	69	202379	9.08	PPBV		99
69)	2-HEXANONE	13.67	58	125051	9.19	PPBV		95
70)	TETRACHLOROETHYLENE	14.59	164	179645	8.54	PPBV		98
71)	DIBROMOCHLOROMETHANE	13.88	129	272377	9.67	PPBV		100
72)	1,2-DIBROMOETHANE	14.13	107	221806	9.83	PPBV		99
73)	OCTANE	14.38	43	315922	9.28	PPBV		98
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	193240	9.64	PPBV		96
75)	CHLOROBENZENE	15.30	112	354112	9.22	PPBV		98
76)	ETHYLBENZENE	15.67	91	557025	9.33	PPBV		99
77)	m,p-XYLENE	15.86	106	461663	19.10	PPBV		97
78)	o-XYLENE	16.37	106	217941	9.84	PPBV		98
79)	STYRENE	16.25	104	350025	9.93	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.51	75	225837	9.47	PPBV		99
81)	NONANE	16.55	43	323690	10.49	PPBV		99
82)	BROMOFORM	15.98	173	254700	9.78	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	308580	9.95	PPBV		100
85)	ISOPROPYLBENZENE	16.99	105	635253	9.46	PPBV		99
86)	BROMOBENZENE	17.11	156	189767	9.63	PPBV		96
87)	2-CHLOROTOLUENE	17.52	126	149987	9.67	PPBV	#	77
88)	n-PROPYLBENZENE	17.54	120	166108	9.61	PPBV		93
89)	4-ETHYLTOLUENE	17.70	105	546935	10.06	PPBV		99
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	505766	9.85	PPBV		99
91)	ALPHA-METHYLSTYRENE	17.95	118	236443	9.89	PPBV		99
92)	TERT-BUTYLBENZENE	18.22	134	118989	9.44	PPBV		94
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	471949	10.21	PPBV		99
94)	m-DICHLOROBENZENE	18.42	146	271736	9.56	PPBV		97
95)	BENZYL CHLORIDE	18.39	91	336483	10.01	PPBV		99
96)	p-DICHLOROBENZENE	18.49	146	285214	9.56	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52876.D Vial: 3
Acq On : 10 Dec 2015 8:52 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 09:20:49 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
97)	SEC-BUTYLBENZENE	18.52	134	137808	9.48	PPBV	94
98)	p-ISOPROPYLTOLUENE	18.70	134	143464	9.79	PPBV	96
99)	o-DICHLOROBENZENE	18.87	146	256601	9.68	PPBV	100
100)	n-BUTYLBENZENE	19.17	134	121006	9.60	PPBV	94
101)	HEXACHLOROETHANE	19.62	201	182174	9.77	PPBV	96
102)	HEXACHLOROBUTADIENE	21.28	225	165394	9.01	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.19	180	100859	7.90	PPBV	99
104)	NAPHTHALENE	20.91	128	230662	8.62	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

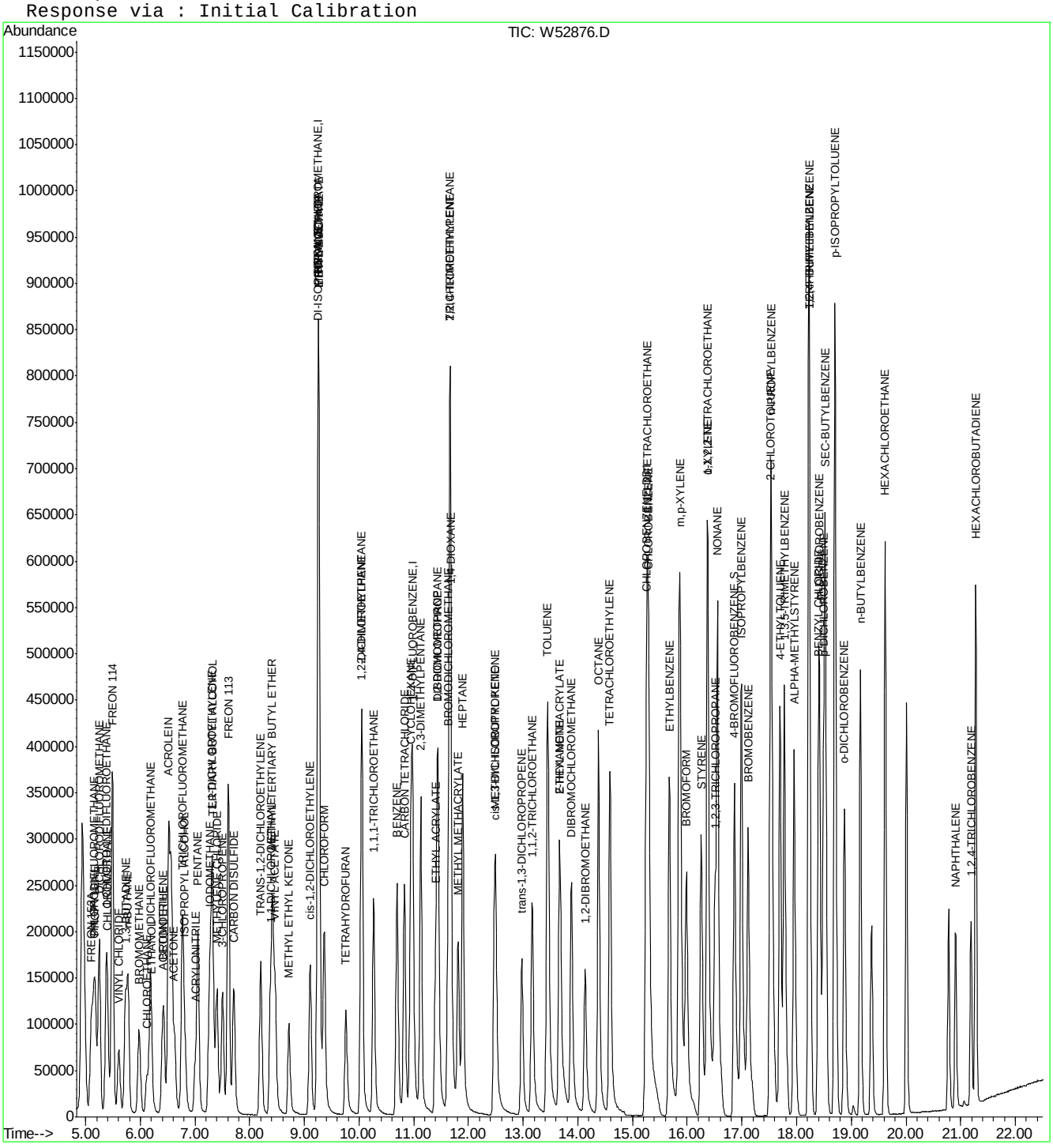
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52876.D
Acq On : 10 Dec 2015 8:52 am
Sample : BSD
Misc : MS95273,VW2114,,,,,1
MS Integration Params: rteint.p
Quant Time: Dec 11 10:27 2015

Vial: 3
Operator: YOUMINH
Inst : MSW
Multiplr: 1.00

Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15025.D
Acq On : 10 Dec 2015 11:29 am
Operator : THOMASH
Sample : bs
Misc : MS95274,v5w602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 11:08:57 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.365	130	91564	10.00	ppb(v	0.08
53) 1,4-Difluorobenzene	10.543	114	334157	10.00	ppb(v	0.03
75) Chlorobenzene-d5	16.079	82	187871	10.00	ppb(v	-0.03
106) Bromochloromethane (A)	8.365	130	91564	10.00	ppb(v	0.08
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.318	95	247060	10.62	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.20%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.978	67	23415	10.96	ppb(v	99
5) Propene	4.003	41	66454	10.74	ppb(v	99
6) Dichlorodifluoromethane	4.058	85	256498	11.03	ppb(v	100
8) Chloromethane	4.199	50	84869	11.07	ppb(v	100
9) Dichlorotetrafluoroethane	4.278	85	281044	11.52	ppb(v	99
10) Vinyl Chloride	4.382	62	103323	11.47	ppb(v	100
11) 1,3-Butadiene	4.492	54	71972	10.79	ppb(v	97
12) n-Butane	4.529	58	15923	11.59	ppb(v	98
13) Bromomethane	4.719	94	107662	11.48	ppb(v	100
14) Chloroethane	4.859	64	49430	11.73	ppb(v	99
15) Dichlorofluoromethane	4.939	67	226761	11.06	ppb(v	99
16) Acetonitrile	5.159	41	72717	9.68	ppb(v	97
17) Freon 123	5.282	83	259252	11.61	ppb(v	99
18) Freon 123A	5.330	117	146442	12.72	ppb(v	96
19) Bromoethene	5.159	106	105519	12.01	ppb(v	100
20) Trichlorofluoromethane	5.520	101	241766	11.35	ppb(v	100
21) Acetone	5.373	58	44678	9.96	ppb(v	93
22) Pentane	5.826	57	25429	9.86	ppb(v	97
24) Iodomethane	6.028	142	284689	11.00	ppb(v	99
25) Isopropyl Alcohol	5.593	45	166401	9.72	ppb(v	100
26) 1,1-Dichloroethene	6.095	61	165344	11.19	ppb(v	99
27) Freon 113	6.450	101	226150	11.46	ppb(v	99
28) Methylene Chloride	6.211	84	99212	10.53	ppb(v	98
29) Carbon Disulfide	6.493	76	318674	11.53	ppb(v	100
30) Ethanol	4.970	45	40100	10.85	ppb(v	99
31) Acrylonitrile	5.789	53	77888	10.70	ppb(v	98
32) 3-Chloropropene	6.315	76	47618	11.54	ppb(v	97
33) trans-1,2-Dichloroethene	7.105	61	149066	11.14	ppb(v	99
34) tert-Butyl Alcohol	6.132	59	222916	10.62	ppb(v	99
35) Methyl tert-Butyl Ether	7.362	73	267490	10.00	ppb(v	98
36) Vinyl Acetate	7.466	43	259315	11.21	ppb(v	99
37) 1,1-Dichloroethane	7.313	63	192300	11.27	ppb(v	100
38) 2-Butanone	7.722	72	50908	11.58	ppb(v	95
39) Hexane	8.383	57	156691	9.92	ppb(v	98
40) cis-1,2-Dichloroethene	8.187	61	142034	11.03	ppb(v	97
41) Di-isopropyl Ether	8.383	87	82919	11.51	ppb(v	91
42) Ethyl Acetate	8.426	61	35058	11.69	ppb(v	97
43) Methyl Acrylate	8.420	55	196867	11.16	ppb(v	99
44) Chloroform	8.506	83	227824	11.28	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15025.D
Acq On : 10 Dec 2015 11:29 am
Operator : THOMASH
Sample : bs
Misc : MS95274,v5w602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 11:08:57 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45)	2,4-Dimethylpentane	9.356	57	185185	9.69	ppb(v	100
46)	Tetrahydrofuran	8.940	72	49473	11.28	ppb(v	98
47)	1,1,1-Trichloroethane	9.588	97	216010	10.80	ppb(v	99
48)	1,2-Dichloroethane	9.313	62	131380	10.96	ppb(v	99
49)	Benzene	10.121	78	316263	10.57	ppb(v	100
50)	Carbon Tetrachloride	10.292	117	220421	10.79	ppb(v	100
51)	Cyclohexane	10.420	56	154934	10.84	ppb(v	98
52)	2,3-Dimethylpentane	10.708	71	68247	11.02	ppb(v	99
54)	2,2,4-Trimethylpentane	11.393	57	533788	10.90	ppb(v	99
55)	Heptane	11.730	71	104892	11.03	ppb(v	99
56)	Trichloroethene	11.369	95	150776	10.90	ppb(v	99
57)	1,2-Dichloropropane	11.081	63	127406	11.54	ppb(v	99
58)	Dibromomethane	11.057	174	135114	10.55	ppb(v	95
59)	Ethyl Acrylate	11.106	55	239359	10.35	ppb(v	99
60)	Methyl Methacrylate	11.638	69	112894	10.30	ppb(v	98
61)	1,4-Dioxane	11.387	88	76899	10.91	ppb(v	98
62)	Bromodichloromethane	11.326	83	252248	11.20	ppb(v	99
63)	cis-1,3-Dichloropropene	12.445	75	187725	10.41	ppb(v	99
64)	4-Methyl-2-pentanone	12.488	58	99568	11.52	ppb(v	98
65)	trans-1,3-Dichloropropene	13.118	75	166154	11.24	ppb(v	99
66)	Toluene	13.687	91	378428	10.68	ppb(v	99
67)	1,1,2-Trichloroethane	13.332	97	139923	10.96	ppb(v	98
68)	2-Hexanone	14.048	58	139751	11.34	ppb(v	97
69)	Ethyl Methacrylate	14.085	69	198634	10.67	ppb(v	99
70)	Dibromochloromethane	14.244	129	254288	10.85	ppb(v	98
71)	Tetrachloroethene	15.198	166	189286	10.77	ppb(v	99
72)	1,2-Dibromoethane	14.556	107	220236	11.09	ppb(v	100
73)	Octane	15.027	43	234904	9.83	ppb(v	100
74)	1,1,1,2-Tetrachloroethane	16.116	131	169762	10.98	ppb(v	99
76)	Chlorobenzene	16.140	112	294362	9.74	ppb(v	100
77)	Ethylbenzene	16.679	91	479039	9.77	ppb(v	100
78)	m,p-Xylene	16.936	91	729847	19.52	ppb(v	99
79)	Styrene	17.474	104	271783	10.13	ppb(v	99
80)	Nonane	18.000	43	232840	8.86	ppb(v	100
81)	o-Xylene	17.627	91	373660	9.90	ppb(v	99
82)	Bromoform	17.034	173	251452	10.11	ppb(v	99
83)	1,1,2,2-Tetrachloroethane	17.627	83	319547	10.61	ppb(v	100
84)	1,2,3-Trichloropropane	17.817	75	224446	10.26	ppb(v	99
85)	Isopropylbenzene	18.532	105	520399	9.84	ppb(v	99
86)	Bromobenzene	18.649	156	173604	9.88	ppb(v	98
87)	2-Chlorotoluene	19.248	126	127895	9.55	ppb(v	97
88)	n-Propylbenzene	19.316	120	136202	10.18	ppb(v	97
90)	4-Ethyltoluene	19.536	105	484600	9.95	ppb(v	100
91)	1,3,5-Trimethylbenzene	19.658	105	411737	9.82	ppb(v	99
92)	alpha-Methylstyrene	19.884	118	209270	10.17	ppb(v	100
93)	tert-Butylbenzene	20.221	134	89269	10.54	ppb(v	98
94)	1,2,4-Trimethylbenzene	20.233	105	422285	10.04	ppb(v	97
95)	1,3-Dichlorobenzene	20.423	146	278381	9.80	ppb(v	100
96)	Benzyl Chloride	20.411	91	376631	10.03	ppb(v	100
97)	1,4-Dichlorobenzene	20.521	146	271165	9.26	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15025.D
Acq On : 10 Dec 2015 11:29 am
Operator : THOMASH
Sample : bs
Misc : MS95274,v5w602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 11:08:57 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

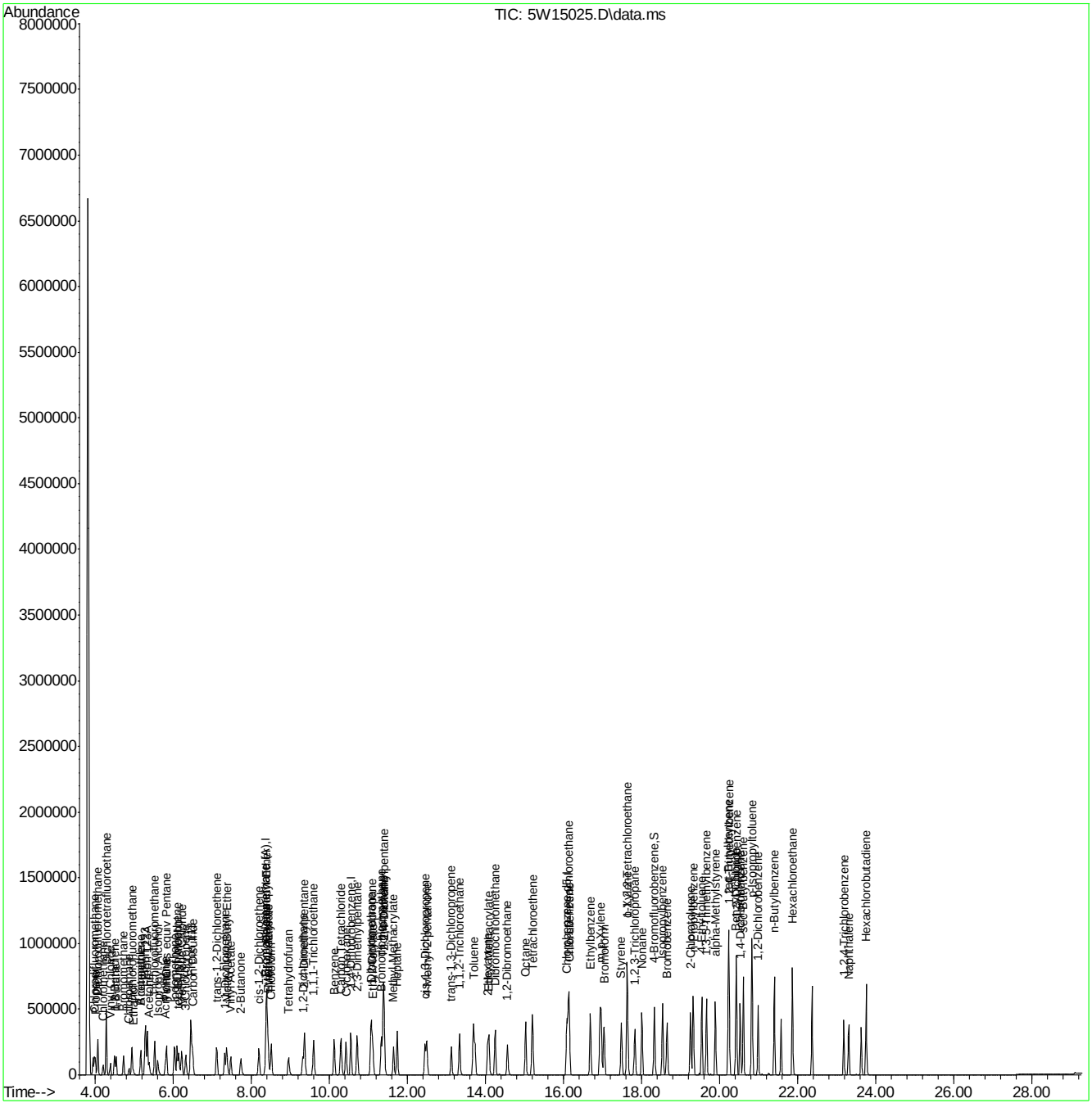
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.600	134	109471	10.23	ppb(v	97
99)	p-Isopropyltoluene	20.827	134	124295	10.24	ppb(v	97
100)	1,2-Dichlorobenzene	20.980	146	258020	9.73	ppb(v	100
101)	n-Butylbenzene	21.396	134	111155	10.13	ppb(v	97
102)	Hexachloroethane	21.860	201	161029	9.99	ppb(v	96
103)	1,2,4-Trichlorobenzene	23.176	180	139493	9.01	ppb(v	99
104)	Naphthalene	23.298	128	309941	8.95	ppb(v	100
105)	Hexachlorobutadiene	23.751	225	144340	8.83	ppb(v	98
107)	TVHC as equiv Pentane	5.820	TIC	611649	11.28	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15025.D
Acq On : 10 Dec 2015 11:29 am
Operator : THOMASH
Sample : bs
Misc : MS95274,v5w602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 11:08:57 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15026.D
Acq On : 10 Dec 2015 12:14 pm
Operator : THOMASH
Sample : bsd
Misc : MS95274,v5w602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 11:09:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.359	130	99496	10.00	ppb(v	0.07
53) 1,4-Difluorobenzene	10.543	114	361657	10.00	ppb(v	0.03
75) Chlorobenzene-d5	16.079	82	206418	10.00	ppb(v	-0.03
106) Bromochloromethane (A)	8.359	130	99496	10.00	ppb(v	0.07
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.318	95	270505	10.58	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.80%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.978	67	23540	10.14	ppb(v	99
5) Propene	4.003	41	67582	10.05	ppb(v	99
6) Dichlorodifluoromethane	4.058	85	260043	10.29	ppb(v	100
8) Chloromethane	4.199	50	84299	10.12	ppb(v	100
9) Dichlorotetrafluoroethane	4.278	85	279182	10.53	ppb(v	99
10) Vinyl Chloride	4.376	62	101472	10.36	ppb(v	98
11) 1,3-Butadiene	4.486	54	70576	9.73	ppb(v	98
12) n-Butane	4.529	58	15225	10.20	ppb(v	96
13) Bromomethane	4.719	94	105979	10.40	ppb(v	98
14) Chloroethane	4.859	64	48339	10.56	ppb(v	99
15) Dichlorofluoromethane	4.933	67	223734	10.04	ppb(v	99
16) Acetonitrile	5.153	41	71776	8.79	ppb(v	97
17) Freon 123	5.281	83	255524	10.53	ppb(v	99
18) Freon 123A	5.330	117	144897	11.58	ppb(v	98
19) Bromoethene	5.159	106	105319	11.03	ppb(v	99
20) Trichlorofluoromethane	5.514	101	241414	10.43	ppb(v	100
21) Acetone	5.373	58	44653	9.16	ppb(v	93
22) Pentane	5.820	57	25369	9.05	ppb(v	97
24) Iodomethane	6.022	142	283050	10.06	ppb(v	99
25) Isopropyl Alcohol	5.587	45	164948	8.87	ppb(v	99
26) 1,1-Dichloroethene	6.089	61	165953	10.34	ppb(v	99
27) Freon 113	6.444	101	224348	10.46	ppb(v	99
28) Methylene Chloride	6.205	84	98732	9.64	ppb(v	97
29) Carbon Disulfide	6.487	76	316130	10.53	ppb(v	100
30) Ethanol	4.963	45	40221	10.02	ppb(v	99
31) Acrylonitrile	5.789	53	78641	9.95	ppb(v	98
32) 3-Chloropropene	6.315	76	47952	10.70	ppb(v	97
33) trans-1,2-Dichloroethene	7.104	61	148954	10.25	ppb(v	99
34) tert-Butyl Alcohol	6.126	59	229631	10.06	ppb(v	100
35) Methyl tert-Butyl Ether	7.361	73	267981	9.22	ppb(v	100
36) Vinyl Acetate	7.465	43	261705	10.41	ppb(v	100
37) 1,1-Dichloroethane	7.313	63	191598	10.34	ppb(v	99
38) 2-Butanone	7.716	72	49912	10.45	ppb(v	93
39) Hexane	8.383	57	159969	9.32	ppb(v	97
40) cis-1,2-Dichloroethene	8.187	61	143021	10.23	ppb(v	98
41) Di-isopropyl Ether	8.383	87	84540	10.80	ppb(v	94
42) Ethyl Acetate	8.426	61	35693	10.95	ppb(v	96
43) Methyl Acrylate	8.414	55	199299	10.39	ppb(v	99
44) Chloroform	8.499	83	229843	10.48	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15026.D
Acq On : 10 Dec 2015 12:14 pm
Operator : THOMASH
Sample : bsd
Misc : MS95274,v5w602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 11:09:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.356	57	184157	8.87	ppb(v	98
46) Tetrahydrofuran	8.940	72	50381	10.58	ppb(v	97
47) 1,1,1-Trichloroethane	9.588	97	215033	9.89	ppb(v	100
48) 1,2-Dichloroethane	9.307	62	131458	10.09	ppb(v	99
49) Benzene	10.114	78	318695	9.80	ppb(v	99
50) Carbon Tetrachloride	10.286	117	223075	10.05	ppb(v	99
51) Cyclohexane	10.420	56	158081	10.18	ppb(v	98
52) 2,3-Dimethylpentane	10.702	71	69453	10.32	ppb(v	99
54) 2,2,4-Trimethylpentane	11.387	57	532832	10.05	ppb(v	99
55) Heptane	11.729	71	103488	10.06	ppb(v	97
56) Trichloroethene	11.369	95	149565	9.99	ppb(v	99
57) 1,2-Dichloropropane	11.075	63	128780	10.78	ppb(v	99
58) Dibromomethane	11.057	174	136122	9.82	ppb(v	99
59) Ethyl Acrylate	11.105	55	241967	9.66	ppb(v	99
60) Methyl Methacrylate	11.638	69	112347	9.47	ppb(v	98
61) 1,4-Dioxane	11.381	88	77373	10.14	ppb(v	96
62) Bromodichloromethane	11.320	83	252677	10.37	ppb(v	100
63) cis-1,3-Dichloropropene	12.445	75	188572	9.66	ppb(v	99
64) 4-Methyl-2-pentanone	12.482	58	101254	10.82	ppb(v	98
65) trans-1,3-Dichloropropene	13.118	75	168681	10.55	ppb(v	98
66) Toluene	13.687	91	384978	10.04	ppb(v	100
67) 1,1,2-Trichloroethane	13.332	97	140368	10.16	ppb(v	98
68) 2-Hexanone	14.048	58	141690	10.62	ppb(v	97
69) Ethyl Methacrylate	14.085	69	201705	10.02	ppb(v	99
70) Dibromochloromethane	14.244	129	261460	10.31	ppb(v	98
71) Tetrachloroethene	15.198	166	191648	10.08	ppb(v	99
72) 1,2-Dibromoethane	14.556	107	220104	10.24	ppb(v	100
73) Octane	15.021	43	239004	9.24	ppb(v	98
74) 1,1,1,2-Tetrachloroethane	16.116	131	169885	10.15	ppb(v	99
76) Chlorobenzene	16.140	112	299300	9.01	ppb(v	99
77) Ethylbenzene	16.679	91	484579	9.00	ppb(v	99
78) m,p-Xylene	16.930	91	732021	17.82	ppb(v	99
79) Styrene	17.474	104	272580	9.25	ppb(v	99
80) Nonane	18.000	43	235831	8.17	ppb(v	99
81) o-Xylene	17.627	91	377714	9.10	ppb(v	99
82) Bromoform	17.034	173	249900	9.15	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.627	83	320184	9.67	ppb(v	99
84) 1,2,3-Trichloropropane	17.817	75	222943	9.27	ppb(v	99
85) Isopropylbenzene	18.532	105	516838	8.89	ppb(v	100
86) Bromobenzene	18.649	156	173097	8.97	ppb(v	99
87) 2-Chlorotoluene	19.248	126	129120	8.77	ppb(v	97
88) n-Propylbenzene	19.315	120	137237	9.34	ppb(v	99
90) 4-Ethyltoluene	19.536	105	481716	9.00	ppb(v	100
91) 1,3,5-Trimethylbenzene	19.652	105	406874	8.83	ppb(v	100
92) alpha-Methylstyrene	19.884	118	207034	9.16	ppb(v	99
93) tert-Butylbenzene	20.221	134	87907	9.44	ppb(v	98
94) 1,2,4-Trimethylbenzene	20.233	105	417569	9.04	ppb(v	97
95) 1,3-Dichlorobenzene	20.423	146	274705	8.80	ppb(v	100
96) Benzyl Chloride	20.411	91	375185	9.09	ppb(v	100
97) 1,4-Dichlorobenzene	20.521	146	269541	8.37	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15026.D
Acq On : 10 Dec 2015 12:14 pm
Operator : THOMASH
Sample : bsd
Misc : MS95274,v5w602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 11:09:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.600	134	108849	9.25	ppb(v	95
99)	p-Isopropyltoluene	20.827	134	123533	9.26	ppb(v	99
100)	1,2-Dichlorobenzene	20.979	146	260232	8.93	ppb(v	100
101)	n-Butylbenzene	21.395	134	110066	9.13	ppb(v	97
102)	Hexachloroethane	21.860	201	158182	8.93	ppb(v	94
103)	1,2,4-Trichlorobenzene	23.176	180	139067	8.18	ppb(v	98
104)	Naphthalene	23.298	128	309467	8.14	ppb(v	100
105)	Hexachlorobutadiene	23.751	225	144705	8.05	ppb(v	99
107)	TVHC as equiv Pentane	5.820	TIC	612927	10.40	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

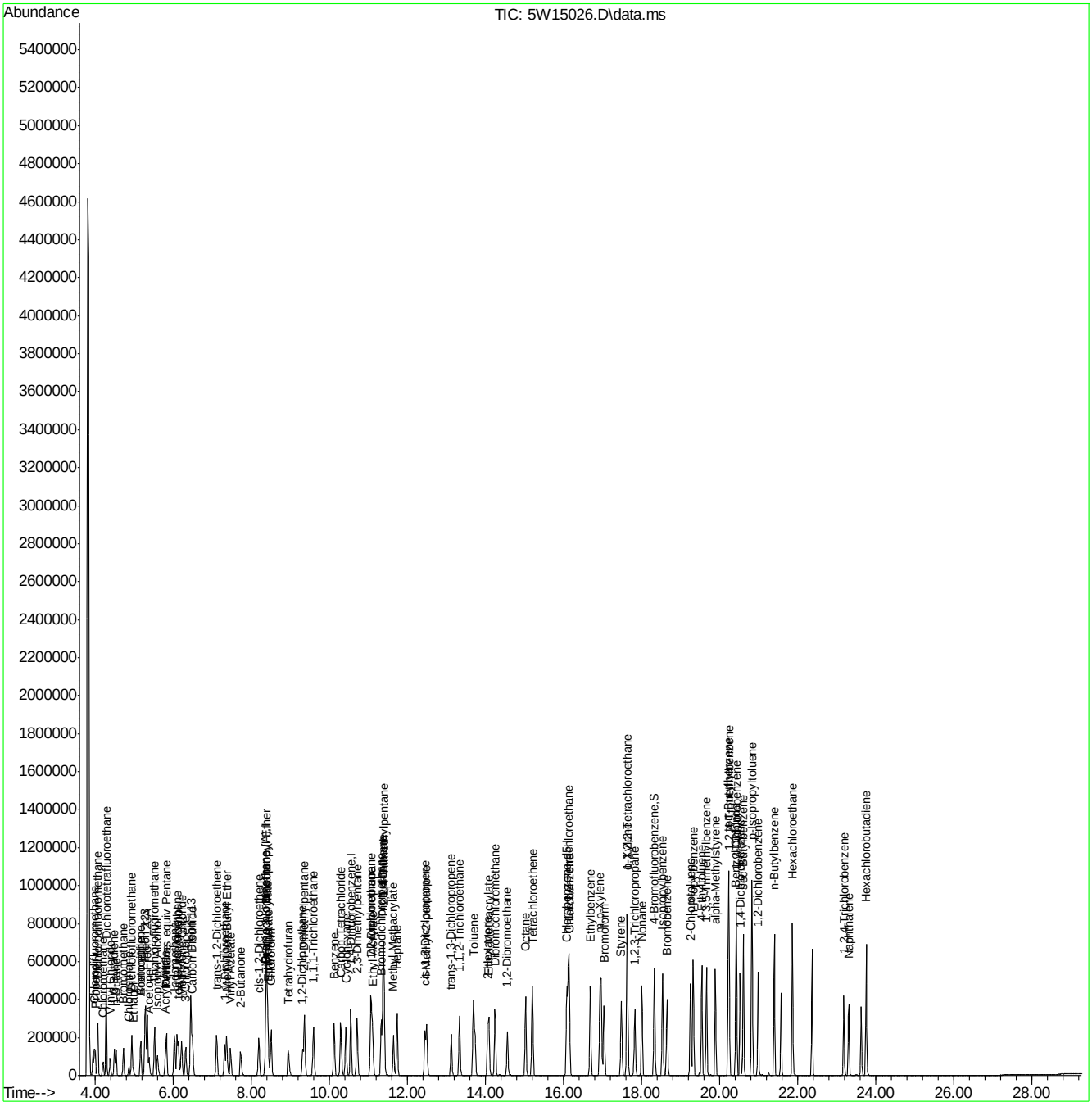
7.3.6

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15026.D
Acq On : 10 Dec 2015 12:14 pm
Operator : THOMASH
Sample : bsd
Misc : MS95274,v5w602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 11:09:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52935.D Vial: 3
Acq On : 15 Dec 2015 11:30 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:05 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	115184	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.97	114	552506	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	257535	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	298676	10.41	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 104.10%

Target Compounds						Qvalue
3) FREON 152A	5.10	65	92947	8.89	PPBV	97
4) CHLORODIFLUOROMETHANE	5.14	67	33806	9.40	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	354882	8.70	PPBV	99
6) PROPYLENE	5.17	41	120227	8.32	PPBV	99
7) FREON 114	5.48	85	395986	9.10	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.37	65	280973	10.28	PPBV	99
9) CHLOROMETHANE	5.40	52	43765	9.22	PPBV #	90
10) VINYL CHLORIDE	5.60	62	158610	9.42	PPBV	100
11) 1,3-BUTADIENE	5.72	54	121311	9.25	PPBV	95
12) n-BUTANE	5.77	58	34426	9.19	PPBV	99
13) BROMOMETHANE	5.97	94	137593	9.62	PPBV	99
14) CHLOROETHANE	6.11	64	82638	9.75	PPBV	98
15) DICHLOROFLUOROMETHANE	6.18	67	310931	9.60	PPBV	99
16) ACROLEIN	6.50	56	56782	9.19	PPBV	98
17) TRICHLOROFLUOROMETHANE	6.76	101	351399	9.81	PPBV	98
18) ISOPROPYL ALCOHOL	6.79	43	43843	10.88	PPBV #	91
19) ACETONE	6.61	58	68529	10.01	PPBV #	81
21) ACRYLONITRILE	6.99	53	109497	10.90	PPBV	98
22) PENTANE	7.05	57	40123	8.97	PPBV #	91
23) IODOMETHANE	7.26	142	356580	8.74	PPBV	96
24) 1,1-DICHLOROETHYLENE	7.30	96	137250	8.12	PPBV	90
25) CARBON DISULFIDE	7.70	76	407619	8.55	PPBV	97
26) ETHANOL	6.20	45	60458	9.96	PPBV	99
27) ACETONITRILE	6.39	41	108048	10.22	PPBV	95
28) BROMOETHENE	6.41	106	142568	9.76	PPBV #	99
29) METHYLENE CHLORIDE	7.40	84	131691	8.67	PPBV	94
30) 3-CHLOROPROPENE	7.49	76	68356	8.99	PPBV #	86
31) FREON 113	7.60	151	241006	8.97	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.19	96	142186	8.38	PPBV	98
33) TERTIARY BUTYL ALCOHOL	7.31	59	279888	9.75	PPBV	96
34) METHYL TERTIARY BUTYL ETHE	8.41	73	394217	9.20	PPBV	98
35) TETRAHYDROFURAN	9.75	72	69145	9.66	PPBV	93
36) HEXANE	9.25	57	241563	9.10	PPBV	93
37) VINYL ACETATE	8.46	86	39483	9.98	PPBV #	83
38) 1,1-DICHLOROETHANE	8.37	63	259755	9.31	PPBV	100
39) METHYL ETHYL KETONE	8.71	72	68070	9.47	PPBV #	85
40) cis-1,2-DICHLOROETHYLENE	9.10	96	151638	8.62	PPBV	97
41) DI-ISOPROPYL ETHER	9.24	87	120735	9.13	PPBV	98
42) ETHYL ACETATE	9.25	61	46193	9.58	PPBV #	92
43) METHYL ACRYLATE	9.26	55	268764	9.72	PPBV	99
44) CHLOROFORM	9.36	83	281291	9.36	PPBV	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52935.D Vial: 3
Acq On : 15 Dec 2015 11:30 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:05 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2,4-DIMETHYLPENTANE	10.04	57	274920	9.10	PPBV		99
46)	1,1,1-TRICHLOROETHANE	10.26	97	290917	9.59	PPBV		98
47)	CARBON TETRACHLORIDE	10.82	117	303684	9.52	PPBV		100
48)	1,2-DICHLOROETHANE	10.03	62	181163	10.58	PPBV		99
50)	BENZENE	10.69	78	454980	8.73	PPBV		99
51)	CYCLOHEXANE	10.94	84	203625	8.23	PPBV		97
52)	2,3-DIMETHYLPENTANE	11.12	71	106378	8.98	PPBV		99
53)	TRICHLOROETHYLENE	11.66	95	190648	8.66	PPBV		99
54)	DIBROMOMETHANE	11.42	174	181377	9.11	PPBV		99
55)	1,2-DICHLOROPROPANE	11.44	63	167724	9.24	PPBV		97
56)	ETHYL ACRYLATE	11.39	55	312390	9.80	PPBV		99
57)	BROMODICHLOROMETHANE	11.62	83	317001	9.36	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	744359	8.71	PPBV		99
59)	1,4-DIOXANE	11.67	88	86866	9.03	PPBV	#	43
60)	METHYL METHACRYLATE	11.80	69	162822	9.50	PPBV		92
61)	HEPTANE	11.89	43	281940	9.11	PPBV		95
62)	METHYL ISOBUTYL KETONE	12.49	43	295442	9.98	PPBV		96
63)	cis-1,3-DICHLOROPROPENE	12.47	75	262930	9.11	PPBV		91
64)	TOLUENE	13.44	92	332486	9.49	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	12.97	75	227137	10.20	PPBV		94
66)	1,1,2-TRICHLOROETHANE	13.16	83	150889	9.56	PPBV		100
68)	ETHYL METHACRYLATE	13.65	69	256099	9.63	PPBV		98
69)	2-HEXANONE	13.67	58	160338	9.87	PPBV		92
70)	TETRACHLOROETHYLENE	14.58	164	219378	8.74	PPBV		100
71)	DIBROMOCHLOROMETHANE	13.88	129	324145	9.64	PPBV		100
72)	1,2-DIBROMOETHANE	14.13	107	265924	9.87	PPBV		100
73)	OCTANE	14.37	43	383083	9.43	PPBV		96
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	231686	9.68	PPBV		95
75)	CHLOROBENZENE	15.29	112	420443	9.18	PPBV		98
76)	ETHYLBENZENE	15.67	91	668113	9.37	PPBV		99
77)	m,p-XYLENE	15.86	106	548559	19.01	PPBV		97
78)	o-XYLENE	16.37	106	262304	9.92	PPBV		98
79)	STYRENE	16.25	104	423703	10.07	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.50	75	274171	9.63	PPBV		99
81)	NONANE	16.55	43	395006	10.73	PPBV		97
82)	BROMOFORM	15.98	173	316486	10.19	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.36	83	368926	9.97	PPBV		99
85)	ISOPROPYLBENZENE	16.98	105	772608	9.65	PPBV		99
86)	BROMOBENZENE	17.11	156	236323	10.05	PPBV		99
87)	2-CHLOROTOLUENE	17.52	126	185095	10.00	PPBV	#	92
88)	n-PROPYLBENZENE	17.53	120	207870	10.08	PPBV		98
89)	4-ETHYLTOLUENE	17.69	105	656861	10.13	PPBV		99
90)	1,3,5-TRIMETHYLBENZENE	17.77	105	623789	10.18	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.95	118	291258	10.21	PPBV		99
92)	TERT-BUTYLBENZENE	18.22	134	147548	9.81	PPBV		96
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	576833	10.46	PPBV		99
94)	m-DICHLOROBENZENE	18.42	146	347352	10.24	PPBV		97
95)	BENZYL CHLORIDE	18.39	91	422410	10.53	PPBV		99
96)	p-DICHLOROBENZENE	18.48	146	353559	9.93	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52935.D Vial: 3
Acq On : 15 Dec 2015 11:30 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:05 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

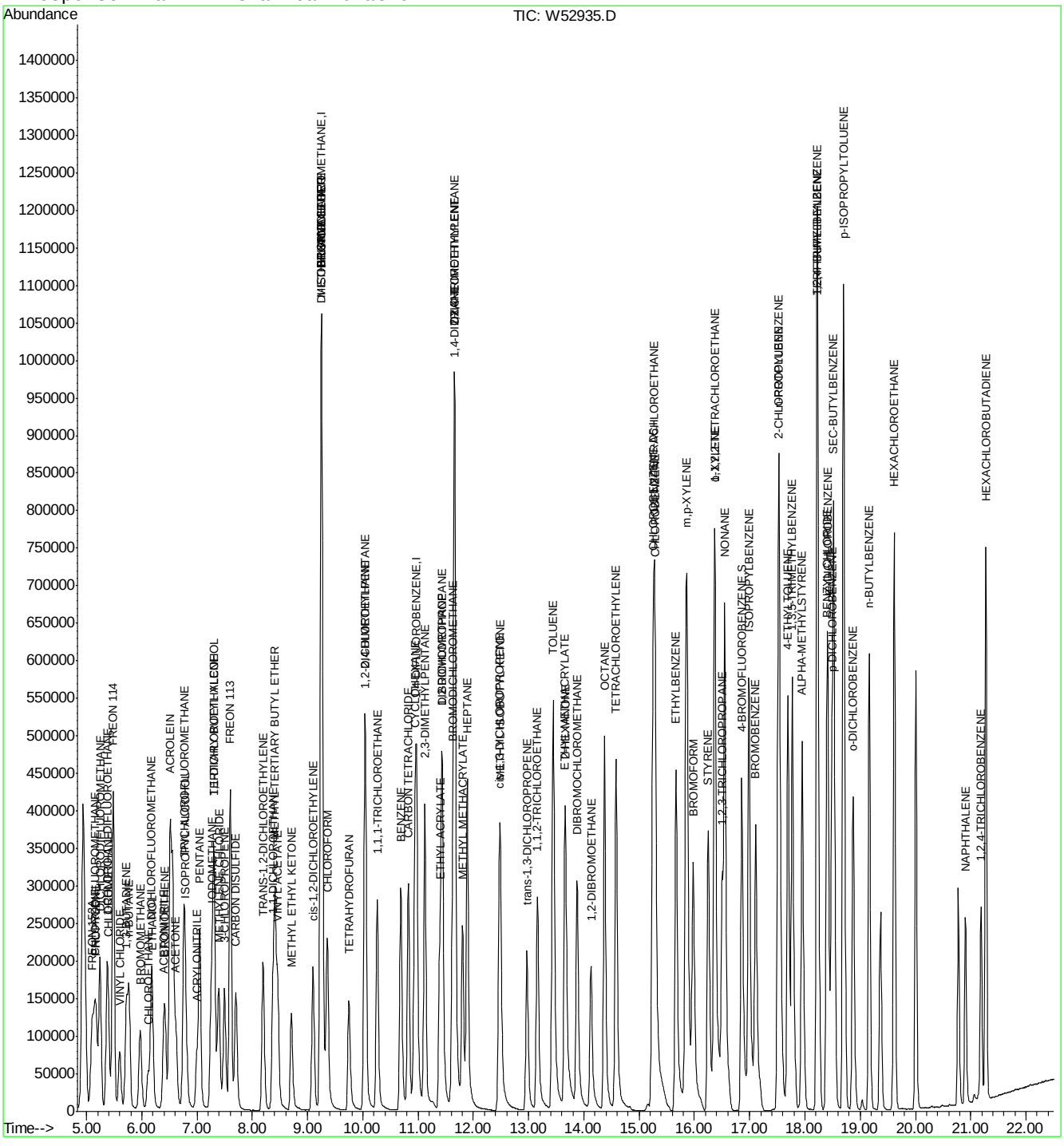
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
97)	SEC-BUTYLBENZENE	18.52	134	173097	9.98	PPBV	98
98)	p-ISOPROPYLTOLUENE	18.70	134	182032	10.40	PPBV	98
99)	o-DICHLOROBENZENE	18.87	146	325849	10.30	PPBV	99
100)	n-BUTYLBENZENE	19.17	134	155518	10.34	PPBV	99
101)	HEXACHLOROETHANE	19.62	201	237128	10.66	PPBV	98
102)	HEXACHLOROBUTADIENE	21.28	225	217493	9.93	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.19	180	128464	8.43	PPBV	98
104)	NAPHTHALENE	20.90	128	295053	9.24	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52935.D Vial: 3
Acq On : 15 Dec 2015 11:30 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:22 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52936.D Vial: 3
Acq On : 15 Dec 2015 12:20 pm Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:09 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	105012	10.00	PPBV	-0.01
49) 1,4-DIFLUOROBENZENE	10.97	114	552176	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.24	82	259838	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	298189	10.30	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 103.00%

Target Compounds						Qvalue
3) FREON 152A	5.09	65	91772	9.63	PPBV	95
4) CHLORODIFLUOROMETHANE	5.14	67	33710	10.28	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	361796	9.73	PPBV	99
6) PROPYLENE	5.17	41	120623	9.16	PPBV	99
7) FREON 114	5.47	85	391245	9.87	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.36	65	279545	11.22	PPBV	99
9) CHLOROMETHANE	5.40	52	44684	10.33	PPBV #	88
10) VINYL CHLORIDE	5.59	62	159273	10.37	PPBV	99
11) 1,3-BUTADIENE	5.71	54	119259	9.98	PPBV	94
12) n-BUTANE	5.76	58	34681	10.15	PPBV	97
13) BROMOMETHANE	5.96	94	135852	10.42	PPBV	100
14) CHLOROETHANE	6.11	64	79013	10.22	PPBV	97
15) DICHLOROFLUOROMETHANE	6.17	67	302887	10.26	PPBV	99
16) ACROLEIN	6.50	56	55641	9.88	PPBV	96
17) TRICHLOROFLUOROMETHANE	6.75	101	344806	10.56	PPBV	99
18) ISOPROPYL ALCOHOL	6.79	43	42510	11.57	PPBV #	89
19) ACETONE	6.61	58	67231	10.77	PPBV #	85
21) ACRYLONITRILE	6.99	53	106415	11.62	PPBV	99
22) PENTANE	7.04	57	39504	9.69	PPBV #	92
23) IODOMETHANE	7.25	142	353745	9.50	PPBV	97
24) 1,1-DICHLOROETHYLENE	7.30	96	137228	8.91	PPBV	93
25) CARBON DISULFIDE	7.70	76	401375	9.24	PPBV	98
26) ETHANOL	6.18	45	60075	10.85	PPBV	99
27) ACETONITRILE	6.39	41	105064	10.90	PPBV	98
28) BROMOETHENE	6.41	106	139249	10.45	PPBV #	99
29) METHYLENE CHLORIDE	7.39	84	127388	9.20	PPBV	95
30) 3-CHLOROPROPENE	7.49	76	66467	9.59	PPBV #	86
31) FREON 113	7.60	151	237570	9.70	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.19	96	137465	8.89	PPBV	97
33) TERTIARY BUTYL ALCOHOL	7.30	59	283593	10.83	PPBV	97
34) METHYL TERTIARY BUTYL ETHE	8.41	73	387158	9.91	PPBV	98
35) TETRAHYDROFURAN	9.75	72	67794	10.39	PPBV	95
36) HEXANE	9.25	57	238034	9.83	PPBV	94
37) VINYL ACETATE	8.46	86	37391	10.37	PPBV #	78
38) 1,1-DICHLOROETHANE	8.37	63	255954	10.06	PPBV	100
39) METHYL ETHYL KETONE	8.71	72	65626	10.02	PPBV #	83
40) cis-1,2-DICHLOROETHYLENE	9.10	96	145974	9.10	PPBV	97
41) DI-ISOPROPYL ETHER	9.24	87	117337	9.73	PPBV	99
42) ETHYL ACETATE	9.25	61	44251	10.06	PPBV #	89
43) METHYL ACRYLATE	9.25	55	259302	10.29	PPBV	100
44) CHLOROFORM	9.35	83	276054	10.08	PPBV	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52936.D Vial: 3
Acq On : 15 Dec 2015 12:20 pm Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:09 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2,4-DIMETHYLPENTANE	10.04	57	270975	9.84	PPBV		98
46)	1,1,1-TRICHLOROETHANE	10.26	97	286720	10.37	PPBV		98
47)	CARBON TETRACHLORIDE	10.82	117	297468	10.22	PPBV		99
48)	1,2-DICHLOROETHANE	10.02	62	173353	11.11	PPBV		99
50)	BENZENE	10.68	78	447480	8.59	PPBV		99
51)	CYCLOHEXANE	10.94	84	199406	8.06	PPBV		96
52)	2,3-DIMETHYLPENTANE	11.12	71	104152	8.80	PPBV		100
53)	TRICHLOROETHYLENE	11.66	95	181333	8.24	PPBV		100
54)	DIBROMOMETHANE	11.42	174	173961	8.74	PPBV		99
55)	1,2-DICHLOROPROPANE	11.44	63	163760	9.03	PPBV		97
56)	ETHYL ACRYLATE	11.38	55	298917	9.38	PPBV		100
57)	BROMODICHLOROMETHANE	11.62	83	306618	9.06	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	726302	8.51	PPBV		99
59)	1,4-DIOXANE	11.67	88	85575	8.90	PPBV	#	44
60)	METHYL METHACRYLATE	11.80	69	157642	9.21	PPBV		94
61)	HEPTANE	11.89	43	274367	8.87	PPBV		94
62)	METHYL ISOBUTYL KETONE	12.49	43	283379	9.57	PPBV		96
63)	cis-1,3-DICHLOROPROPENE	12.47	75	250387	8.68	PPBV		91
64)	TOLUENE	13.44	92	321776	9.19	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	12.97	75	212744	9.56	PPBV		94
66)	1,1,2-TRICHLOROETHANE	13.16	83	145941	9.25	PPBV		99
68)	ETHYL METHACRYLATE	13.65	69	243570	9.08	PPBV		99
69)	2-HEXANONE	13.67	58	155178	9.47	PPBV		92
70)	TETRACHLOROETHYLENE	14.58	164	214201	8.46	PPBV		100
71)	DIBROMOCHLOROMETHANE	13.88	129	313423	9.24	PPBV		100
72)	1,2-DIBROMOETHANE	14.13	107	249733	9.19	PPBV		100
73)	OCTANE	14.37	43	372093	9.08	PPBV		96
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	227469	9.42	PPBV		96
75)	CHLOROBENZENE	15.29	112	405842	8.78	PPBV		98
76)	ETHYLBENZENE	15.67	91	644863	8.97	PPBV		99
77)	m,p-XYLENE	15.86	106	532365	18.29	PPBV		97
78)	o-XYLENE	16.37	106	252037	9.45	PPBV		98
79)	STYRENE	16.25	104	406555	9.58	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.50	75	261164	9.09	PPBV		99
81)	NONANE	16.55	43	391070	10.53	PPBV		97
82)	BROMOFORM	15.98	173	304241	9.71	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.36	83	356507	9.55	PPBV		100
85)	ISOPROPYLBENZENE	16.98	105	749344	9.27	PPBV		99
86)	BROMOBENZENE	17.11	156	227039	9.57	PPBV		99
87)	2-CHLOROTOLUENE	17.51	126	179639	9.62	PPBV		95
88)	n-PROPYLBENZENE	17.53	120	201004	9.66	PPBV		99
89)	4-ETHYLTOLUENE	17.69	105	638569	9.76	PPBV		99
90)	1,3,5-TRIMETHYLBENZENE	17.77	105	606768	9.82	PPBV		99
91)	ALPHA-METHYLSTYRENE	17.95	118	279925	9.72	PPBV		98
92)	TERT-BUTYLBENZENE	18.22	134	145551	9.60	PPBV		98
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	556341	10.00	PPBV		99
94)	m-DICHLOROBENZENE	18.41	146	335051	9.79	PPBV		97
95)	BENZYL CHLORIDE	18.39	91	406523	10.04	PPBV		99
96)	p-DICHLOROBENZENE	18.48	146	339809	9.46	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52936.D Vial: 3
Acq On : 15 Dec 2015 12:20 pm Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:09 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
97)	SEC-BUTYLBENZENE	18.52	134	170595	9.75	PPBV	99
98)	p-ISOPROPYLTOLUENE	18.69	134	178633	10.12	PPBV	100
99)	o-DICHLOROBENZENE	18.87	146	311720	9.77	PPBV	100
100)	n-BUTYLBENZENE	19.16	134	150597	9.92	PPBV	99
101)	HEXACHLOROETHANE	19.62	201	235138	10.48	PPBV	98
102)	HEXACHLOROBUTADIENE	21.28	225	215999	9.77	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.18	180	135497	8.81	PPBV	100
104)	NAPHTHALENE	20.90	128	300322	9.32	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

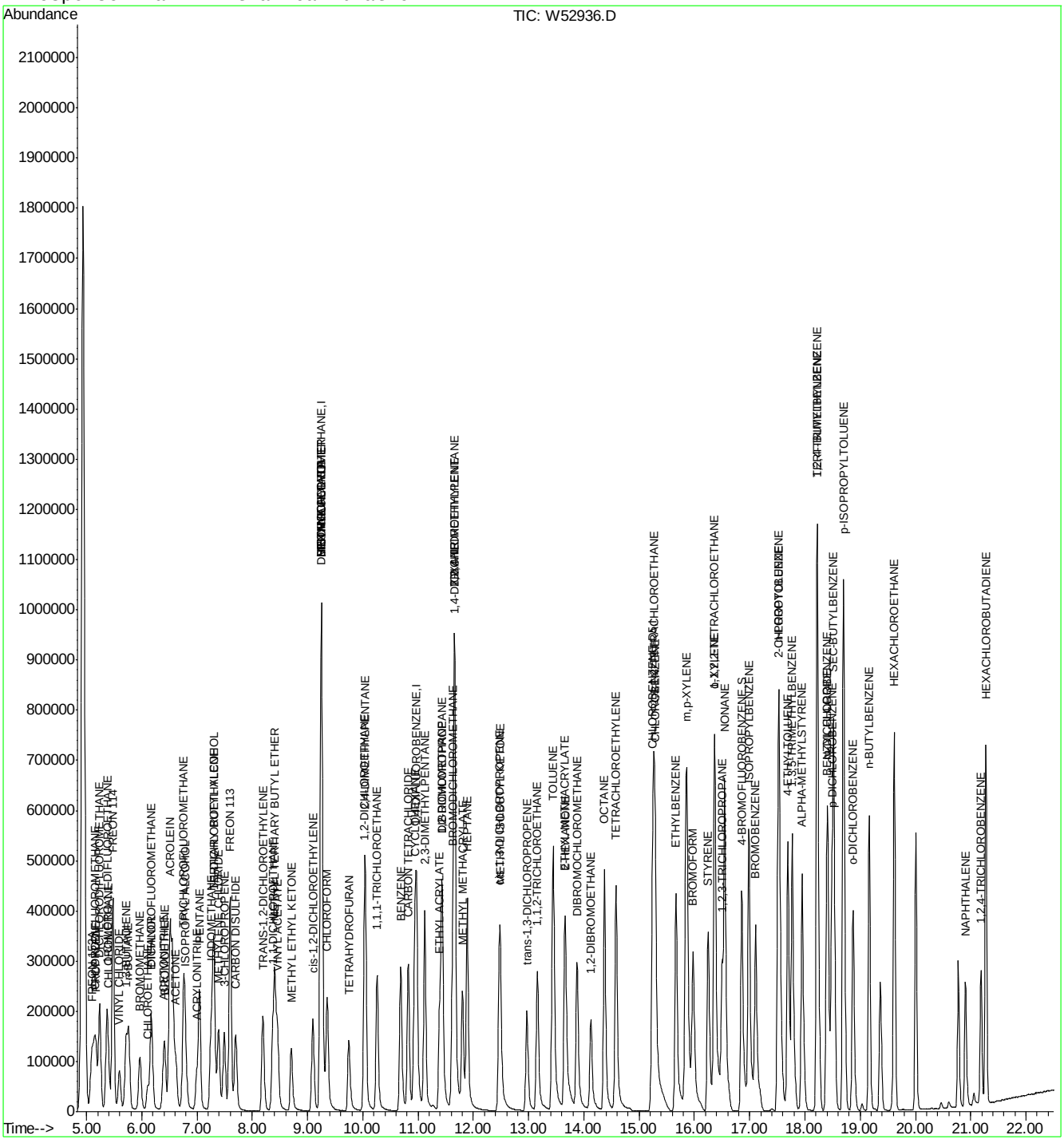
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52936.D
Acq On : 15 Dec 2015 12:20 pm
Sample : BSD
Misc : MS95682,VW2116,,,,,1
MS Integration Params: rteint.p
Quant Time: Dec 16 10:22 2015

Vial: 3
Operator: YOUMINH
Inst : MSW
Multiplr: 1.00

Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15319.D
Acq On : 24 Dec 2015 12:06 am
Operator : THOMASH
Sample : JC11091-1DUP
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 24 14:05:55 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.297	130	63748	10.00	ppb(v	0.01
53) 1,4-Difluorobenzene	10.506	114	216561	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.073	82	108984	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.297	130	63748	10.00	ppb(v	0.01
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.324	95	139301	10.32	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 103.20%			
Target Compounds						Qvalue
6) Dichlorodifluoromethane	3.966	85	1784	0.11	ppb(v#	96
12) n-Butane	4.437	58	24649	25.77	ppb(v	97
20) Trichlorofluoromethane	5.428	101	31298	2.11	ppb(v	100
21) Acetone	5.275	58	45647	14.61	ppb(v	95
22) Pentane	5.734	57	337	0.19	ppb(v	93
25) Isopropyl Alcohol	5.526	45	6040	0.51	ppb(v#	83
28) Methylene Chloride	6.126	84	1356	0.21	ppb(v	91
29) Carbon Disulfide	6.407	76	3244	0.17	ppb(v	99
30) Ethanol	4.872	45	9939	3.86	ppb(v	98
42) Ethyl Acetate	8.377	61	3899	1.87	ppb(v	92
56) Trichloroethene	11.338	95	13057	1.46	ppb(v	98
66) Toluene	13.675	91	4589	0.20	ppb(v	93
78) m,p-Xylene	16.930	91	2820	0.13	ppb(v	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

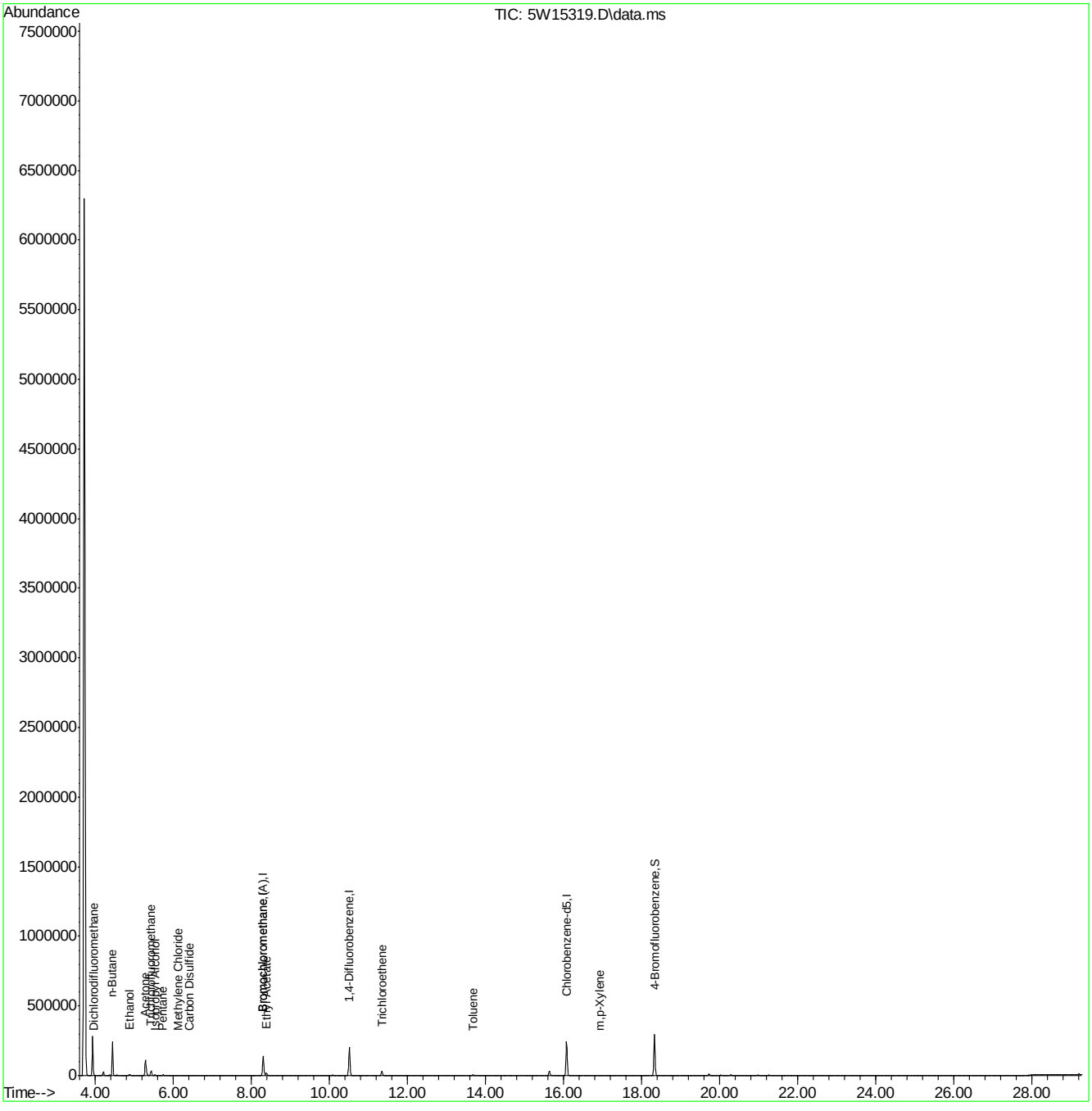
7.4.1

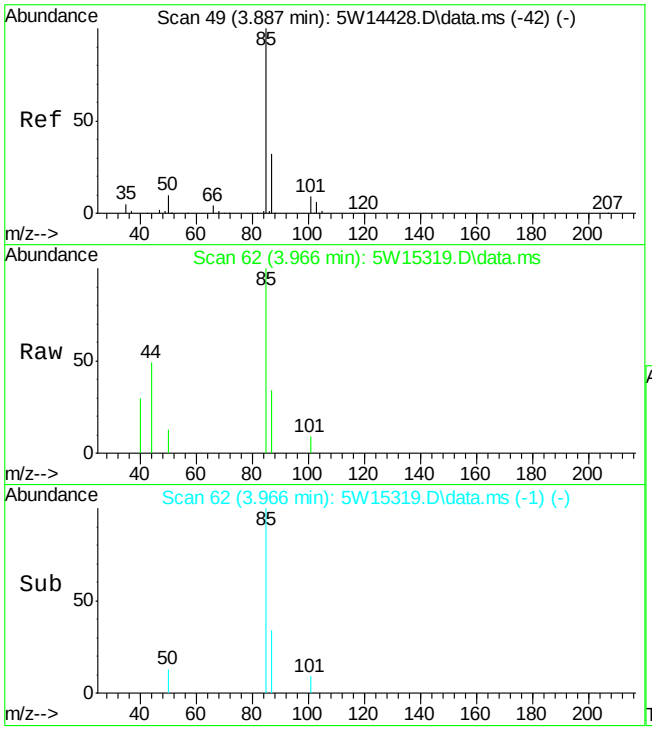
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15319.D
Acq On : 24 Dec 2015 12:06 am
Operator : THOMASH
Sample : JC11091-1DUP
Misc : MS96317,v5w613,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 24 14:05:55 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

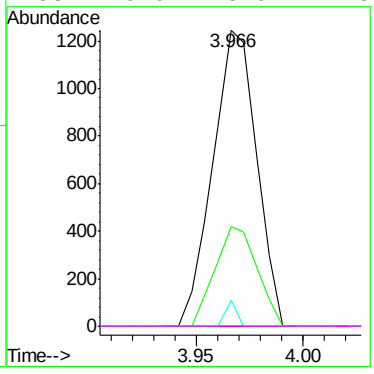


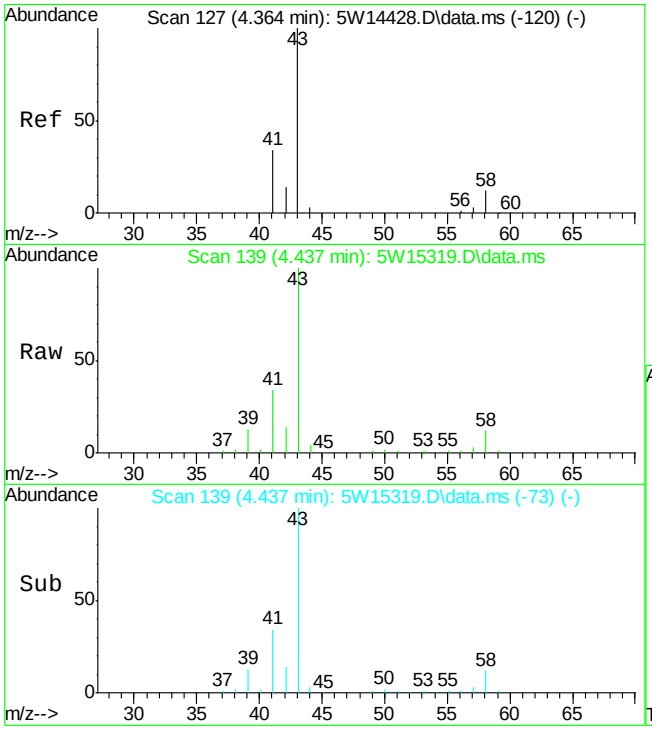


#6
Dichlorodifluoromethane
Concen: 0.11 ppb(v)
RT: 3.966 min Scan# 62
Delta R.T. 0.079 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 85 Resp: 1784

Ion	Ratio	Lower	Upper
85	100		
87	33.9	22.6	42.0
101	8.9	6.2	11.4
103	0.0	3.9	7.3#

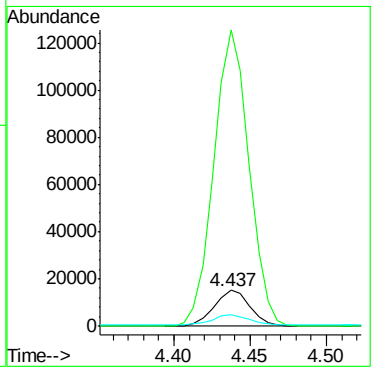




#12
n-Butane
Concen: 25.77 ppb(v)
RT: 4.437 min Scan# 139
Delta R.T. 0.073 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

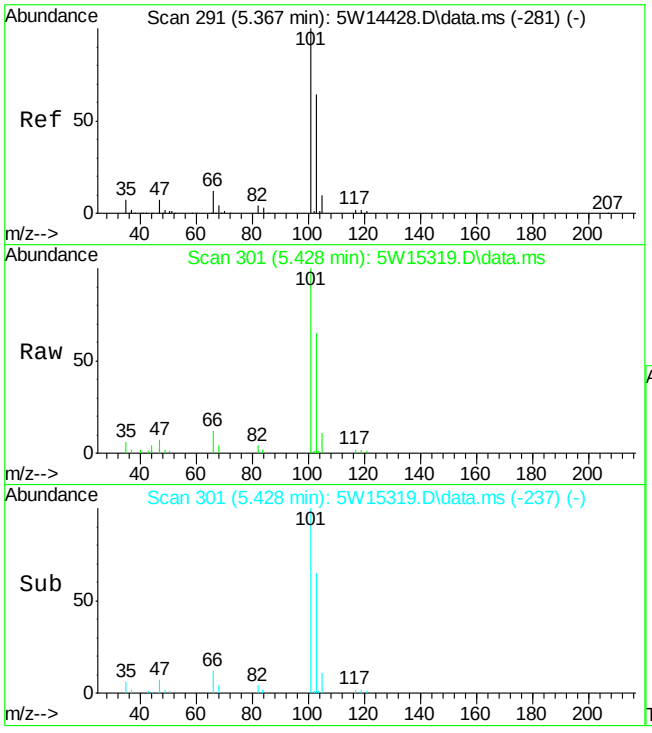
Tgt Ion: 58 Resp: 24649

Ion	Ratio	Lower	Upper
58	100		
43	824.6	583.0	1082.8
44	32.2	30.3	56.3



7.4.1

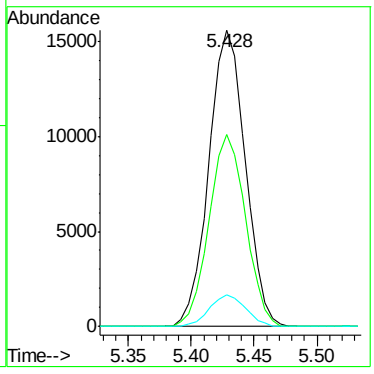
7

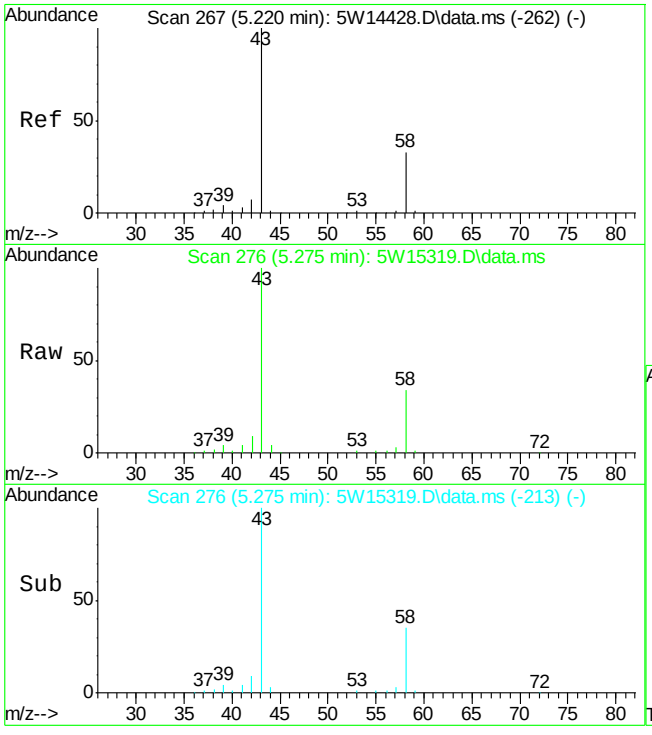


#20
Trichlorofluoromethane
Concen: 2.11 ppb(v)
RT: 5.428 min Scan# 301
Delta R.T. 0.061 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion:101 Resp: 31298

Ion	Ratio	Lower	Upper
101	100		
103	64.7	45.1	83.7
105	10.5	7.1	13.3

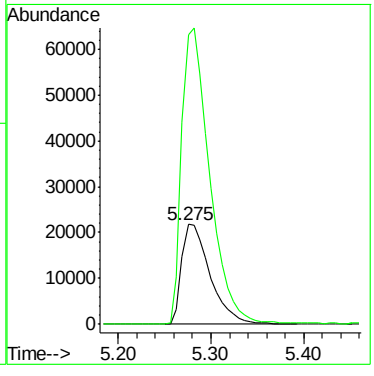


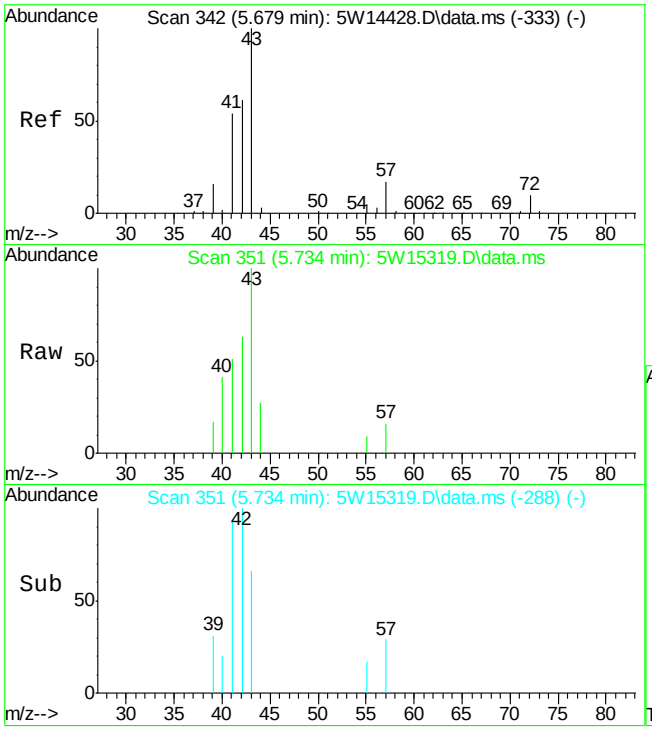


#21
Acetone
Concen: 14.61 ppb(v)
RT: 5.275 min Scan# 276
Delta R.T. 0.055 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 58 Resp: 45647

Ion	Ratio	Lower	Upper
58	100		
43	291.3	210.9	391.7

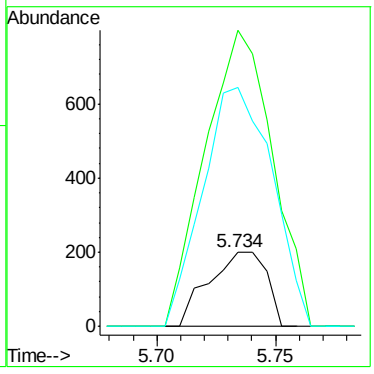


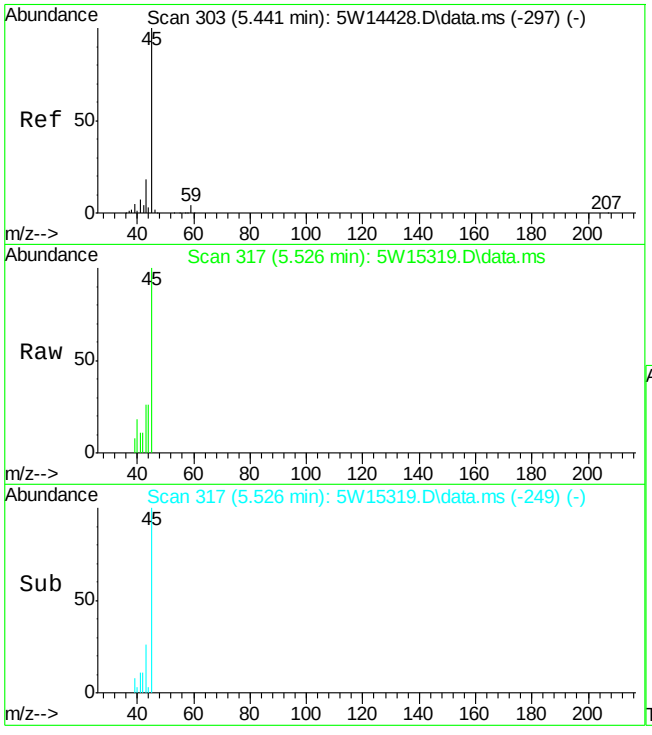


#22
Pentane
Concen: 0.19 ppb(v)
RT: 5.734 min Scan# 351
Delta R.T. 0.055 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 57 Resp: 337

Ion	Ratio	Lower	Upper
57	100		
42	397.5	259.0	481.0
41	321.4	227.7	422.9

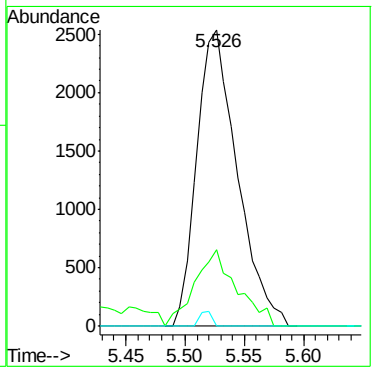


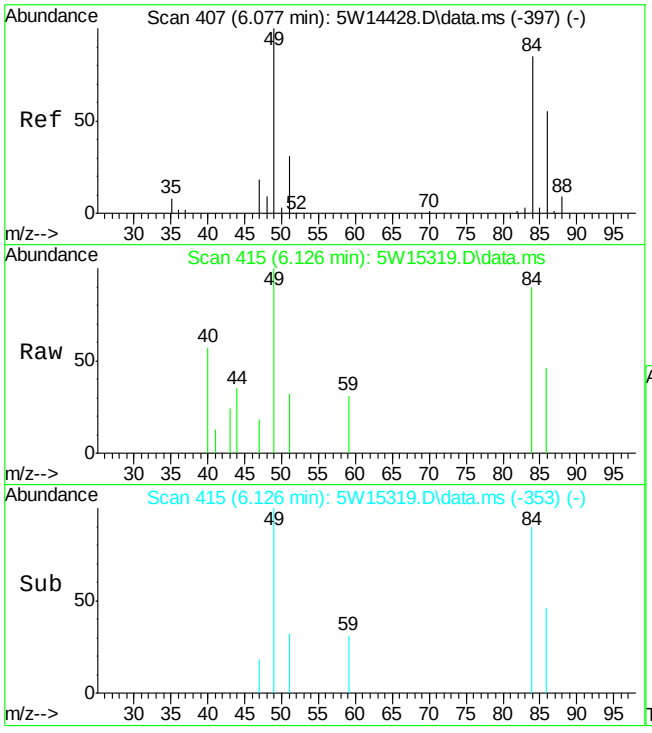


#25
Isopropyl Alcohol
Concen: 0.51 ppb(v)
RT: 5.526 min Scan# 317
Delta R.T. 0.086 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 45 Resp: 6040

Ion	Ratio	Lower	Upper
45	100		
43	25.7	12.6	23.4#
59	0.0	3.1	5.8#

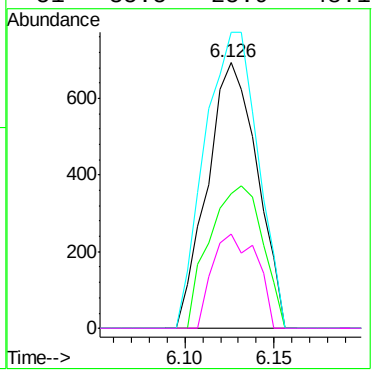


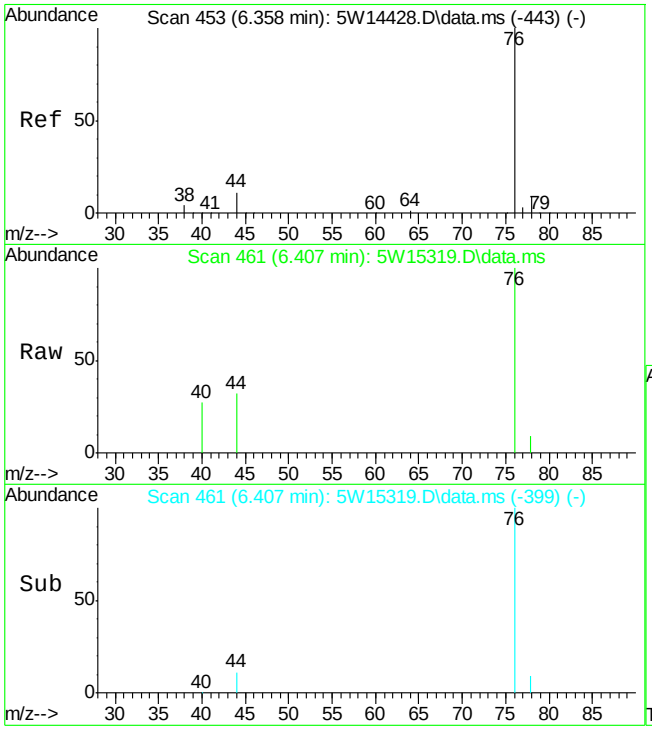


#28
Methylene Chloride
Concen: 0.21 ppb(v)
RT: 6.126 min Scan# 415
Delta R.T. 0.049 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 84 Resp: 1356

Ion	Ratio	Lower	Upper
84	100		
86	50.6	45.3	84.1
49	111.2	82.8	153.8
51	35.5	25.9	48.1

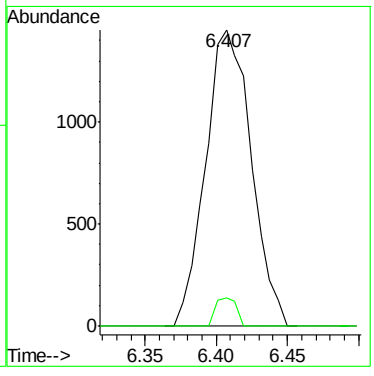


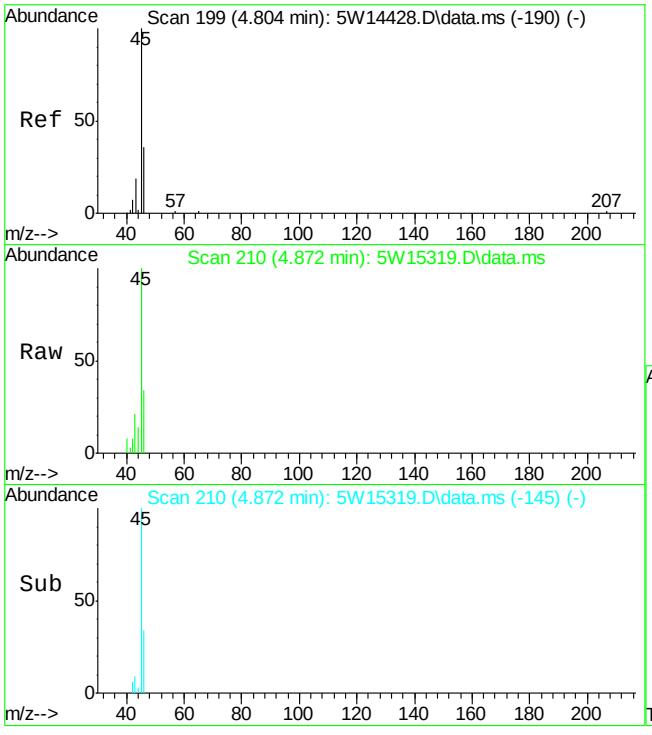


#29
Carbon Disulfide
Concen: 0.17 ppb(v)
RT: 6.407 min Scan# 461
Delta R.T. 0.049 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 76 Resp: 3244

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.4	11.8

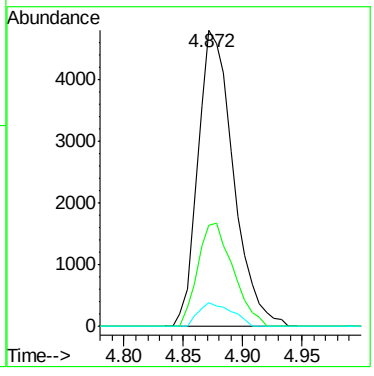


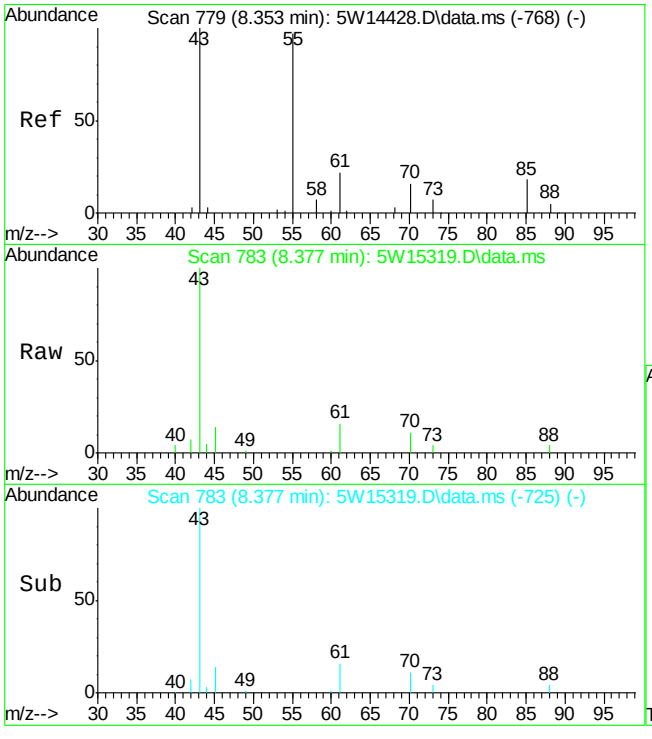


#30
Ethanol
Concen: 3.86 ppb(v)
RT: 4.872 min Scan# 210
Delta R.T. 0.068 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 45 Resp: 9939

Ion	Ratio	Lower	Upper
45	100		
46	34.3	24.9	46.3
42	8.1	5.5	10.3

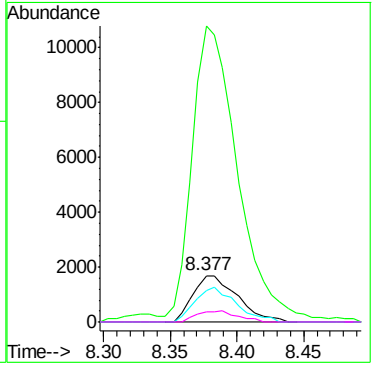


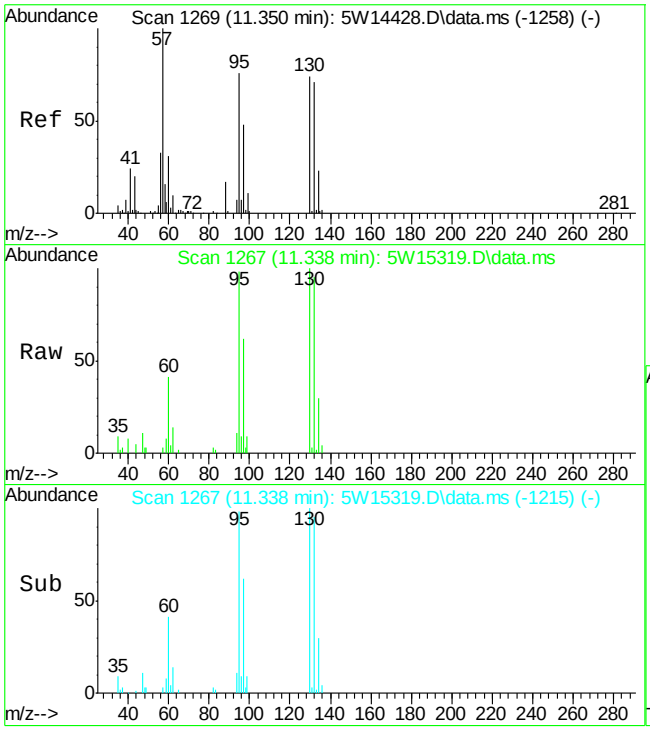


#42
Ethyl Acetate
Concen: 1.87 ppb(v)
RT: 8.377 min Scan# 783
Delta R.T. 0.024 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 61 Resp: 3899

Ion	Ratio	Lower	Upper
61	100		
43	635.5	463.2	860.2
70	67.1	51.2	95.2
88	22.8	17.6	32.6

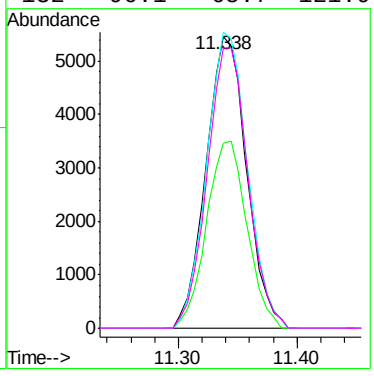


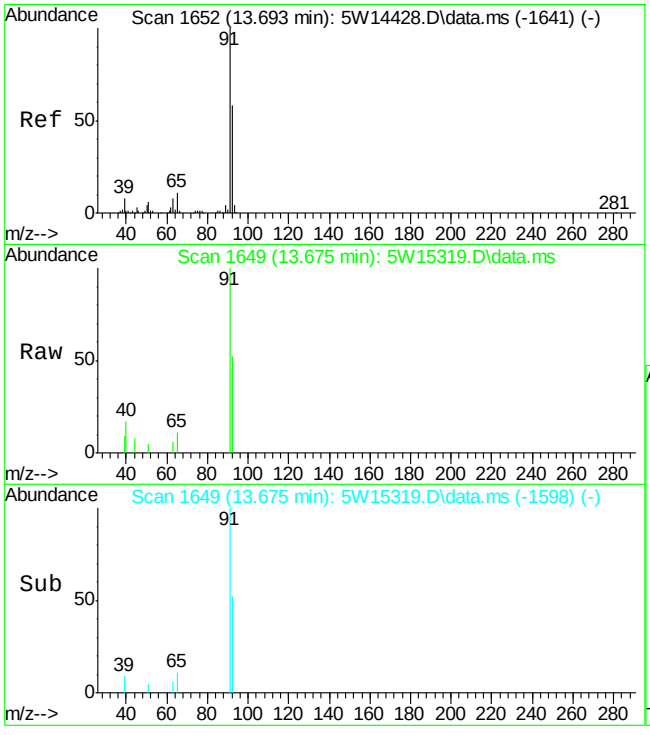


#56
Trichloroethene
Concen: 1.46 ppb(v)
RT: 11.338 min Scan# 1267
Delta R.T. -0.012 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 95 Resp: 13057

Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.5	82.7
130	101.5	68.7	127.7
132	96.1	65.7	121.9

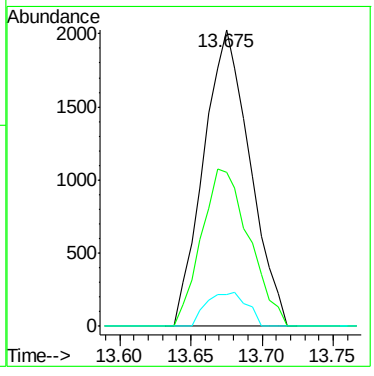


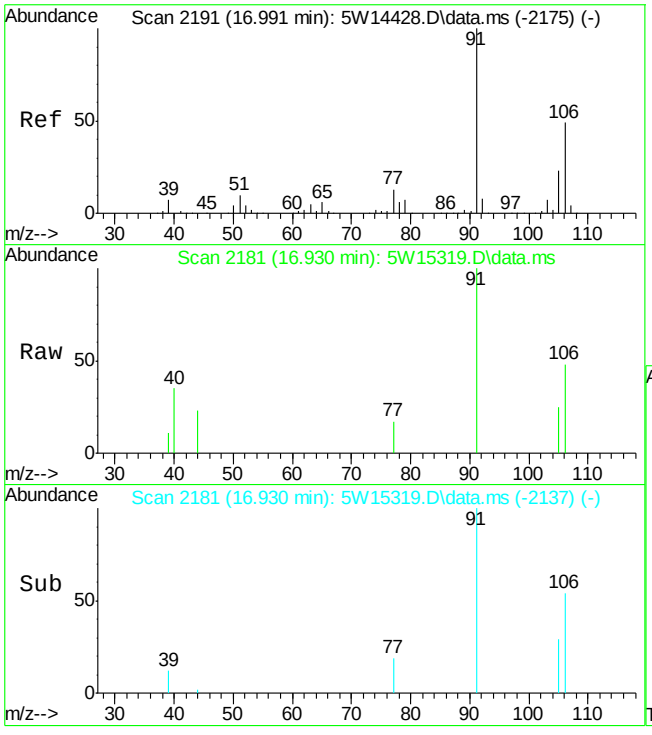


#66
Toluene
Concen: 0.20 ppb(v)
RT: 13.675 min Scan# 1649
Delta R.T. -0.018 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 91 Resp: 4589

Ion	Ratio	Lower	Upper
91	100		
92	51.9	40.5	75.3
65	10.8	7.8	14.4

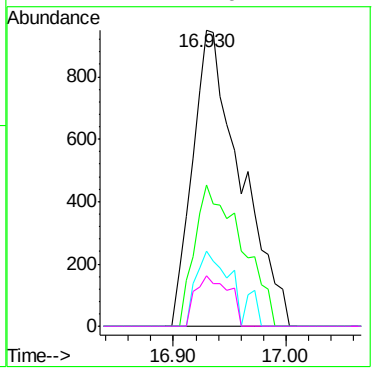




#78
m,p-Xylene
Concen: 0.13 ppb(v)
RT: 16.930 min Scan# 2181
Delta R.T. -0.061 min
Lab File: 5W15319.D
Acq: 24 Dec 2015 12:06 am

Tgt Ion: 91 Resp: 2820

Ion	Ratio	Lower	Upper
91	100		
106	47.7	34.6	64.2
105	25.4	16.0	29.8
77	17.1	9.2	17.2



7.4.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15039.D
Acq On : 10 Dec 2015 9:43 pm
Operator : THOMASH
Sample : SCC(A808)
Misc : MS95708,v5w602,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 11 10:50:31 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.365	130	115311	10.00	ppb(v	0.08
53) 1,4-Difluorobenzene	10.543	114	410168	10.00	ppb(v	0.03
75) Chlorobenzene-d5	16.073	82	207892	10.00	ppb(v	-0.04
106) Bromochloromethane (A)	8.365	130	115311	10.00	ppb(v	0.08
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.318	95	259905	10.09	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.90%			

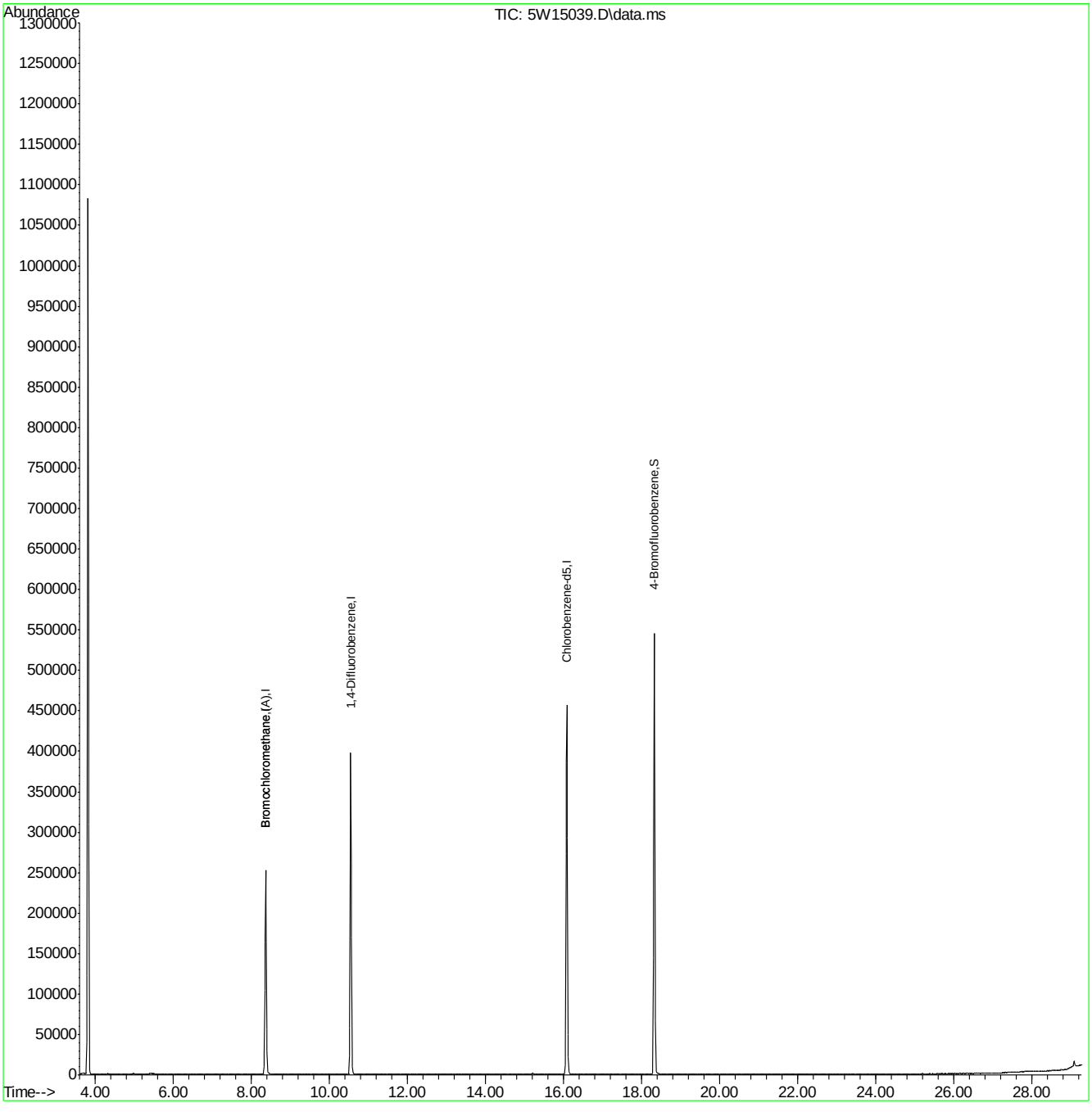
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15039.D
Acq On : 10 Dec 2015 9:43 pm
Operator : THOMASH
Sample : SCC(A808)
Misc : MS95708,v5w602,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 11 10:50:31 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52896.D Vial: 11
Acq On : 10 Dec 2015 11:13 pm Operator: YOUMINH
Sample : SCC(A569) Inst : MSW
Misc : MS95682,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 08:48:25 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.26	128	79700	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	353452	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	156815	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	152965	8.76	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 87.60%

Target Compounds Qvalue

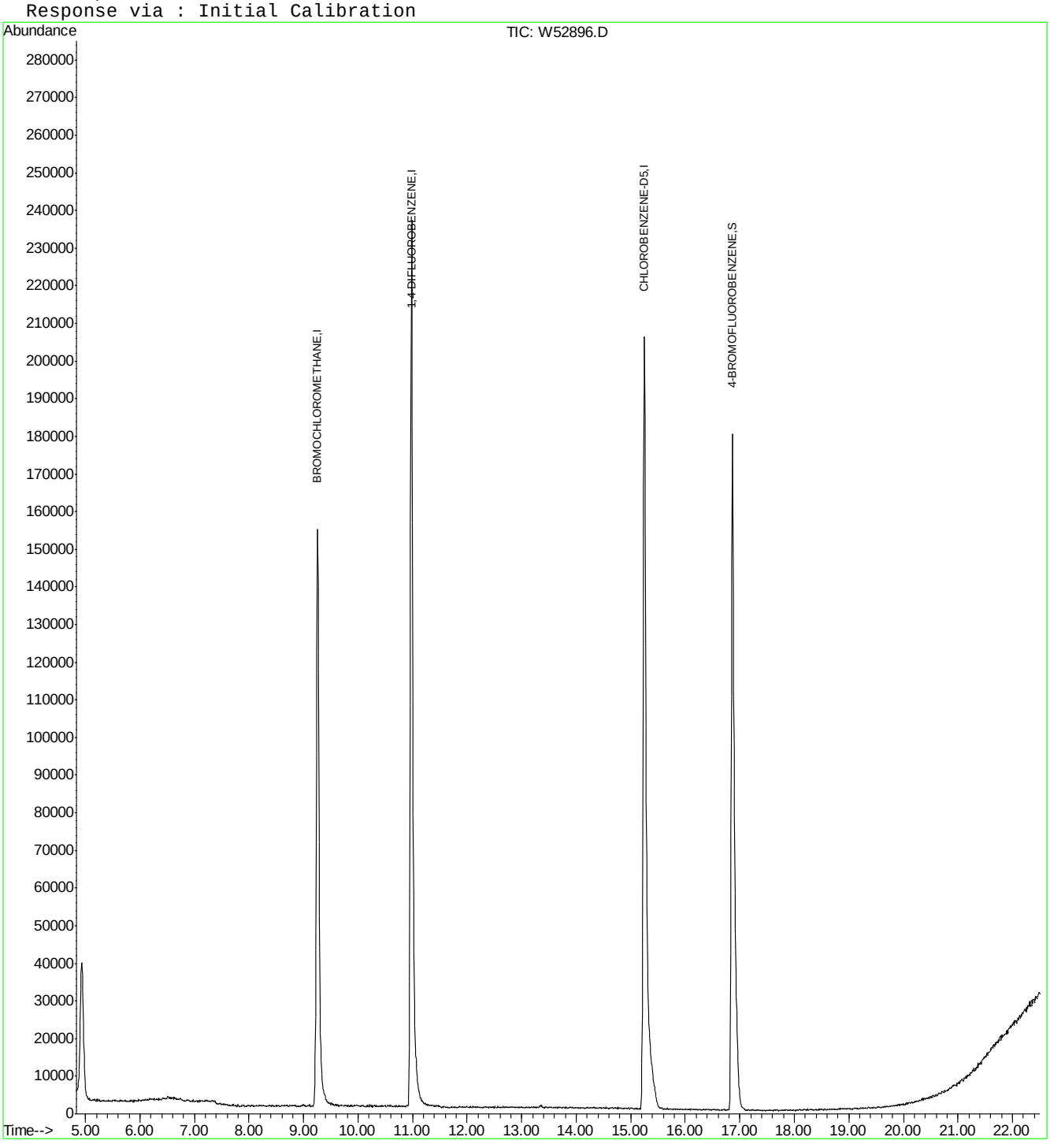
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52896.D
Acq On : 10 Dec 2015 11:13 pm
Sample : SCC(A569)
Misc : MS95682,VW2114,,,,,1
MS Integration Params: rteint.p
Quant Time: Dec 11 10:55 2015

Vial: 11
Operator: YOUMINH
Inst : MSW
Multiplr: 1.00
Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52952.D Vial: 1
Acq On : 16 Dec 2015 12:05 am Operator: YOUMINH
Sample : SCC(A1151) Inst : MSW
Misc : MS95985,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:10:10 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	103745	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.97	114	506453	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.24	82	222788	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	223615	9.01	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 90.10%

Target Compounds Qvalue

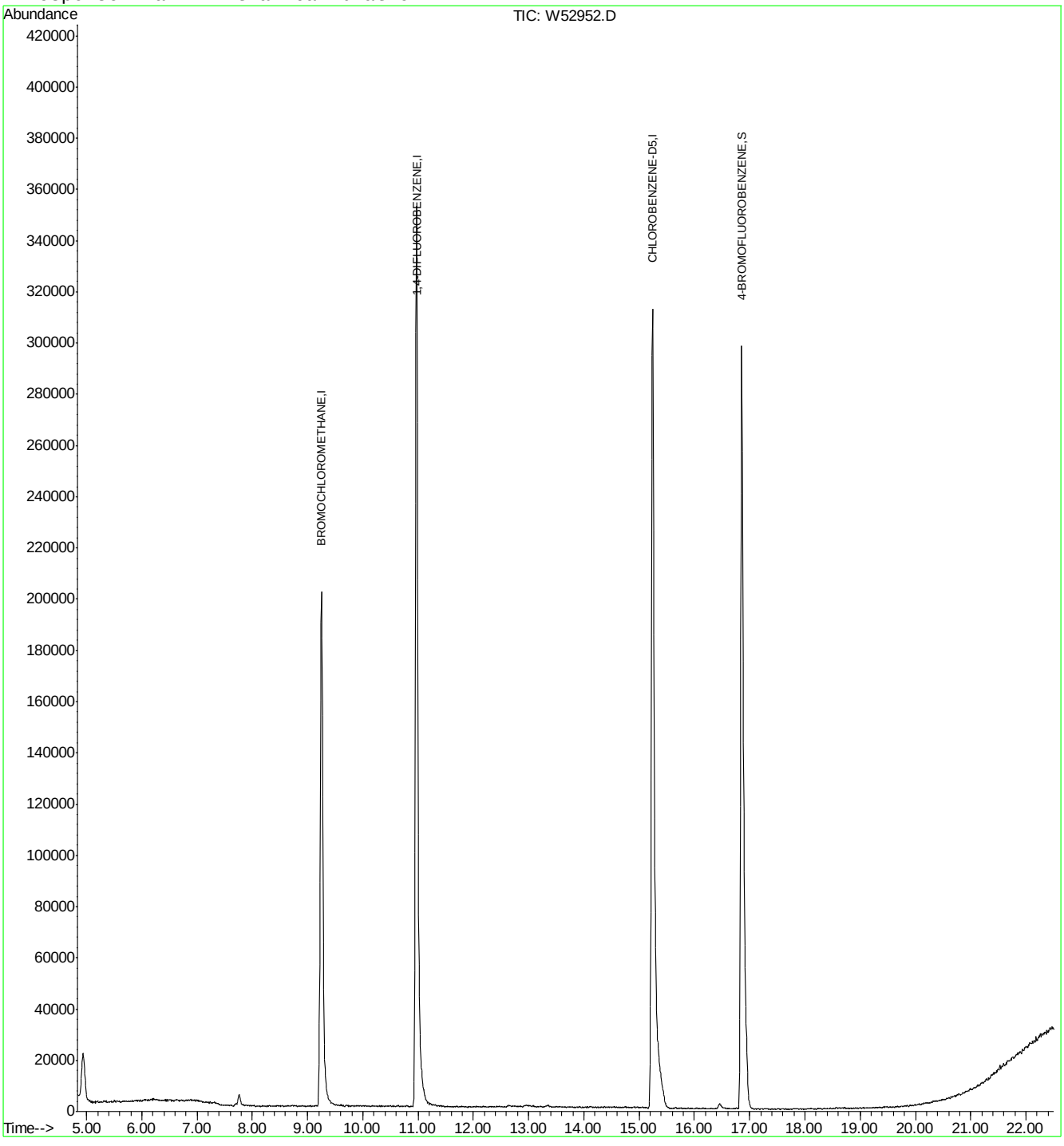
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52952.D
Acq On : 16 Dec 2015 12:05 am
Sample : SCC(A1151)
Misc : MS95985,VW2116,,,,,1
MS Integration Params: rteint.p
Quant Time: Dec 16 10:45 2015

Vial: 1
Operator: YOUMINH
Inst : MSW
Multiplr: 1.00
Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration

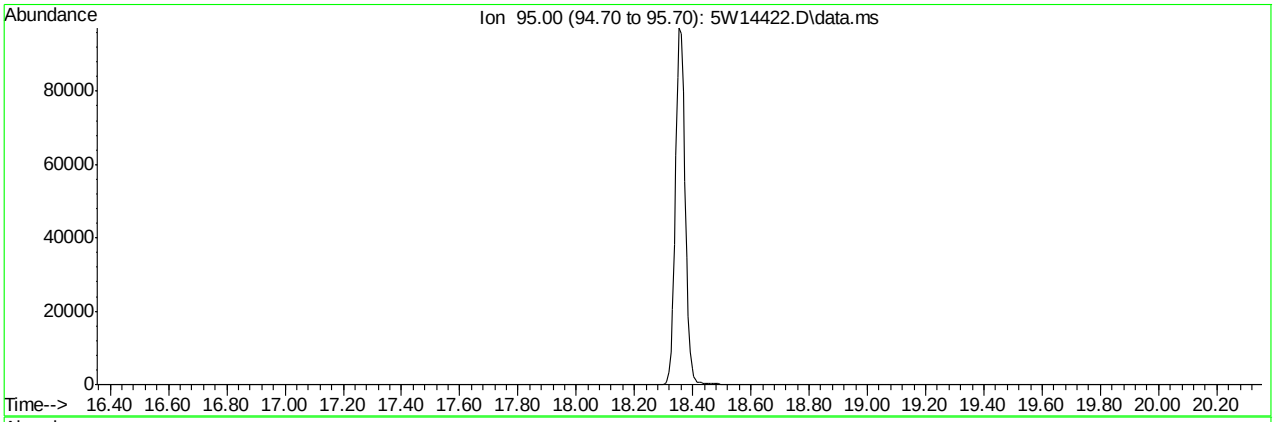


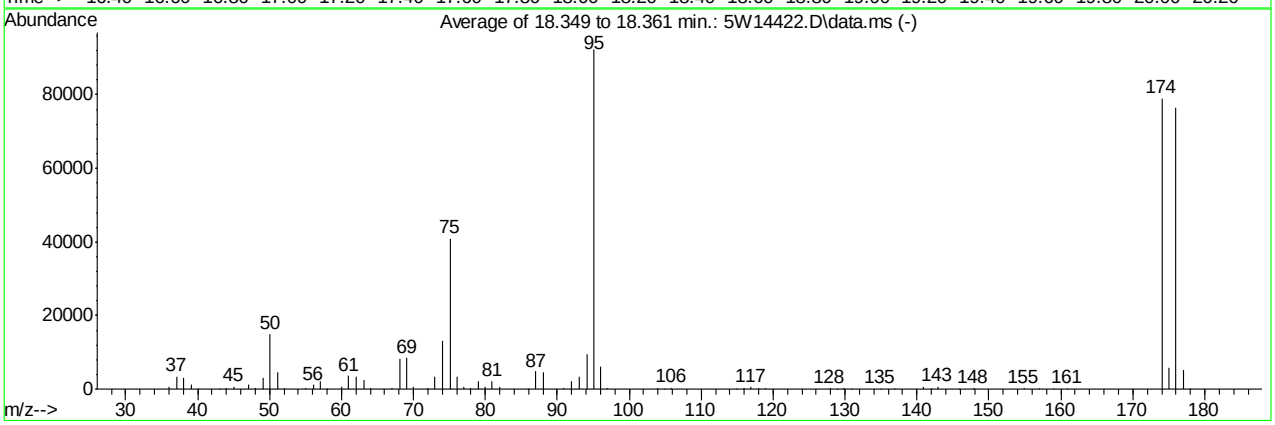
BFB

Data Path : C:\msdchem\1\DATA\
Data File : 5W14422.D
Acq On : 5 Nov 2015 11:48 am
Operator : THOMASH
Sample : bfb
Misc : MS92683,v5w577,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: Rteint.p

Method : C:\msdchem\1\METHODS\m5w577.M
Title : TO-15 Full Scan Mode
Last Update : Fri Nov 06 08:32:28 2015



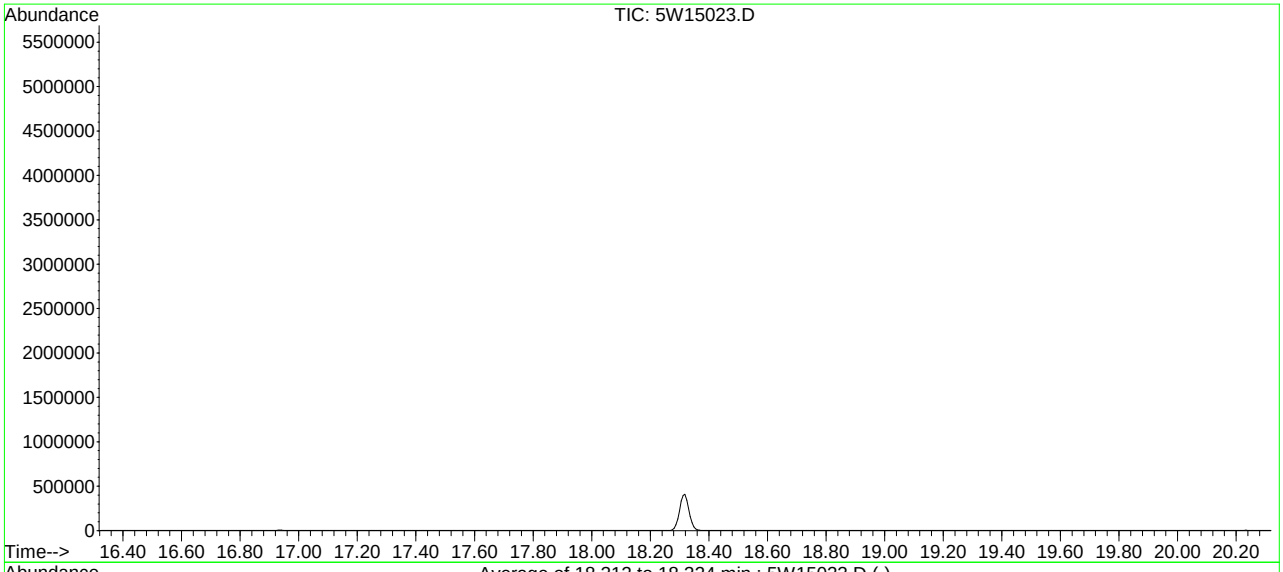


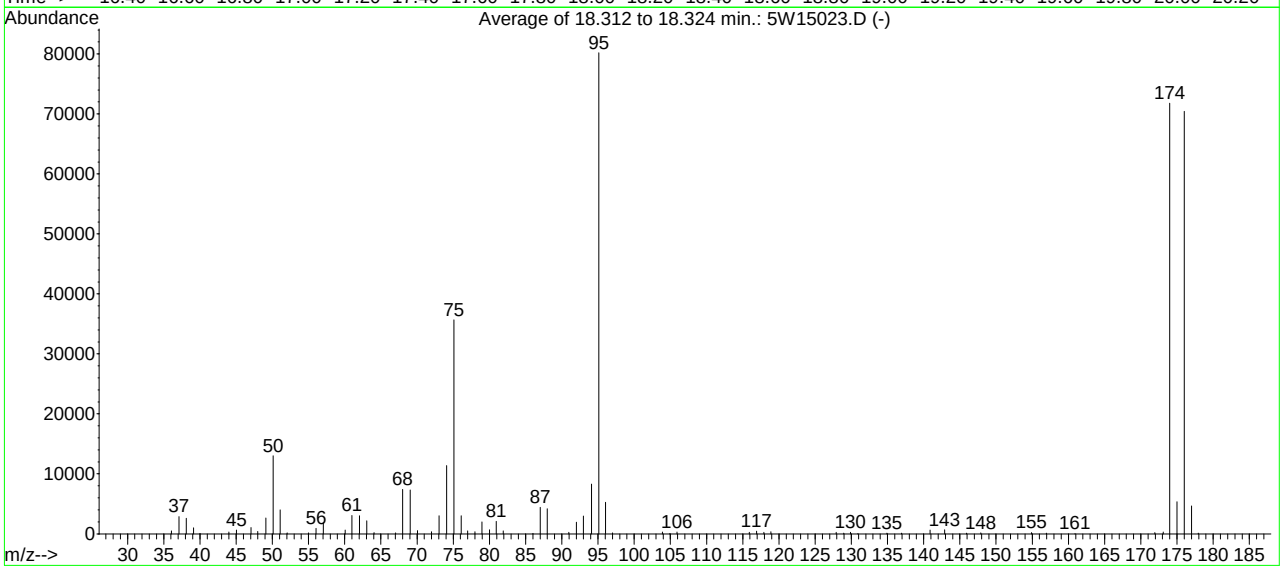
AutoFind: Scans 2413, 2414, 2415; Background Corrected with Scan 2403

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.3	15059	PASS
75	95	30	66	44.3	40848	PASS
95	95	100	100	100.0	92288	PASS
96	95	5	9	6.6	6124	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	85.6	78965	PASS
175	174	4	9	7.5	5948	PASS
176	174	93	101	96.9	76528	PASS
177	176	5	9	6.6	5047	PASS

BFB

```
Data File : C:\MSDCHEM\1\DATA\OLDV3W\5W15023.D          Vial: 1
Acq On    : 10 Dec 2015  10:01 am                   Operator: THOMASH
Sample    : BFB                                     Inst    : GCMS5W
Misc      : MS95274,v5w602,,,,,1                    Multiplr: 1.00
MS Integration Params: RTEINT1.P
Method    : C:\MSDCHEM\1\METHODS\M3W1945.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
```





AutoFind: Scans 2407, 2408, 2409; Background Corrected with Scan 2396

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.2	13016	PASS
75	95	30	66	44.5	35674	PASS
95	95	100	100	100.0	80186	PASS
96	95	5	9	6.6	5281	PASS
173	174	0.00	2	0.4	312	PASS
174	95	50	120	89.5	71805	PASS
175	174	4	9	7.5	5356	PASS
176	174	93	101	98.1	70426	PASS
177	176	5	9	6.6	4666	PASS

5W15023.D M3W1945.M Fri Dec 11 11:36:03 2015 MS3W

Average of 18.312 to 18.324 min.: 5W15023.D
BFB
Modified:subtracted

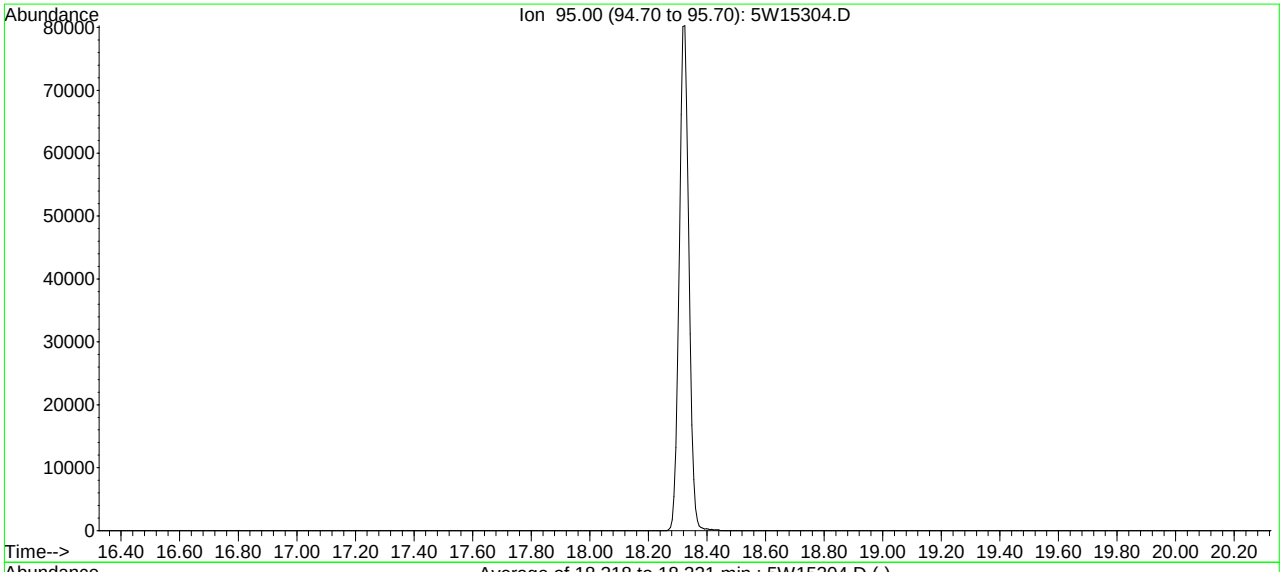
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	502	51.10	4016	68.00	7417	80.00	662
37.10	2886	52.05	180	69.05	7300	80.95	2089
38.10	2582	55.00	189	70.05	538	81.90	512
39.10	1014	56.05	930	72.00	374	86.00	77
40.00	85	57.05	1845	73.05	3022	87.00	4437
44.00	308	60.05	632	74.10	11379	88.00	4199
45.05	616	61.00	3087	75.10	35674	90.95	257
47.05	1046	62.05	3015	76.10	3002	92.00	1939
48.00	387	63.05	2180	77.00	484	93.00	2980
49.10	2656	64.05	223	78.00	351	94.10	8298
50.10	13016	67.05	187	78.95	1989	95.10	80186

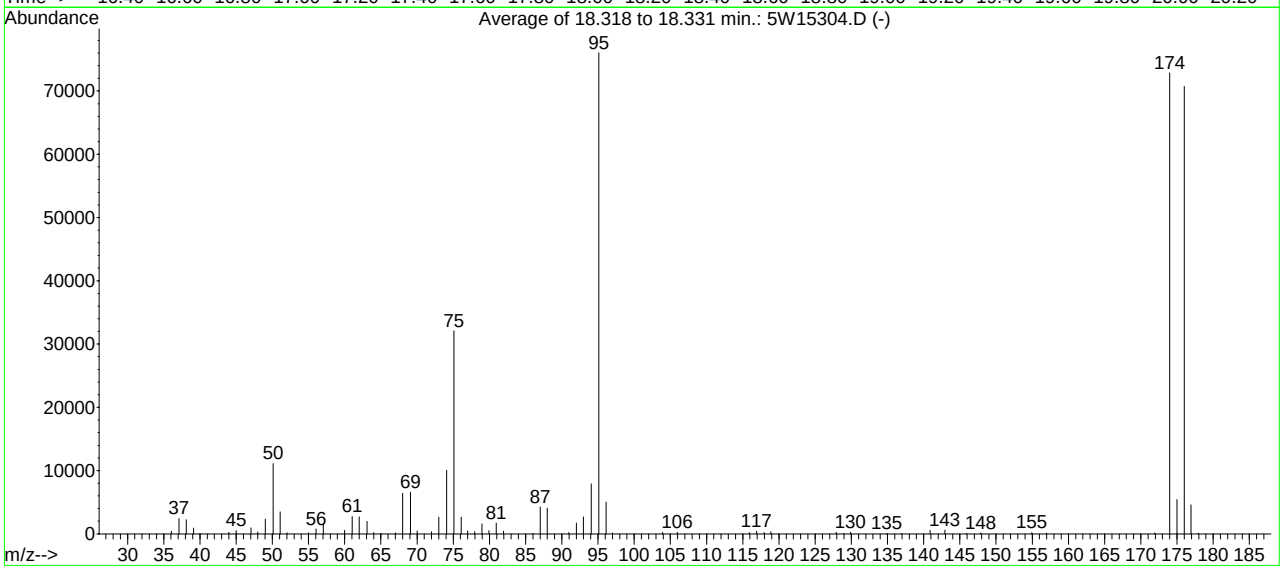
Average of 18.312 to 18.324 min.: 5W15023.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.05	5281	129.90	269	171.95	198		
97.00	164	130.90	38	173.10	312		
103.90	297	134.90	120	174.00	71805		
104.90	34	136.95	119	175.00	5356		
105.90	316	140.90	612	176.00	70426		
115.90	253	142.90	675	177.00	4666		
116.90	441	145.90	109	177.95	108		
117.90	245	147.90	183				
118.90	337	154.90	196				
127.90	254	156.95	131				
128.95	130	160.90	38				

BFB

```
Data File : C:\MSDCHEM\1\DATA\OLDV3W\5W15304.D          Vial: 1
Acq On    : 23 Dec 2015  11:39 am                   Operator: THOMASH
Sample    : BFB                                     Inst    : GCMS5W
Misc      : MS96317,v5w613,,,,,1                    Multiplr: 1.00
MS Integration Params: RTEINT1.P
Method    : C:\MSDCHEM\1\METHODS\M3W1956.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
```





AutoFind: Scans 2408, 2409, 2410; Background Corrected with Scan 2397

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.6	11122	PASS
75	95	30	66	42.2	32096	PASS
95	95	100	100	100.0	76029	PASS
96	95	5	9	6.6	5008	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.8	72837	PASS
175	174	4	9	7.4	5415	PASS
176	174	93	101	97.1	70722	PASS
177	176	5	9	6.5	4607	PASS

5W15304.D M3W1956.M Thu Dec 24 12:11:30 2015 MS3W

Average of 18.318 to 18.331 min.: 5W15304.D
BFB
Modified:subtracted

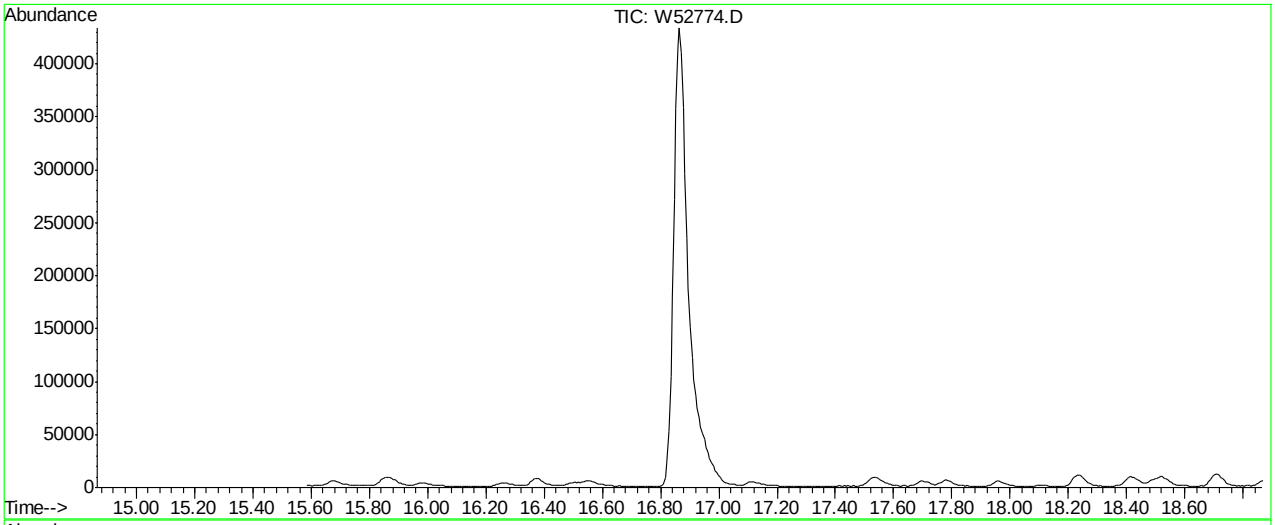
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	421	51.10	3496	67.05	164	78.95	1599
37.10	2438	52.05	161	68.00	6387	79.95	513
38.10	2233	55.00	147	69.10	6572	80.95	1728
39.10	889	56.05	780	70.00	486	81.95	411
40.00	71	57.05	1591	72.00	323	86.00	73
44.00	257	60.00	538	73.00	2646	87.00	4246
45.00	510	61.05	2730	74.10	10044	88.00	4075
47.05	941	62.00	2680	75.10	32096	90.95	209
48.00	311	63.10	1995	76.10	2655	92.00	1724
49.05	2321	64.00	184	77.00	484	93.00	2690
50.10	11122	65.10	33	77.95	334	94.05	7905

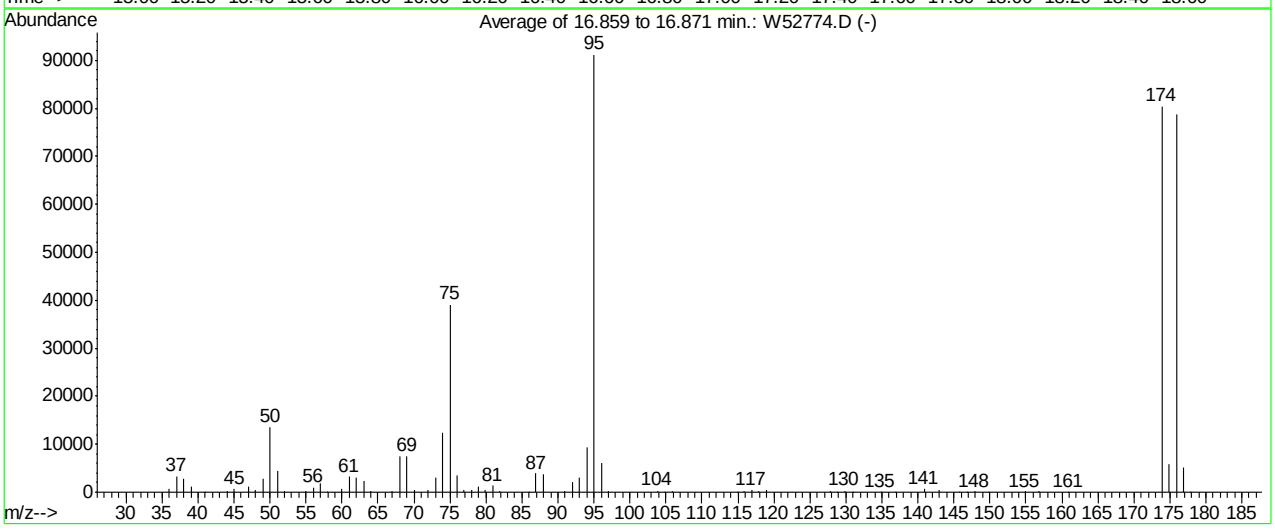
Average of 18.318 to 18.331 min.: 5W15304.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.10	76029	129.90	248	175.00	5415		
96.10	5008	134.90	76	176.00	70722		
97.00	161	136.90	74	176.95	4607		
103.90	244	140.90	559	177.95	128		
105.95	260	142.95	591				
115.90	215	145.90	77				
116.90	404	147.90	179				
117.95	200	154.95	191				
118.90	351	156.95	127				
127.90	240	171.95	169				
128.90	78	174.00	72837				

BFB

Data File : C:\MSDCHEM\1\DATA\W52774.D Vial: 5
Acq On : 4 Dec 2015 9:48 am Operator: YOUMINH
Sample : BFB Inst : MSW
Misc : MS94901,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um





AutoFind: Scans 210, 211, 212; Background Corrected with Scan 198

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.0	13646	PASS
75	95	30	66	42.8	39077	PASS
95	95	100	100	100.0	91229	PASS
96	95	5	9	6.8	6164	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	88.2	80474	PASS
175	174	4	9	7.3	5879	PASS
176	174	93	101	97.7	78650	PASS
177	176	5	9	6.5	5134	PASS

W52774.D MW2109.M Mon Dec 07 10:04:30 2015 MSW

Average of 16.859 to 16.871 min.: W52774.D
BFB
Modified:subtracted

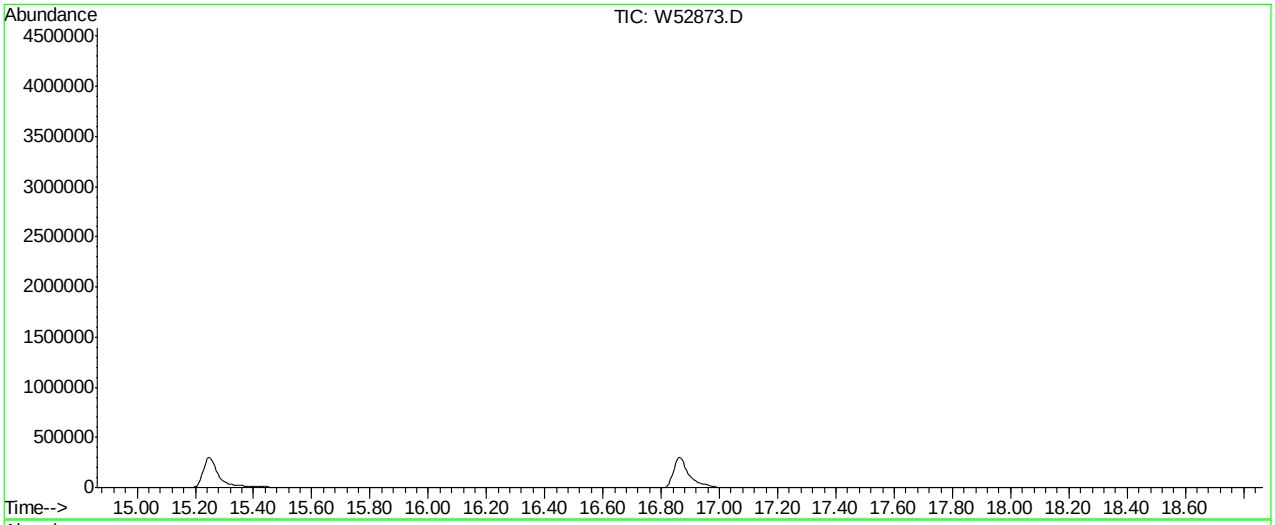
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	650	51.00	4430	66.95	204	78.90	1283
37.00	3381	51.95	199	68.00	7521	79.90	414
38.00	2824	55.00	231	69.00	7580	80.90	1371
39.00	1133	56.00	941	70.00	582	81.90	311
41.00	35	57.00	1797	71.95	403	85.95	81
44.00	321	57.90	34	73.00	3146	86.95	3964
45.00	639	60.00	689	74.00	12401	87.90	3791
47.00	1188	61.00	3175	75.00	39077	90.95	237
48.00	436	62.00	3138	76.00	3442	92.00	2032
49.00	2900	63.00	2371	76.95	482	93.00	3154
50.00	13646	63.95	204	77.95	382	94.00	9366

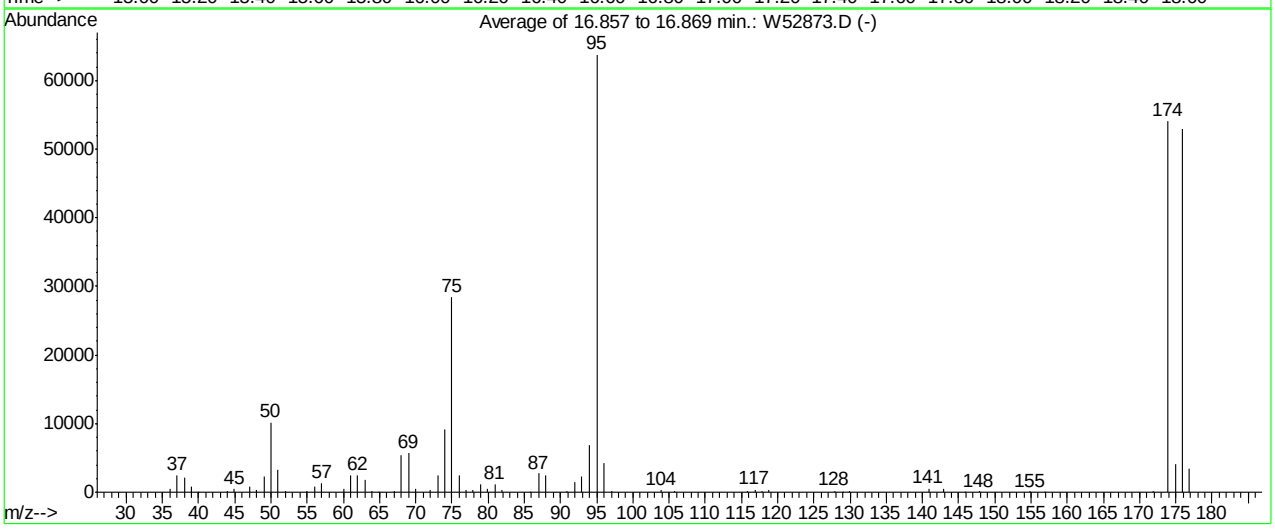
Average of 16.859 to 16.871 min.: W52774.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	91229	127.85	249	149.80	38		
96.00	6164	128.85	122	154.90	200		
96.95	185	129.85	273	156.80	145		
103.85	280	130.90	84	160.90	38		
104.85	76	134.85	84	173.90	80474		
105.90	255	136.80	73	174.90	5879		
114.90	36	140.90	649	175.90	78650		
115.85	237	142.90	574	176.90	5134		
116.90	411	145.80	46	177.80	81		
117.85	268	146.80	38				
118.90	360	147.90	192				

BFB

Data File : C:\MSDCHEM\1\DATA\W52873.D Vial: 1
Acq On : 10 Dec 2015 6:49 am Operator: YOUMINH
Sample : BFB Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um





AutoFind: Scans 1973, 1974, 1975; Background Corrected with Scan 1961

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.0	10214	PASS
75	95	30	66	44.6	28477	PASS
95	95	100	100	100.0	63810	PASS
96	95	5	9	6.6	4190	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	84.9	54178	PASS
175	174	4	9	7.5	4042	PASS
176	174	93	101	97.7	52925	PASS
177	176	5	9	6.5	3444	PASS

W52873.D MW2109.M Fri Dec 11 10:59:28 2015 MSW

Average of 16.857 to 16.869 min.: W52873.D
BFB
Modified:subtracted

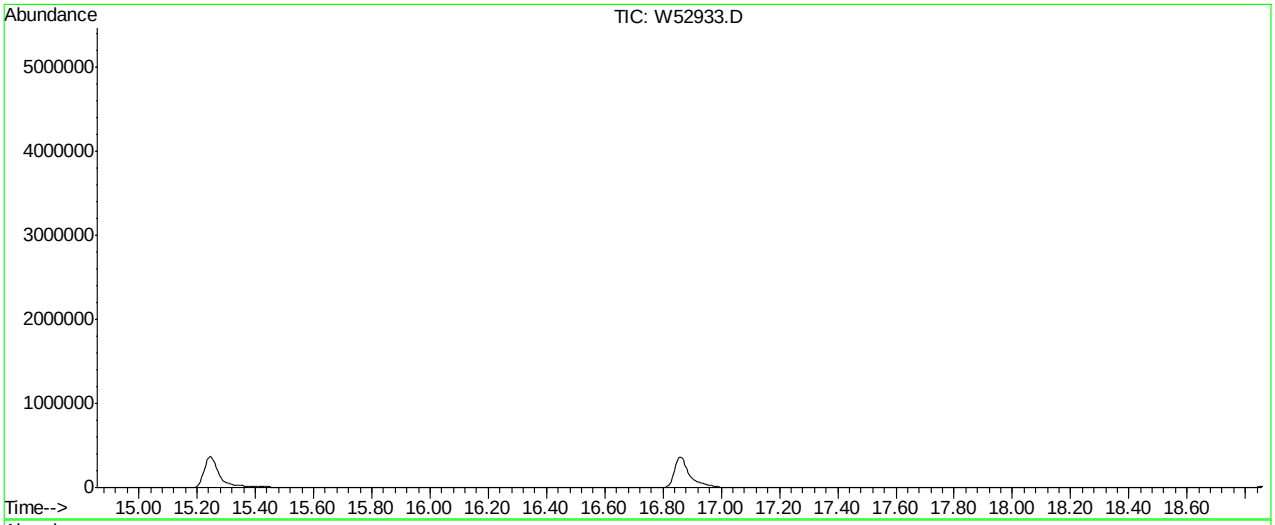
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	453	51.00	3248	67.05	156	78.90	1152
37.00	2453	51.95	142	68.00	5476	79.90	424
38.00	2133	54.95	176	69.00	5673	80.90	1187
39.00	885	56.00	747	70.00	420	81.85	303
40.00	54	57.00	1381	71.95	342	85.70	35
44.00	204	60.00	507	73.00	2475	86.95	2734
44.95	487	61.00	2433	74.00	9158	87.95	2456
47.00	803	62.00	2508	75.00	28477	90.95	214
47.95	323	63.00	1866	76.00	2434	91.95	1488
49.00	2291	64.00	204	76.95	349	92.95	2339
50.00	10214	64.90	38	77.95	281	94.00	6840

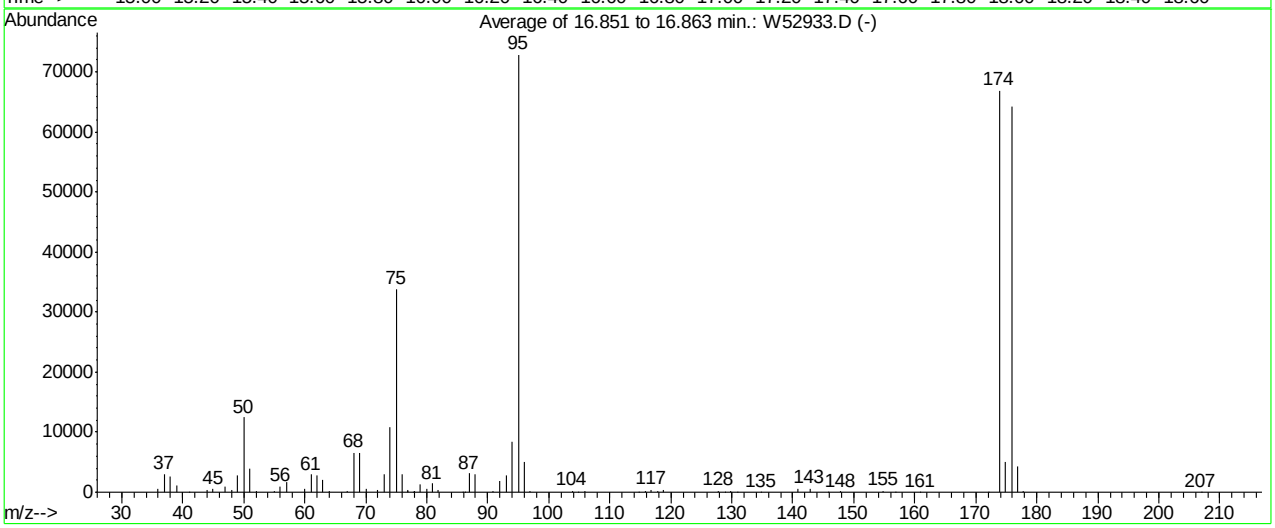
Average of 16.857 to 16.869 min.: W52873.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	63810	129.85	203	176.90	3444		
96.00	4190	140.90	519				
97.00	144	142.90	503				
103.90	260	145.80	34				
105.80	202	147.85	97				
115.85	182	154.85	137				
116.90	384	156.90	70				
117.90	180	171.85	153				
118.80	276	173.90	54178				
127.85	222	174.90	4042				
128.90	37	175.90	52925				

BFB

Data File : C:\MSDCHEM\1\DATA\W52933.D Vial: 1
Acq On : 15 Dec 2015 9:53 am Operator: YOUMINH
Sample : BFB Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um





AutoFind: Scans 1972, 1973, 1974; Background Corrected with Scan 1961

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.0	12425	PASS
75	95	30	66	46.4	33832	PASS
95	95	100	100	100.0	72909	PASS
96	95	5	9	6.8	4956	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.7	66877	PASS
175	174	4	9	7.5	5045	PASS
176	174	93	101	96.2	64309	PASS
177	176	5	9	6.7	4280	PASS

W52933.D MW2109.M Wed Dec 16 11:56:02 2015 MSW

Average of 16.851 to 16.863 min.: W52933.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	624	51.00	3844	68.00	6594	77.95	218
37.00	3073	52.05	158	69.00	6544	78.90	1364
38.00	2705	55.00	219	70.00	535	79.95	493
39.00	1074	56.00	948	72.00	397	80.90	1472
41.00	44	57.00	1654	73.00	3051	81.90	367
44.00	293	60.00	598	74.00	10832	85.90	42
45.00	562	61.00	2967	75.00	33832	86.20	46
47.00	945	62.00	2831	76.00	3037	86.95	3113
48.00	376	63.00	2151	76.80	115	87.90	2943
49.00	2731	64.00	214	76.95	297	90.85	247
50.00	12425	66.95	206	77.80	95	92.00	1910

Average of 16.851 to 16.863 min.: W52933.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	2793	117.85	251	154.85	201		
94.00	8444	118.85	296	156.85	86		
95.00	72909	127.80	267	160.90	33		
96.00	4956	128.85	79	172.00	35		
97.00	159	129.85	235	173.90	66877		
103.85	268	130.90	35	174.90	5045		
104.90	38	134.80	34	175.90	64309		
105.90	256	140.90	572	176.90	4280		
114.80	36	142.85	627	177.85	117		
115.85	227	145.75	87	206.90	33		
116.85	430	147.85	185				

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14423.D
Acq On : 5 Nov 2015 12:41 pm
Operator : THOMASH
Sample : ic577-0.04
Misc : MS92683,v5w577,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 17:27:17 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.285	130	97642	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	10.512	114	361654	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.104	82	185103	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.285	130	97642	10.00	ppb(v	0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.355	95	239633	11.55	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery	=	115.50%	
Target Compounds						Qvalue
6) Dichlorodifluoromethane	3.893	85	1127	0.04	ppb(v#	91
8) Chloromethane	4.034	50	368	0.04	ppb(v#	65
9) Dichlorotetrafluoroethane	4.107	85	1153	0.04	ppb(v	97
10) Vinyl Chloride	4.217	62	372	0.03	ppb(v#	49
11) 1,3-Butadiene	4.321	54	321	0.04	ppb(v#	74
13) Bromomethane	4.554	94	473	0.04	ppb(v#	86
15) Dichlorofluoromethane	4.774	67	1036	0.04	ppb(v#	67
17) Freon 123	5.129	83	996	0.03	ppb(v	96
18) Freon 123A	5.178	117	485	0.03	ppb(v	73
19) Bromoethene	5.000	106	328	0.03	ppb(v#	81
20) Trichlorofluoromethane	5.367	101	945	0.03	ppb(v#	95
24) Iodomethane	5.893	142	1181	0.04	ppb(v	98
26) 1,1-Dichloroethene	5.954	61	662	0.04	ppb(v	90
27) Freon 113	6.315	101	890	0.04	ppb(v	93
28) Methylene Chloride	6.077	84	637	0.06	ppb(v	93
29) Carbon Disulfide	6.364	76	1243	0.04	ppb(v#	74
31) Acrylonitrile	5.655	53	392	0.04	ppb(v#	68
33) trans-1,2-Dichloroethene	7.001	61	569	0.03	ppb(v#	78
34) tert-Butyl Alcohol	6.046	59	1042	0.04	ppb(v#	52
35) Methyl tert-Butyl Ether	7.300	73	1511	0.05	ppb(v#	76
37) 1,1-Dichloroethane	7.202	63	764	0.04	ppb(v#	89
39) Hexane	8.304	57	1079	0.06	ppb(v#	62
40) cis-1,2-Dichloroethene	8.102	61	482	0.03	ppb(v	93
41) Di-isopropyl Ether	8.340	87	227	0.03	ppb(v#	78
44) Chloroform	8.426	83	844	0.03	ppb(v#	89
45) 2,4-Dimethylpentane	9.301	57	1303	0.06	ppb(v	88
47) 1,1,1-Trichloroethane	9.533	97	946	0.04	ppb(v#	88
48) 1,2-Dichloroethane	9.246	62	491	0.03	ppb(v#	53
49) Benzene	10.084	78	1371	0.04	ppb(v	95
50) Carbon Tetrachloride	10.249	117	907	0.04	ppb(v	84
51) Cyclohexane	10.384	56	626	0.03	ppb(v#	78
52) 2,3-Dimethylpentane	10.683	71	220	0.03	ppb(v#	60
54) 2,2,4-Trimethylpentane	11.369	57	2579	0.04	ppb(v#	91
55) Heptane	11.717	71	439	0.04	ppb(v#	83
56) Trichloroethene	11.350	95	607	0.04	ppb(v	93
57) 1,2-Dichloropropane	11.057	63	452	0.03	ppb(v#	45
58) Dibromomethane	11.038	174	563	0.04	ppb(v	88
59) Ethyl Acrylate	11.130	55	1261	0.05	ppb(v#	79
60) Methyl Methacrylate	11.656	69	555	0.04	ppb(v#	65

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14423.D
Acq On : 5 Nov 2015 12:41 pm
Operator : THOMASH
Sample : ic577-0.04
Misc : MS92683,v5w577,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 17:27:17 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

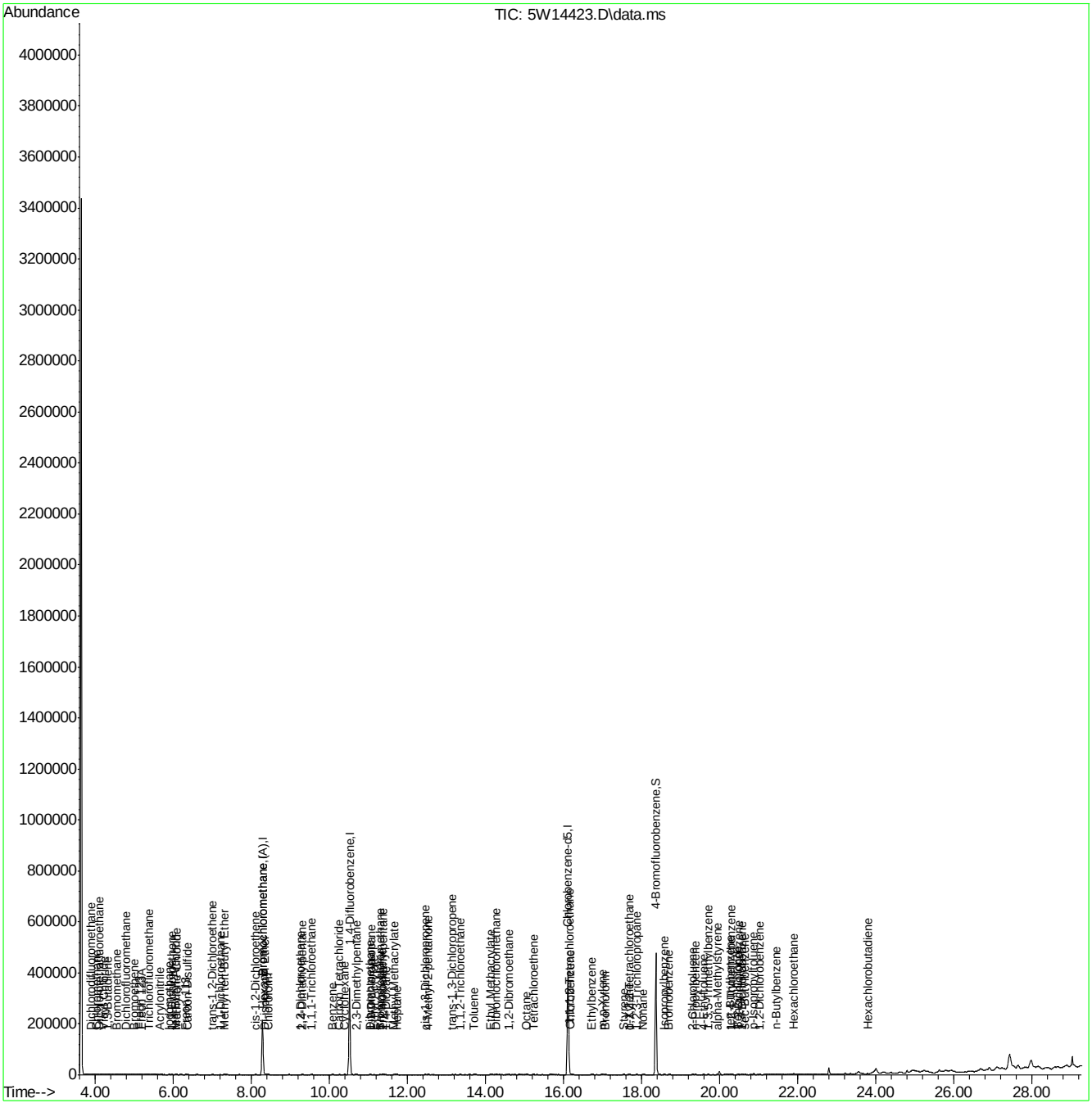
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,4-Dioxane	11.436	88	360	0.04	ppb(v#	64
62) Bromodichloromethane	11.301	83	960	0.03	ppb(v#	84
63) cis-1,3-Dichloropropene	12.451	75	686	0.03	ppb(v#	51
64) 4-Methyl-2-pentanone	12.531	58	336	0.03	ppb(v#	79
65) trans-1,3-Dichloropropene	13.143	75	465	0.03	ppb(v#	50
66) Toluene	13.700	91	1641	0.04	ppb(v#	88
67) 1,1,2-Trichloroethane	13.351	97	542	0.04	ppb(v	87
69) Ethyl Methacrylate	14.122	69	860	0.04	ppb(v#	64
70) Dibromochloromethane	14.262	129	991	0.04	ppb(v#	93
71) Tetrachloroethene	15.217	166	761	0.04	ppb(v#	86
72) 1,2-Dibromoethane	14.587	107	812	0.03	ppb(v#	90
73) Octane	15.045	43	1727	0.06	ppb(v	87
74) 1,1,1,2-Tetrachloroethane	16.147	131	627	0.03	ppb(v#	1
76) Chlorobenzene	16.171	112	1300	0.04	ppb(v	90
77) Ethylbenzene	16.722	91	2130	0.04	ppb(v#	91
78) m,p-Xylene	16.985	91	3378	0.09	ppb(v	100
79) Styrene	17.529	104	1050	0.04	ppb(v	95
80) Nonane	18.037	43	1699	0.06	ppb(v#	85
81) o-Xylene	17.670	91	1747	0.04	ppb(v	98
82) Bromoform	17.070	173	992	0.04	ppb(v#	93
83) 1,1,2,2-Tetrachloroethane	17.670	83	1256	0.04	ppb(v#	93
84) 1,2,3-Trichloropropane	17.866	75	951	0.04	ppb(v	98
85) Isopropylbenzene	18.575	105	2449	0.05	ppb(v	94
86) Bromobenzene	18.698	156	737	0.04	ppb(v	98
87) 2-Chlorotoluene	19.297	126	586	0.04	ppb(v#	57
88) n-Propylbenzene	19.358	120	468	0.03	ppb(v	90
90) 4-Ethyltoluene	19.579	105	2020	0.04	ppb(v#	96
91) 1,3,5-Trimethylbenzene	19.695	105	1904	0.05	ppb(v	95
92) alpha-Methylstyrene	19.933	118	843	0.04	ppb(v	92
93) tert-Butylbenzene	20.252	134	296	0.03	ppb(v	97
94) 1,2,4-Trimethylbenzene	20.276	105	1844	0.04	ppb(v#	83
95) 1,3-Dichlorobenzene	20.466	146	1308	0.05	ppb(v	96
96) Benzyl Chloride	20.460	91	1704	0.05	ppb(v#	85
97) 1,4-Dichlorobenzene	20.570	146	1468	0.05	ppb(v	97
98) sec-Butylbenzene	20.643	134	406	0.04	ppb(v	96
99) p-Isopropyltoluene	20.863	134	512	0.04	ppb(v	99
100) 1,2-Dichlorobenzene	21.022	146	1232	0.05	ppb(v	89
101) n-Butylbenzene	21.438	134	450	0.04	ppb(v	70
102) Hexachloroethane	21.897	201	628	0.04	ppb(v	84
105) Hexachlorobutadiene	23.781	225	830	0.07	ppb(v	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14423.D
Acq On : 5 Nov 2015 12:41 pm
Operator : THOMASH
Sample : ic577-0.04
Misc : MS92683,v5w577,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 17:27:17 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14424.D
Acq On : 5 Nov 2015 1:23 pm
Operator : THOMASH
Sample : ic577-0.1
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 17:27:28 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.279	130	98069	10.00	ppb(v	-0.02
53) 1,4-Difluorobenzene	10.506	114	363699	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.104	82	184843	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.279	130	98069	10.00	ppb(v	-0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.361	95	237543	11.47	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 114.70%			
Target Compounds						Qvalue
6) Dichlorodifluoromethane	3.893	85	2715	0.09	ppb(v	97
8) Chloromethane	4.027	50	825	0.08	ppb(v	94
9) Dichlorotetrafluoroethane	4.107	85	2764	0.09	ppb(v	97
10) Vinyl Chloride	4.211	62	1066	0.09	ppb(v#	99
11) 1,3-Butadiene	4.321	54	847	0.10	ppb(v	90
12) n-Butane	4.364	58	135	0.07	ppb(v#	1
13) Bromomethane	4.553	94	1076	0.09	ppb(v#	90
14) Chloroethane	4.694	64	426	0.08	ppb(v#	70
15) Dichlorofluoromethane	4.774	67	2350	0.09	ppb(v	87
16) Acetonitrile	5.018	41	809	0.08	ppb(v#	1
17) Freon 123	5.122	83	2447	0.09	ppb(v	96
18) Freon 123A	5.177	117	1277	0.09	ppb(v	88
19) Bromoethene	5.000	106	983	0.09	ppb(v#	93
20) Trichlorofluoromethane	5.367	101	2426	0.09	ppb(v#	97
21) Acetone	5.263	58	680	0.12	ppb(v	84
24) Iodomethane	5.887	142	2938	0.10	ppb(v	96
25) Isopropyl Alcohol	5.471	45	2506	0.11	ppb(v#	73
26) 1,1-Dichloroethene	5.960	61	1685	0.09	ppb(v	93
27) Freon 113	6.321	101	2260	0.10	ppb(v	96
28) Methylene Chloride	6.077	84	1068	0.10	ppb(v	91
29) Carbon Disulfide	6.364	76	3106	0.09	ppb(v#	92
31) Acrylonitrile	5.661	53	919	0.10	ppb(v	82
32) 3-Chloropropene	6.187	76	416	0.09	ppb(v#	67
33) trans-1,2-Dichloroethene	6.994	61	1492	0.09	ppb(v	90
34) tert-Butyl Alcohol	6.040	59	2344	0.09	ppb(v#	84
35) Methyl tert-Butyl Ether	7.294	73	3251	0.10	ppb(v#	86
36) Vinyl Acetate	7.380	43	2628	0.09	ppb(v	96
37) 1,1-Dichloroethane	7.208	63	1916	0.09	ppb(v#	96
38) 2-Butanone	7.673	72	450	0.08	ppb(v#	75
39) Hexane	8.310	57	1964	0.10	ppb(v#	68
40) cis-1,2-Dichloroethene	8.102	61	1534	0.09	ppb(v#	87
41) Di-isopropyl Ether	8.328	87	753	0.08	ppb(v	86
44) Chloroform	8.426	83	2326	0.09	ppb(v	99
45) 2,4-Dimethylpentane	9.301	57	2396	0.11	ppb(v	96
46) Tetrahydrofuran	8.934	72	412	0.08	ppb(v	80
47) 1,1,1-Trichloroethane	9.539	97	2334	0.10	ppb(v#	98
48) 1,2-Dichloroethane	9.252	62	1267	0.08	ppb(v#	89
49) Benzene	10.071	78	3406	0.09	ppb(v	97
50) Carbon Tetrachloride	10.249	117	2222	0.09	ppb(v	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14424.D
Acq On : 5 Nov 2015 1:23 pm
Operator : THOMASH
Sample : ic577-0.1
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 17:27:28 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Cyclohexane	10.383	56	1763	0.10	ppb(v#	90
52) 2,3-Dimethylpentane	10.671	71	731	0.09	ppb(v#	76
54) 2,2,4-Trimethylpentane	11.368	57	6089	0.10	ppb(v	98
55) Heptane	11.723	71	1084	0.09	ppb(v	93
56) Trichloroethene	11.350	95	1584	0.09	ppb(v	88
57) 1,2-Dichloropropane	11.056	63	1224	0.08	ppb(v#	92
58) Dibromomethane	11.032	174	1395	0.10	ppb(v	93
59) Ethyl Acrylate	11.118	55	2865	0.10	ppb(v#	74
60) Methyl Methacrylate	11.644	69	1327	0.10	ppb(v	95
61) 1,4-Dioxane	11.423	88	721	0.09	ppb(v#	53
62) Bromodichloromethane	11.301	83	2445	0.09	ppb(v#	96
63) cis-1,3-Dichloropropene	12.451	75	1977	0.09	ppb(v	95
64) 4-Methyl-2-pentanone	12.512	58	895	0.08	ppb(v#	82
65) trans-1,3-Dichloropropene	13.143	75	1507	0.08	ppb(v#	93
66) Toluene	13.705	91	3909	0.09	ppb(v	98
67) 1,1,2-Trichloroethane	13.338	97	1485	0.10	ppb(v	97
68) 2-Hexanone	14.103	58	1189	0.08	ppb(v#	88
69) Ethyl Methacrylate	14.115	69	2280	0.10	ppb(v#	98
70) Dibromochloromethane	14.262	129	2511	0.09	ppb(v#	96
71) Tetrachloroethene	15.223	166	1932	0.09	ppb(v	97
72) 1,2-Dibromoethane	14.580	107	2000	0.08	ppb(v#	95
73) Octane	15.051	43	2362	0.08	ppb(v	94
74) 1,1,1,2-Tetrachloroethane	16.146	131	1643	0.09	ppb(v#	1
76) Chlorobenzene	16.171	112	3251	0.11	ppb(v	96
77) Ethylbenzene	16.721	91	5267	0.10	ppb(v	96
78) m,p-Xylene	16.991	91	8016	0.21	ppb(v	99
79) Styrene	17.529	104	2577	0.10	ppb(v	94
80) Nonane	18.037	43	3338	0.13	ppb(v#	94
81) o-Xylene	17.670	91	4086	0.10	ppb(v	98
82) Bromoform	17.070	173	2537	0.11	ppb(v#	96
83) 1,1,2,2-Tetrachloroethane	17.670	83	3101	0.09	ppb(v#	90
84) 1,2,3-Trichloropropane	17.865	75	2267	0.10	ppb(v	95
85) Isopropylbenzene	18.575	105	5537	0.10	ppb(v	98
86) Bromobenzene	18.697	156	1813	0.11	ppb(v	86
87) 2-Chlorotoluene	19.285	126	1478	0.11	ppb(v	65
88) n-Propylbenzene	19.364	120	1415	0.10	ppb(v	69
90) 4-Ethyltoluene	19.578	105	5159	0.11	ppb(v	96
91) 1,3,5-Trimethylbenzene	19.695	105	4419	0.11	ppb(v	97
92) alpha-Methylstyrene	19.927	118	1969	0.10	ppb(v	96
93) tert-Butylbenzene	20.251	134	823	0.10	ppb(v	85
94) 1,2,4-Trimethylbenzene	20.270	105	4341	0.10	ppb(v	94
95) 1,3-Dichlorobenzene	20.465	146	2864	0.11	ppb(v	98
96) Benzyl Chloride	20.459	91	3602	0.10	ppb(v	98
97) 1,4-Dichlorobenzene	20.563	146	3057	0.11	ppb(v	99
98) sec-Butylbenzene	20.637	134	1095	0.10	ppb(v	99
99) p-Isopropyltoluene	20.869	134	1217	0.10	ppb(v	89
100) 1,2-Dichlorobenzene	21.022	146	2669	0.11	ppb(v	96
101) n-Butylbenzene	21.432	134	1109	0.11	ppb(v	87
102) Hexachloroethane	21.891	201	1658	0.12	ppb(v	95
103) 1,2,4-Trichlorobenzene	23.212	180	1549	0.13	ppb(v	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14424.D
Acq On : 5 Nov 2015 1:23 pm
Operator : THOMASH
Sample : ic577-0.1
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 17:27:28 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
104) Naphthalene	23.341	128	3841	0.15 ppb(v	98
105) Hexachlorobutadiene	23.781	225	1744	0.14 ppb(v	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

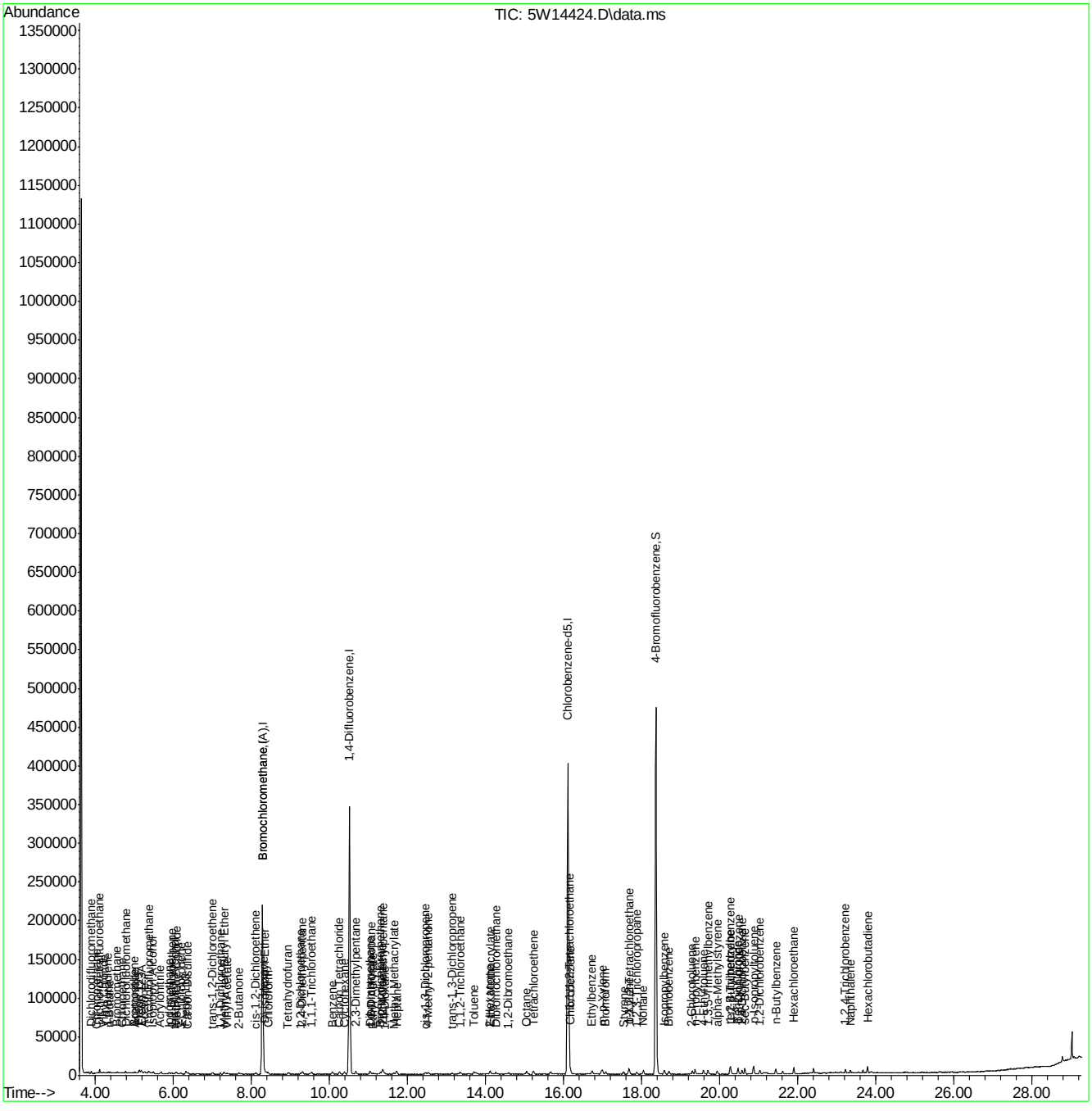
7.7.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14424.D
Acq On : 5 Nov 2015 1:23 pm
Operator : THOMASH
Sample : ic577-0.1
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 17:27:28 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/06/15 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14425.D
Acq On : 5 Nov 2015 2:04 pm
Operator : THOMASH
Sample : ic577-0.2
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 17:28:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.279	130	97572	10.00	ppb(v	-0.02
53) 1,4-Difluorobenzene	10.506	114	361237	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.110	82	183976	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.279	130	97572	10.00	ppb(v	-0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.355	95	238050	11.55	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery	=	115.50%	
Target Compounds						Qvalue
5) Propene	3.831	41	1545	0.18	ppb(v#	73
6) Dichlorodifluoromethane	3.893	85	5133	0.18	ppb(v	98
8) Chloromethane	4.033	50	1713	0.16	ppb(v	99
9) Dichlorotetrafluoroethane	4.107	85	5308	0.17	ppb(v	99
10) Vinyl Chloride	4.211	62	2002	0.17	ppb(v#	95
11) 1,3-Butadiene	4.321	54	1475	0.17	ppb(v	92
12) n-Butane	4.370	58	319	0.17	ppb(v#	38
13) Bromomethane	4.553	94	2079	0.18	ppb(v	99
14) Chloroethane	4.700	64	948	0.17	ppb(v#	90
15) Dichlorofluoromethane	4.774	67	4565	0.17	ppb(v	92
16) Acetonitrile	5.006	41	2346	0.24	ppb(v#	17
17) Freon 123	5.122	83	4964	0.17	ppb(v	97
18) Freon 123A	5.177	117	2535	0.18	ppb(v	87
19) Bromoethene	5.000	106	1908	0.17	ppb(v#	93
20) Trichlorofluoromethane	5.367	101	4663	0.17	ppb(v	92
21) Acetone	5.251	58	1154	0.21	ppb(v	94
22) Pentane	5.685	57	889	0.29	ppb(v#	46
24) Iodomethane	5.887	142	5582	0.19	ppb(v	98
25) Isopropyl Alcohol	5.465	45	4038	0.19	ppb(v#	83
26) 1,1-Dichloroethene	5.960	61	3250	0.17	ppb(v	97
27) Freon 113	6.321	101	4257	0.18	ppb(v	95
28) Methylene Chloride	6.077	84	1950	0.18	ppb(v	92
29) Carbon Disulfide	6.358	76	5913	0.18	ppb(v	97
31) Acrylonitrile	5.654	53	1423	0.16	ppb(v	92
32) 3-Chloropropene	6.181	76	844	0.17	ppb(v	94
33) trans-1,2-Dichloroethene	7.000	61	2943	0.18	ppb(v	90
34) tert-Butyl Alcohol	6.034	59	4495	0.17	ppb(v#	86
35) Methyl tert-Butyl Ether	7.294	73	5830	0.19	ppb(v	95
36) Vinyl Acetate	7.374	43	4734	0.16	ppb(v#	93
37) 1,1-Dichloroethane	7.208	63	3709	0.17	ppb(v#	97
38) 2-Butanone	7.673	72	916	0.17	ppb(v#	66
39) Hexane	8.310	57	3538	0.19	ppb(v	76
40) cis-1,2-Dichloroethene	8.102	61	2852	0.17	ppb(v	95
41) Di-isopropyl Ether	8.322	87	1574	0.18	ppb(v	79
42) Ethyl Acetate	8.377	61	553	0.15	ppb(v#	68
43) Methyl Acrylate	8.365	55	3858	0.17	ppb(v	98
44) Chloroform	8.420	83	4287	0.17	ppb(v	96
45) 2,4-Dimethylpentane	9.301	57	4099	0.19	ppb(v	92
46) Tetrahydrofuran	8.940	72	918	0.18	ppb(v	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14425.D
Acq On : 5 Nov 2015 2:04 pm
Operator : THOMASH
Sample : ic577-0.2
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 17:28:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,1-Trichloroethane	9.533	97	4308	0.18	ppb(v	91
48) 1,2-Dichloroethane	9.252	62	2549	0.16	ppb(v#	93
49) Benzene	10.078	78	6331	0.18	ppb(v	97
50) Carbon Tetrachloride	10.249	117	4330	0.18	ppb(v	97
51) Cyclohexane	10.383	56	3064	0.17	ppb(v#	87
52) 2,3-Dimethylpentane	10.671	71	1406	0.18	ppb(v#	80
54) 2,2,4-Trimethylpentane	11.375	57	10622	0.17	ppb(v	97
55) Heptane	11.717	71	2066	0.17	ppb(v	94
56) Trichloroethene	11.350	95	3022	0.18	ppb(v	95
57) 1,2-Dichloropropane	11.056	63	2377	0.17	ppb(v	98
58) Dibromomethane	11.032	174	2709	0.19	ppb(v	91
59) Ethyl Acrylate	11.111	55	4838	0.18	ppb(v#	87
60) Methyl Methacrylate	11.644	69	2403	0.19	ppb(v	91
61) 1,4-Dioxane	11.417	88	1488	0.18	ppb(v#	40
62) Bromodichloromethane	11.307	83	4964	0.18	ppb(v	95
63) cis-1,3-Dichloropropene	12.445	75	3770	0.17	ppb(v	99
64) 4-Methyl-2-pentanone	12.506	58	1771	0.16	ppb(v	96
65) trans-1,3-Dichloropropene	13.130	75	2979	0.16	ppb(v	96
66) Toluene	13.699	91	7367	0.17	ppb(v	95
67) 1,1,2-Trichloroethane	13.338	97	2749	0.18	ppb(v	99
68) 2-Hexanone	14.091	58	2369	0.16	ppb(v#	93
69) Ethyl Methacrylate	14.109	69	3858	0.18	ppb(v#	95
70) Dibromochloromethane	14.262	129	4898	0.18	ppb(v#	99
71) Tetrachloroethene	15.223	166	3640	0.18	ppb(v	95
72) 1,2-Dibromoethane	14.580	107	4266	0.18	ppb(v#	93
73) Octane	15.045	43	5306	0.18	ppb(v	99
74) 1,1,1,2-Tetrachloroethane	16.146	131	3386	0.18	ppb(v#	1
76) Chlorobenzene	16.165	112	6076	0.20	ppb(v	98
77) Ethylbenzene	16.721	91	9737	0.19	ppb(v	98
78) m,p-Xylene	16.984	91	14831	0.39	ppb(v	97
79) Styrene	17.517	104	5073	0.19	ppb(v	96
80) Nonane	18.043	43	5082	0.19	ppb(v#	93
81) o-Xylene	17.670	91	7375	0.19	ppb(v	97
82) Bromoform	17.070	173	4900	0.21	ppb(v	97
83) 1,1,2,2-Tetrachloroethane	17.670	83	6170	0.19	ppb(v#	99
84) 1,2,3-Trichloropropane	17.865	75	4511	0.20	ppb(v	98
85) Isopropylbenzene	18.575	105	10546	0.20	ppb(v	98
86) Bromobenzene	18.691	156	3486	0.21	ppb(v	91
87) 2-Chlorotoluene	19.291	126	2738	0.21	ppb(v	90
88) n-Propylbenzene	19.358	120	2567	0.19	ppb(v	96
90) 4-Ethyltoluene	19.578	105	9715	0.20	ppb(v	98
91) 1,3,5-Trimethylbenzene	19.695	105	8391	0.20	ppb(v	99
92) alpha-Methylstyrene	19.933	118	3917	0.20	ppb(v	98
93) tert-Butylbenzene	20.251	134	1747	0.20	ppb(v	95
94) 1,2,4-Trimethylbenzene	20.270	105	8262	0.20	ppb(v	98
95) 1,3-Dichlorobenzene	20.465	146	5568	0.21	ppb(v	99
96) Benzyl Chloride	20.453	91	7118	0.20	ppb(v	99
97) 1,4-Dichlorobenzene	20.563	146	5743	0.22	ppb(v	97
98) sec-Butylbenzene	20.637	134	2107	0.20	ppb(v	96
99) p-Isopropyltoluene	20.863	134	2326	0.20	ppb(v	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14425.D
Acq On : 5 Nov 2015 2:04 pm
Operator : THOMASH
Sample : ic577-0.2
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 17:28:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
100) 1,2-Dichlorobenzene	21.022	146	5142	0.21 ppb(v	98
101) n-Butylbenzene	21.432	134	2089	0.20 ppb(v	94
102) Hexachloroethane	21.897	201	3213	0.23 ppb(v	86
103) 1,2,4-Trichlorobenzene	23.212	180	2869	0.23 ppb(v	93
104) Naphthalene	23.341	128	6582	0.25 ppb(v	97
105) Hexachlorobutadiene	23.781	225	3143	0.25 ppb(v	97
107) TVHC as equiv Pentane	5.679	TIC	13327m	0.19 ppb(v	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

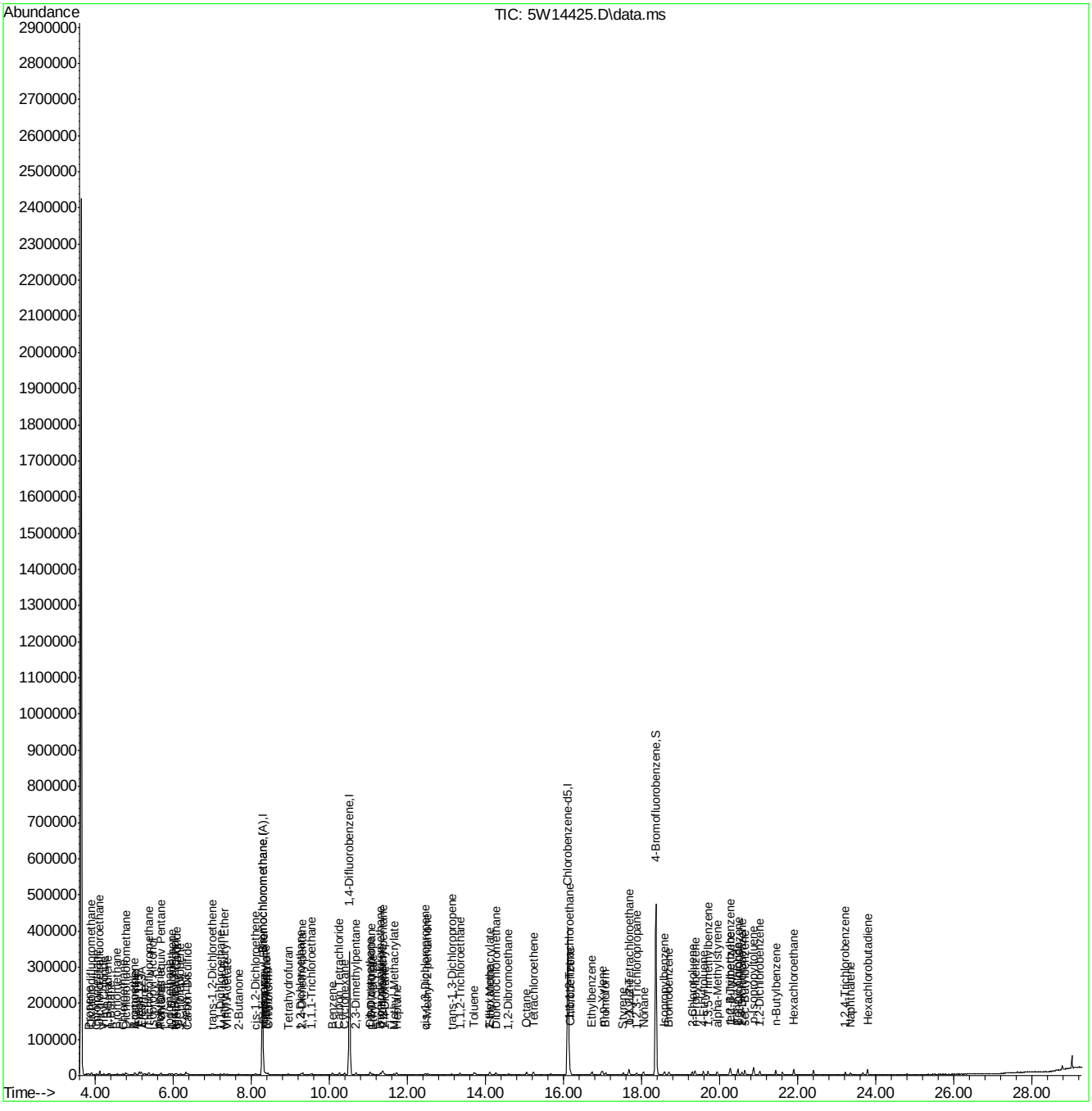
7.7.3

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14425.D
Acq On : 5 Nov 2015 2:04 pm
Operator : THOMASH
Sample : ic577-0.2
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 17:28:34 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Manual Integration Approval Summary

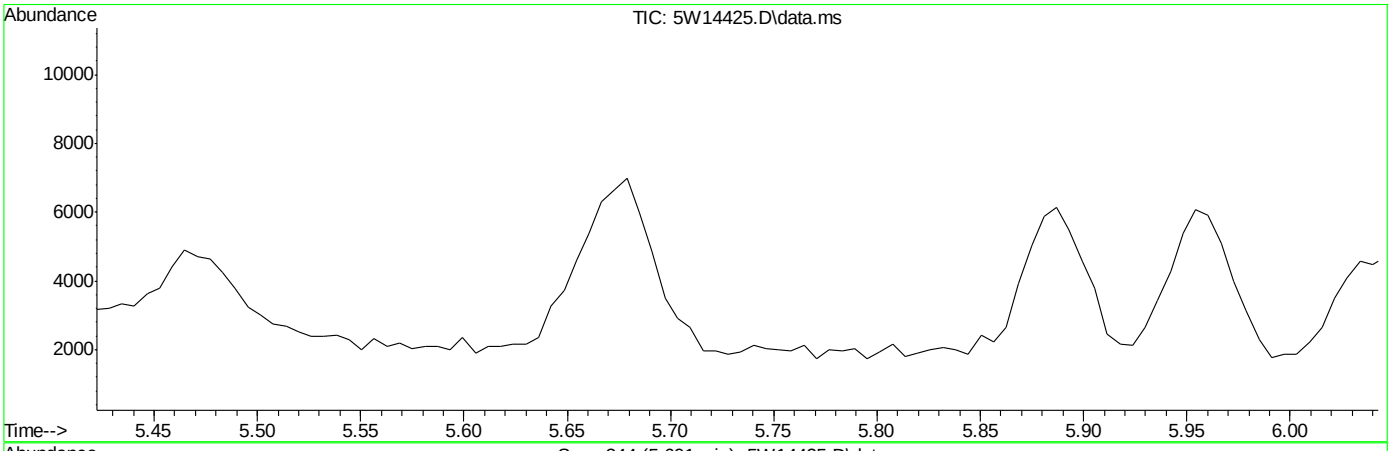
Sample Number:	V5W577-IC577	**Method:**	TO-15
Lab FileID:	5W14425.D	**Analyst approved:**	11/06/15 08:48 Dana Tryon
Injection Time:	11/05/15 14:04	**Supervisor approved:**	11/06/15 15:02 Jessica Reitan-Chu

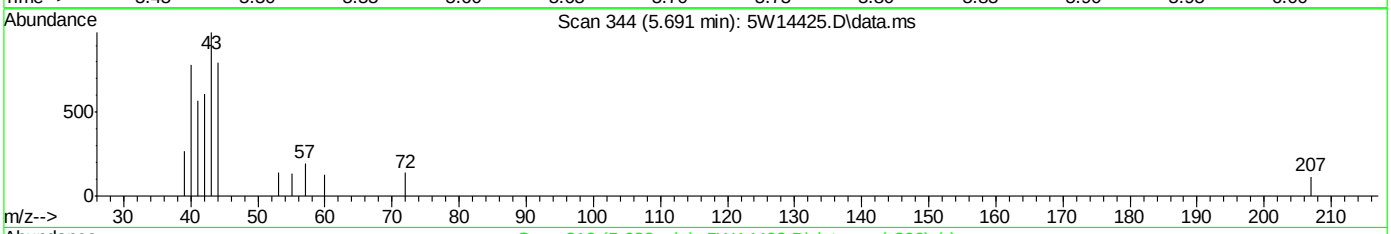
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			5.68	Missed peak

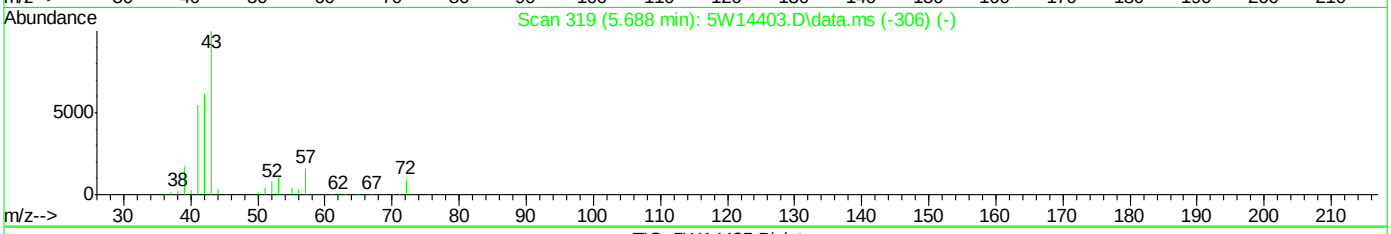
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14425.D
Acq On : 5 Nov 2015 2:04 pm
Operator : THOMASH
Sample : ic577-0.2
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 14:35:07 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration







TIC: 5W14425.D\data.ms

(107) TVHC as equiv Pentane

5.688min (-5.688) 0.00ppb(v)

response 0

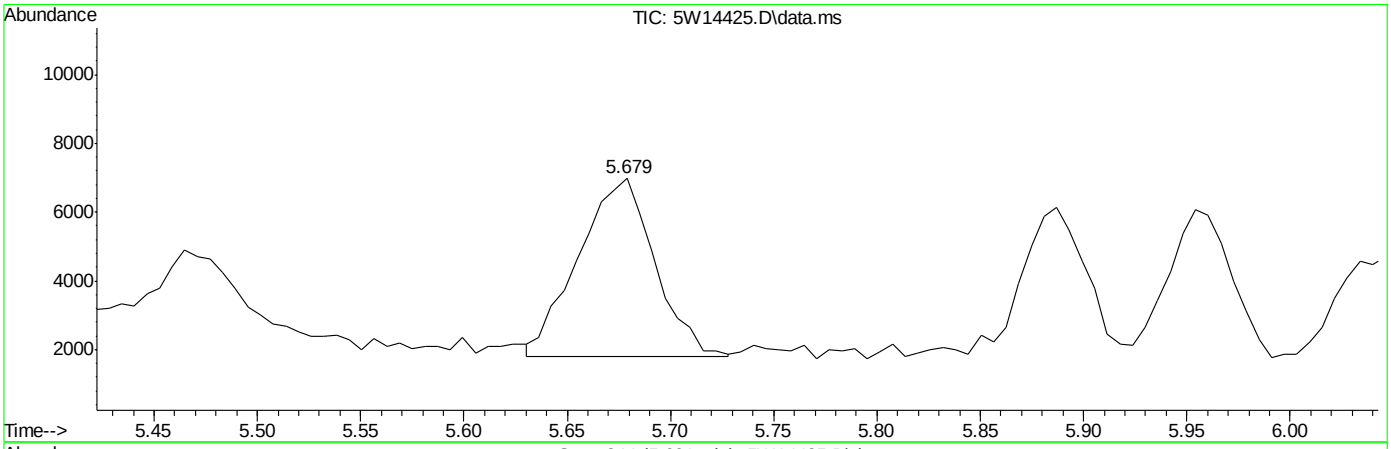
Signal	Exp%	Act%
TIC	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

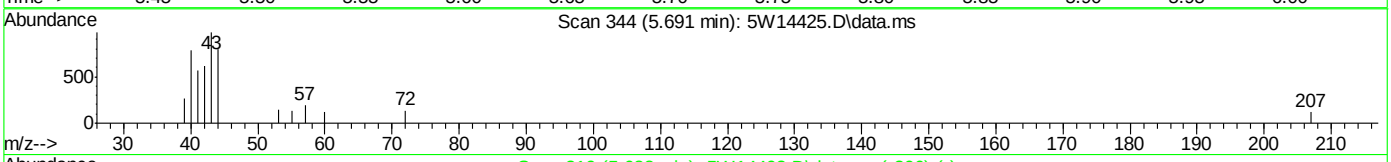
ACCUTEST LABORATORIES JC11091

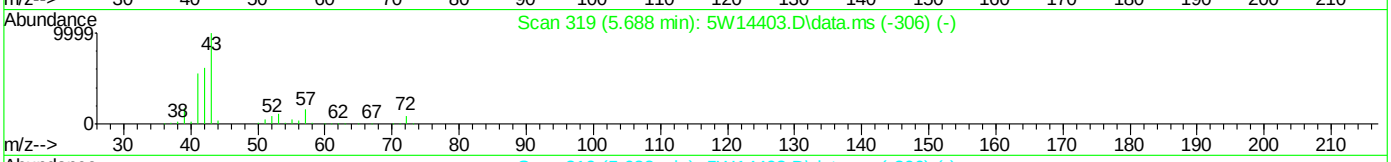
Quantitation Report (Qedit)

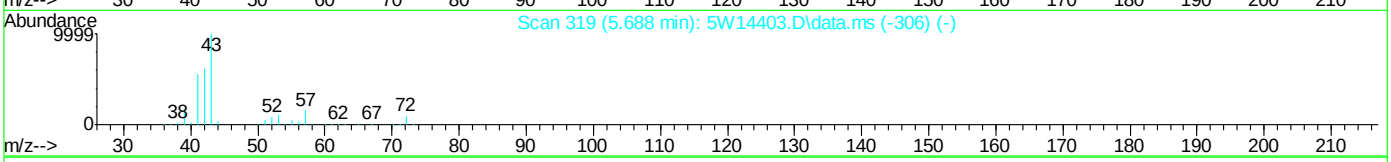
Data Path : C:\msdchem\1\DATA\
Data File : 5W14425.D
Acq On : 5 Nov 2015 2:04 pm
Operator : THOMASH
Sample : ic577-0.2
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 14:35:07 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration









TIC: 5W14425.D\data.ms

(107) TVHC as equiv Pentane

5.679min (-0.009) 0.19ppb(v) m

response 13327

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/06/15 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14426.D
Acq On : 5 Nov 2015 2:46 pm
Operator : THOMASH
Sample : ic577-0.5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 15:35:23 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.279	130	95107	10.00	ppb(v	-0.02
53) 1,4-Difluorobenzene	10.506	114	352358	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.110	82	179447	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.279	130	95107	10.00	ppb(v	-0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.361	95	231174	11.50	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery	=	115.00%	
Target Compounds						Qvalue
5) Propene	3.832	41	3419	0.42	ppb(v#	84
6) Dichlorodifluoromethane	3.887	85	11623	0.41	ppb(v	99
8) Chloromethane	4.027	50	3960	0.39	ppb(v	98
9) Dichlorotetrafluoroethane	4.101	85	12669	0.41	ppb(v	97
10) Vinyl Chloride	4.211	62	4599	0.40	ppb(v#	95
11) 1,3-Butadiene	4.321	54	3441	0.41	ppb(v	98
12) n-Butane	4.364	58	764	0.42	ppb(v#	51
13) Bromomethane	4.554	94	4724	0.42	ppb(v	99
14) Chloroethane	4.694	64	2248	0.42	ppb(v	94
15) Dichlorofluoromethane	4.768	67	10284	0.40	ppb(v	97
16) Acetonitrile	5.006	41	4909	0.52	ppb(v#	69
17) Freon 123	5.122	83	11486	0.41	ppb(v	99
18) Freon 123A	5.171	117	5778	0.42	ppb(v	99
19) Bromoethene	5.000	106	4571	0.43	ppb(v	95
20) Trichlorofluoromethane	5.361	101	10840	0.41	ppb(v	98
21) Acetone	5.245	58	2354	0.43	ppb(v	82
22) Pentane	5.679	57	1506	0.50	ppb(v	75
24) Iodomethane	5.887	142	13037	0.45	ppb(v	92
25) Isopropyl Alcohol	5.459	45	8974	0.42	ppb(v#	89
26) 1,1-Dichloroethene	5.954	61	7586	0.41	ppb(v	96
27) Freon 113	6.322	101	9831	0.43	ppb(v	95
28) Methylene Chloride	6.071	84	4517	0.44	ppb(v	92
29) Carbon Disulfide	6.358	76	13692	0.42	ppb(v	99
30) Ethanol	4.810	45	2675	0.46	ppb(v#	93
31) Acrylonitrile	5.649	53	3522	0.41	ppb(v	94
32) 3-Chloropropene	6.181	76	2096	0.44	ppb(v	88
33) trans-1,2-Dichloroethene	6.995	61	6760	0.41	ppb(v	97
34) tert-Butyl Alcohol	6.022	59	10434	0.41	ppb(v	97
35) Methyl tert-Butyl Ether	7.282	73	12854	0.42	ppb(v	99
36) Vinyl Acetate	7.374	43	11577	0.41	ppb(v	95
37) 1,1-Dichloroethane	7.202	63	8611	0.41	ppb(v	98
38) 2-Butanone	7.655	72	2097	0.40	ppb(v#	94
39) Hexane	8.310	57	7707	0.42	ppb(v	86
40) cis-1,2-Dichloroethene	8.102	61	6262	0.39	ppb(v	90
41) Di-isopropyl Ether	8.316	87	3669	0.42	ppb(v	88
42) Ethyl Acetate	8.365	61	1482	0.41	ppb(v	80
43) Methyl Acrylate	8.353	55	9097	0.41	ppb(v	93
44) Chloroform	8.420	83	10227	0.42	ppb(v	94
45) 2,4-Dimethylpentane	9.301	57	8669	0.41	ppb(v	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14426.D
Acq On : 5 Nov 2015 2:46 pm
Operator : THOMASH
Sample : ic577-0.5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 15:35:23 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrahydrofuran	8.915	72	2244	0.44	ppb(v	94
47) 1,1,1-Trichloroethane	9.533	97	9767	0.41	ppb(v	98
48) 1,2-Dichloroethane	9.246	62	6172	0.41	ppb(v	95
49) Benzene	10.072	78	15056	0.43	ppb(v	99
50) Carbon Tetrachloride	10.249	117	10085	0.42	ppb(v	98
51) Cyclohexane	10.378	56	7066	0.41	ppb(v	99
52) 2,3-Dimethylpentane	10.671	71	3220	0.43	ppb(v	86
54) 2,2,4-Trimethylpentane	11.369	57	24055	0.40	ppb(v	99
55) Heptane	11.717	71	4859	0.42	ppb(v	96
56) Trichloroethene	11.350	95	7101	0.43	ppb(v	98
57) 1,2-Dichloropropane	11.057	63	5670	0.41	ppb(v	98
58) Dibromomethane	11.032	174	6313	0.45	ppb(v	92
59) Ethyl Acrylate	11.099	55	11086	0.41	ppb(v	96
60) Methyl Methacrylate	11.632	69	5586	0.45	ppb(v	93
61) 1,4-Dioxane	11.399	88	3677	0.47	ppb(v#	56
62) Bromodichloromethane	11.301	83	11310	0.41	ppb(v	99
63) cis-1,3-Dichloropropene	12.445	75	9064	0.41	ppb(v	98
64) 4-Methyl-2-pentanone	12.500	58	4237	0.39	ppb(v	98
65) trans-1,3-Dichloropropene	13.131	75	7425	0.41	ppb(v	96
66) Toluene	13.700	91	17743	0.43	ppb(v	99
67) 1,1,2-Trichloroethane	13.339	97	6364	0.43	ppb(v	98
68) 2-Hexanone	14.085	58	6270	0.43	ppb(v	99
69) Ethyl Methacrylate	14.109	69	9163	0.43	ppb(v	97
70) Dibromochloromethane	14.256	129	11565	0.43	ppb(v	99
71) Tetrachloroethene	15.223	166	8767	0.44	ppb(v	97
72) 1,2-Dibromoethane	14.574	107	9800	0.42	ppb(v	99
73) Octane	15.052	43	11380	0.40	ppb(v	96
74) 1,1,1,2-Tetrachloroethane	16.153	131	8084	0.45	ppb(v#	58
76) Chlorobenzene	16.171	112	14300	0.48	ppb(v	97
77) Ethylbenzene	16.716	91	23394	0.48	ppb(v	98
78) m,p-Xylene	16.966	91	35340	0.95	ppb(v	98
79) Styrene	17.517	104	12492	0.49	ppb(v	99
80) Nonane	18.043	43	10984	0.43	ppb(v	94
81) o-Xylene	17.664	91	17720	0.47	ppb(v	99
82) Bromoform	17.064	173	11668	0.52	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.670	83	14496	0.45	ppb(v	97
84) 1,2,3-Trichloropropane	17.860	75	10545	0.47	ppb(v	98
85) Isopropylbenzene	18.575	105	24629	0.47	ppb(v	98
86) Bromobenzene	18.692	156	8283	0.51	ppb(v	94
87) 2-Chlorotoluene	19.291	126	6295	0.50	ppb(v	88
88) n-Propylbenzene	19.358	120	6442	0.49	ppb(v	95
90) 4-Ethyltoluene	19.579	105	22965	0.49	ppb(v	99
91) 1,3,5-Trimethylbenzene	19.695	105	19344	0.48	ppb(v	99
92) alpha-Methylstyrene	19.927	118	9419	0.49	ppb(v	98
93) tert-Butylbenzene	20.258	134	4137	0.49	ppb(v	96
94) 1,2,4-Trimethylbenzene	20.270	105	19561	0.48	ppb(v	96
95) 1,3-Dichlorobenzene	20.466	146	13491	0.51	ppb(v	97
96) Benzyl Chloride	20.453	91	17228	0.50	ppb(v	98
97) 1,4-Dichlorobenzene	20.564	146	13641	0.52	ppb(v	97
98) sec-Butylbenzene	20.637	134	5070	0.49	ppb(v	94

ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14426.D
Acq On : 5 Nov 2015 2:46 pm
Operator : THOMASH
Sample : ic577-0.5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 15:35:23 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	p-Isopropyltoluene	20.863	134	5679	0.49	ppb(v	96
100)	1,2-Dichlorobenzene	21.022	146	12138	0.50	ppb(v	97
101)	n-Butylbenzene	21.432	134	5011	0.50	ppb(v	78
102)	Hexachloroethane	21.897	201	7428	0.54	ppb(v	90
103)	1,2,4-Trichlorobenzene	23.206	180	6972	0.59	ppb(v	97
104)	Naphthalene	23.335	128	15443	0.61	ppb(v	99
105)	Hexachlorobutadiene	23.781	225	7647	0.63	ppb(v	97
107)	TVHC as equiv Pentane	5.673	TIC	27865m	0.40	ppb(v	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

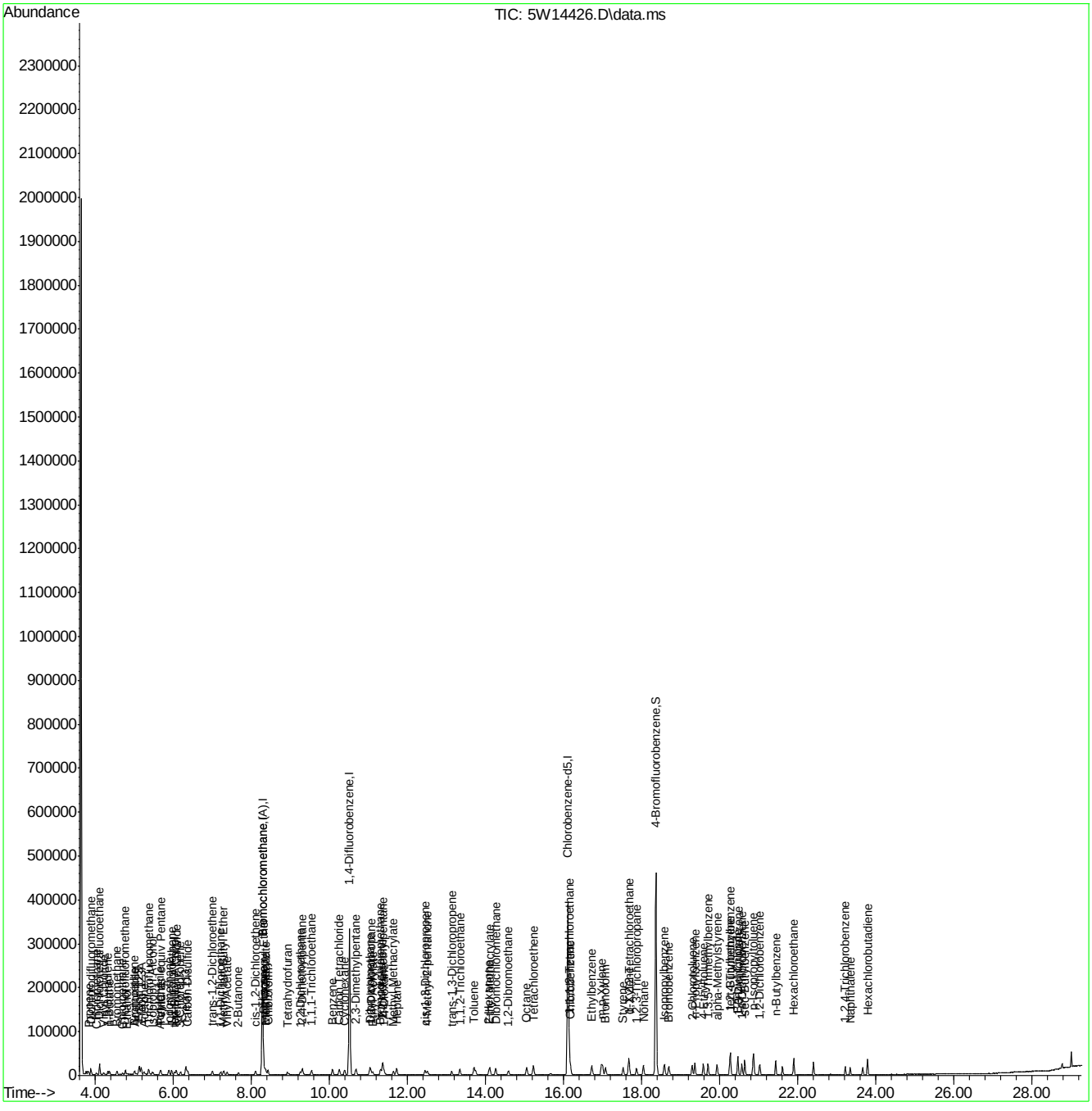
7.7.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14426.D
Acq On : 5 Nov 2015 2:46 pm
Operator : THOMASH
Sample : ic577-0.5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 15:35:23 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Manual Integration Approval Summary

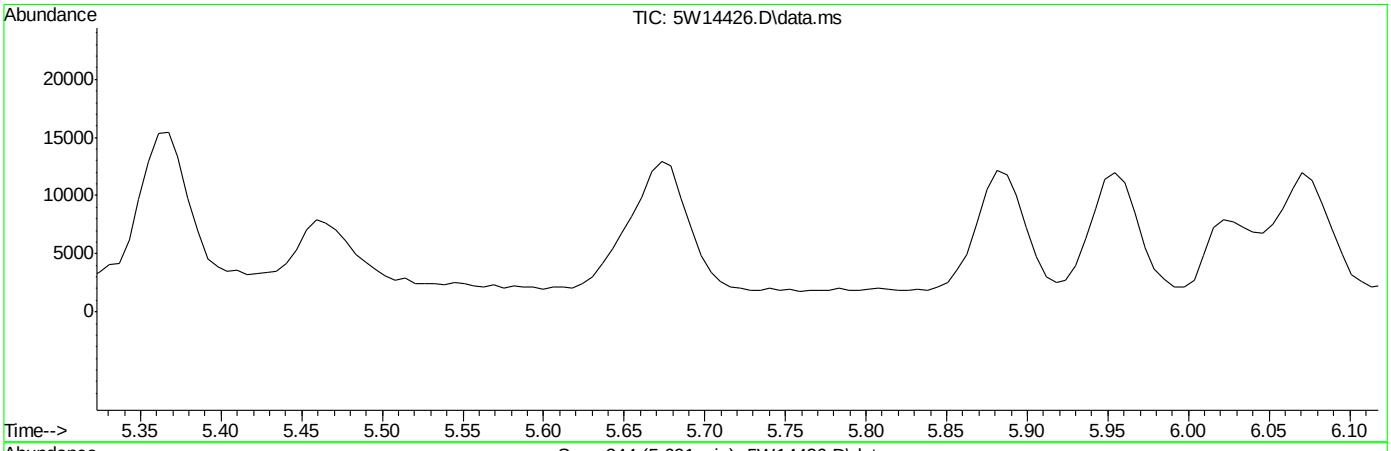
Sample Number:	V5W577-IC577	**Method:**	TO-15
Lab FileID:	5W14426.D	**Analyst approved:**	11/06/15 08:48 Dana Tryon
Injection Time:	11/05/15 14:46	**Supervisor approved:**	11/06/15 15:02 Jessica Reitan-Chu

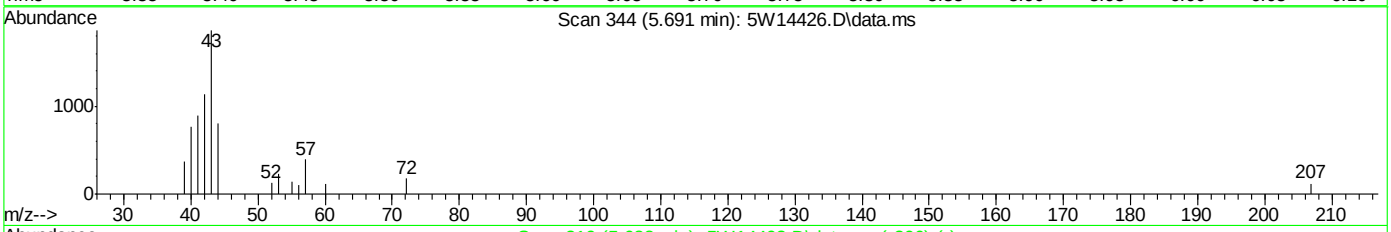
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			5.67	Missed peak

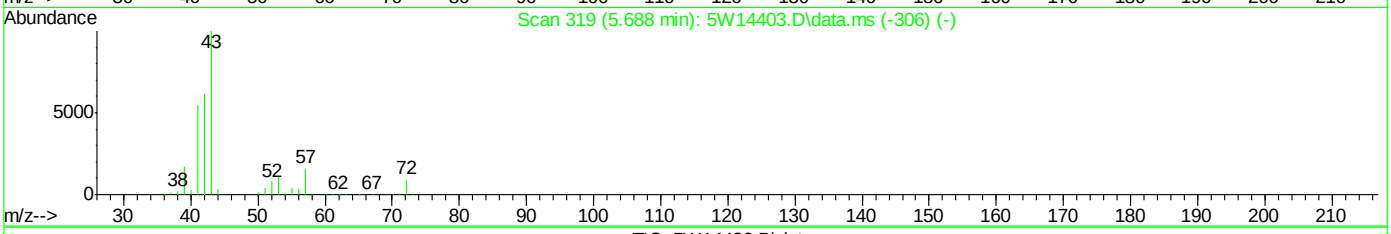
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14426.D
Acq On : 5 Nov 2015 2:46 pm
Operator : THOMASH
Sample : ic577-0.5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 15:33:04 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration







TIC: 5W14426.D\data.ms

(107) TVHC as equiv Pentane

5.688min (-5.688) 0.00ppb(v)

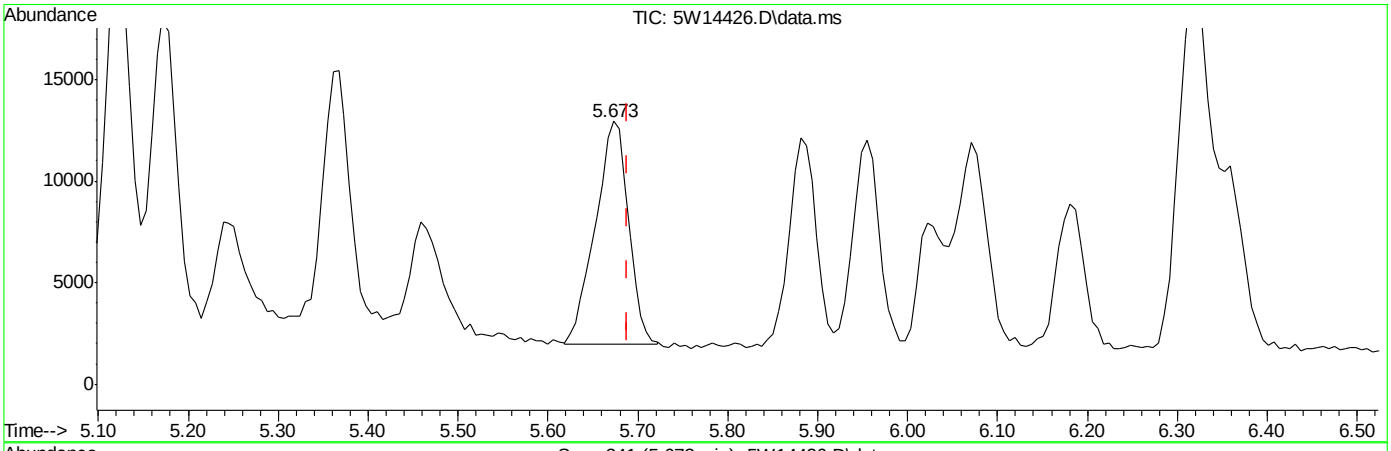
response 0

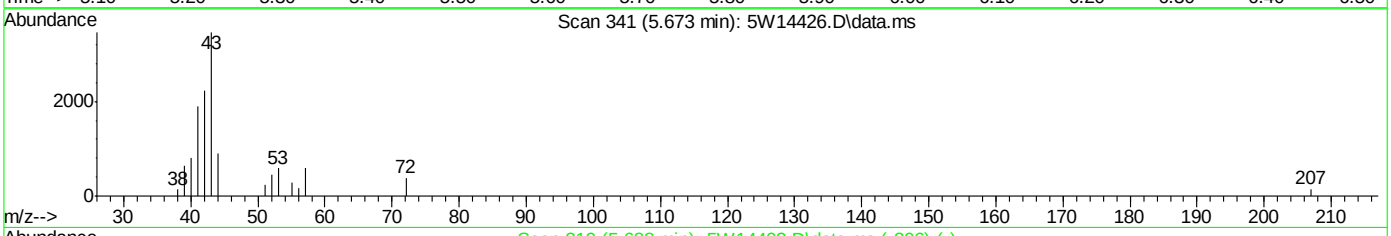
Signal	Exp%	Act%
TIC	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

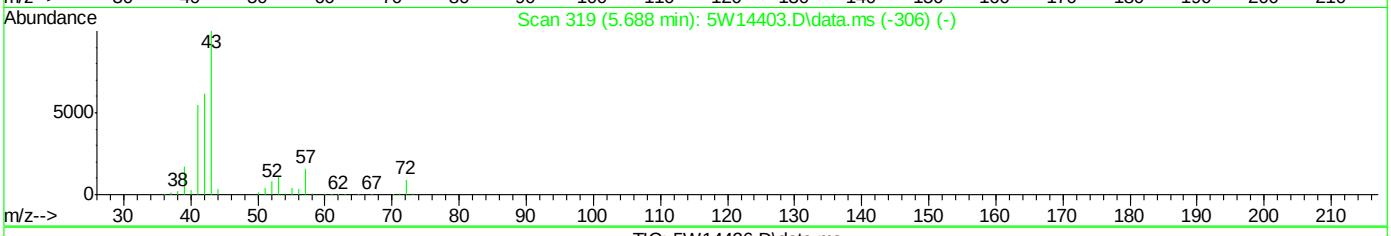
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14426.D
Acq On : 5 Nov 2015 2:46 pm
Operator : THOMASH
Sample : ic577-0.5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 15:33:04 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration







TIC: 5W14426.D\data.ms

(107) TVHC as equiv Pentane

5.673min (-0.015) 0.40ppb(v) m

response 27865

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14427.D
Acq On : 5 Nov 2015 3:29 pm
Operator : THOMASH
Sample : ic577-5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 15:59:45 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.285	130	93699	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	10.512	114	347219	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.110	82	179765	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.285	130	93699	10.00	ppb(v	0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.361	95	227124	11.28	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.80%			
Target Compounds						Qvalue
5) Propene	3.826	41	33565	4.15	ppb(v	99
6) Dichlorodifluoromethane	3.887	85	126804	4.55	ppb(v	99
8) Chloromethane	4.027	50	42251	4.23	ppb(v	97
9) Dichlorotetrafluoroethane	4.107	85	134210	4.44	ppb(v	95
10) Vinyl Chloride	4.211	62	50368	4.45	ppb(v	100
11) 1,3-Butadiene	4.321	54	35048	4.20	ppb(v	97
12) n-Butane	4.364	58	7833	4.34	ppb(v	78
13) Bromomethane	4.554	94	50218	4.58	ppb(v	97
14) Chloroethane	4.694	64	23859	4.47	ppb(v	98
15) Dichlorofluoromethane	4.774	67	110332	4.33	ppb(v	99
16) Acetonitrile	5.000	41	36372	3.91	ppb(v	98
17) Freon 123	5.122	83	124264	4.52	ppb(v	99
18) Freon 123A	5.178	117	63970	4.77	ppb(v	85
19) Bromoethene	5.000	106	49761	4.74	ppb(v	98
20) Trichlorofluoromethane	5.367	101	117970	4.51	ppb(v	99
21) Acetone	5.226	58	21927	4.09	ppb(v	95
22) Pentane	5.679	57	12652	4.28	ppb(v	89
24) Iodomethane	5.887	142	142250	5.02	ppb(v	96
25) Isopropyl Alcohol	5.441	45	88421	4.24	ppb(v	99
26) 1,1-Dichloroethene	5.954	61	81158	4.48	ppb(v	97
27) Freon 113	6.315	101	108810	4.79	ppb(v	98
28) Methylene Chloride	6.077	84	47193	4.62	ppb(v	93
29) Carbon Disulfide	6.358	76	154432	4.77	ppb(v	100
30) Ethanol	4.804	45	19498	3.42	ppb(v	97
31) Acrylonitrile	5.649	53	37798	4.43	ppb(v	99
32) 3-Chloropropene	6.181	76	23737	5.11	ppb(v	89
33) trans-1,2-Dichloroethene	6.994	61	74218	4.60	ppb(v	95
34) tert-Butyl Alcohol	5.997	59	115616	4.63	ppb(v	97
35) Methyl tert-Butyl Ether	7.264	73	136999	4.60	ppb(v	97
36) Vinyl Acetate	7.368	43	127327	4.56	ppb(v	97
37) 1,1-Dichloroethane	7.202	63	93821	4.55	ppb(v	98
38) 2-Butanone	7.631	72	25259	4.90	ppb(v	84
39) Hexane	8.310	57	76297	4.23	ppb(v	95
40) cis-1,2-Dichloroethene	8.102	61	72970	4.64	ppb(v	94
41) Di-isopropyl Ether	8.310	87	42837	5.02	ppb(v	80
42) Ethyl Acetate	8.353	61	17438	4.87	ppb(v	88
43) Methyl Acrylate	8.340	55	99855	4.57	ppb(v	98
44) Chloroform	8.426	83	113355	4.71	ppb(v	97
45) 2,4-Dimethylpentane	9.301	57	93717	4.50	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14427.D
Acq On : 5 Nov 2015 3:29 pm
Operator : THOMASH
Sample : ic577-5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 15:59:45 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrahydrofuran	8.885	72	25455	5.08	ppb(v	94
47) 1,1,1-Trichloroethane	9.539	97	109412	4.70	ppb(v	98
48) 1,2-Dichloroethane	9.252	62	68647	4.59	ppb(v	99
49) Benzene	10.078	78	166043	4.84	ppb(v	98
50) Carbon Tetrachloride	10.249	117	114761	4.87	ppb(v	99
51) Cyclohexane	10.384	56	78082	4.55	ppb(v	98
52) 2,3-Dimethylpentane	10.671	71	34853	4.68	ppb(v	91
54) 2,2,4-Trimethylpentane	11.369	57	265366	4.44	ppb(v	98
55) Heptane	11.717	71	53071	4.65	ppb(v	97
56) Trichloroethene	11.350	95	78018	4.74	ppb(v	99
57) 1,2-Dichloropropane	11.051	63	64070	4.65	ppb(v	99
58) Dibromomethane	11.032	174	72130	5.24	ppb(v	92
59) Ethyl Acrylate	11.087	55	122345	4.63	ppb(v	99
60) Methyl Methacrylate	11.626	69	57656	4.67	ppb(v	90
61) 1,4-Dioxane	11.369	88	38825	5.00	ppb(v	100
62) Bromodichloromethane	11.301	83	128655	4.73	ppb(v	100
63) cis-1,3-Dichloropropene	12.439	75	104534	4.77	ppb(v	99
64) 4-Methyl-2-pentanone	12.488	58	51038	4.82	ppb(v	93
65) trans-1,3-Dichloropropene	13.124	75	88770	4.99	ppb(v	97
66) Toluene	13.693	91	200450	4.93	ppb(v	99
67) 1,1,2-Trichloroethane	13.339	97	71791	4.90	ppb(v	99
68) 2-Hexanone	14.067	58	72697	5.04	ppb(v	94
69) Ethyl Methacrylate	14.097	69	102484	4.87	ppb(v	99
70) Dibromochloromethane	14.256	129	134893	5.09	ppb(v	99
71) Tetrachloroethene	15.223	166	100481	5.10	ppb(v	98
72) 1,2-Dibromoethane	14.574	107	115445	5.04	ppb(v	99
73) Octane	15.045	43	122736	4.34	ppb(v	97
74) 1,1,1,2-Tetrachloroethane	16.147	131	87738	4.96	ppb(v	95
76) Chlorobenzene	16.171	112	158692	5.33	ppb(v	98
77) Ethylbenzene	16.716	91	257356	5.24	ppb(v	99
78) m,p-Xylene	16.966	91	390620	10.45	ppb(v	98
79) Styrene	17.511	104	144810	5.62	ppb(v	98
80) Nonane	18.037	43	120300	4.69	ppb(v	97
81) o-Xylene	17.664	91	197310	5.18	ppb(v	99
82) Bromoform	17.064	173	132899	5.86	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.664	83	160603	5.01	ppb(v	99
84) 1,2,3-Trichloropropane	17.860	75	115125	5.11	ppb(v	99
85) Isopropylbenzene	18.575	105	276991	5.31	ppb(v	99
86) Bromobenzene	18.692	156	92469	5.67	ppb(v	90
87) 2-Chlorotoluene	19.285	126	69301	5.47	ppb(v	94
88) n-Propylbenzene	19.352	120	73112	5.53	ppb(v	92
90) 4-Ethyltoluene	19.572	105	256979	5.42	ppb(v	99
91) 1,3,5-Trimethylbenzene	19.695	105	219521	5.43	ppb(v	99
92) alpha-Methylstyrene	19.921	118	111588	5.78	ppb(v	99
93) tert-Butylbenzene	20.258	134	46333	5.53	ppb(v	96
94) 1,2,4-Trimethylbenzene	20.270	105	222190	5.39	ppb(v	98
95) 1,3-Dichlorobenzene	20.460	146	147770	5.63	ppb(v	98
96) Benzyl Chloride	20.447	91	198652	5.78	ppb(v	99
97) 1,4-Dichlorobenzene	20.557	146	148286	5.69	ppb(v	98
98) sec-Butylbenzene	20.637	134	58374	5.61	ppb(v	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14427.D
Acq On : 5 Nov 2015 3:29 pm
Operator : THOMASH
Sample : ic577-5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 15:59:45 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration

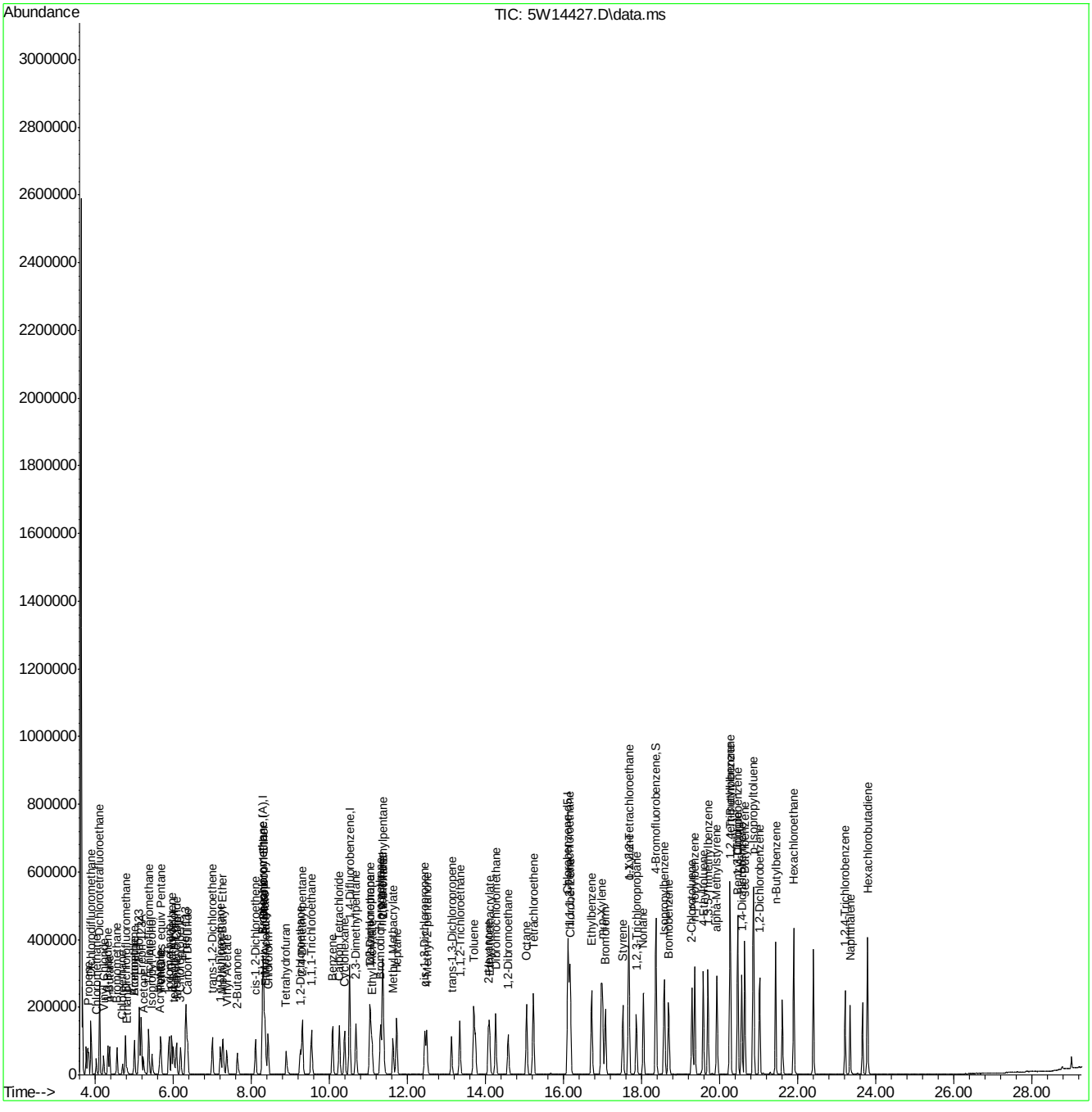
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	p-Isopropyltoluene	20.863	134	65518	5.69	ppb(v	95
100)	1,2-Dichlorobenzene	21.016	146	138783	5.67	ppb(v	98
101)	n-Butylbenzene	21.432	134	59526	5.89	ppb(v	81
102)	Hexachloroethane	21.891	201	85812	6.27	ppb(v	98
103)	1,2,4-Trichlorobenzene	23.206	180	81850	6.86	ppb(v	99
104)	Naphthalene	23.335	128	177162	6.93	ppb(v	100
105)	Hexachlorobutadiene	23.781	225	83913	6.85	ppb(v	99
107)	TVHC as equiv Pentane	5.673	TIC	298180	4.33	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14427.D
Acq On : 5 Nov 2015 3:29 pm
Operator : THOMASH
Sample : ic577-5
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 15:59:45 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 09:53:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14428.D
Acq On : 5 Nov 2015 4:11 pm
Operator : THOMASH
Sample : icc577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 16:43:22 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 16:03:11 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.285	130	97576	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	10.512	114	356921	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.110	82	187272	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.285	130	97576	10.00	ppb(v	0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.361	95	234335	9.74	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 97.40%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.801	67	22835	9.65	ppb(v	98
5) Propene	3.825	41	63923	7.01	ppb(v	97
6) Dichlorodifluoromethane	3.887	85	240397	9.17	ppb(v	100
8) Chloromethane	4.027	50	80079	9.33	ppb(v	98
9) Dichlorotetrafluoroethane	4.107	85	255297	9.33	ppb(v	96
10) Vinyl Chloride	4.211	62	94995	9.53	ppb(v	100
11) 1,3-Butadiene	4.321	54	67568	8.85	ppb(v	97
12) n-Butane	4.364	58	14479	9.44	ppb(v	89
13) Bromomethane	4.553	94	96162	9.06	ppb(v	99
14) Chloroethane	4.694	64	45316	9.77	ppb(v	97
15) Dichlorofluoromethane	4.768	67	210293	9.05	ppb(v	100
16) Acetonitrile	5.000	41	71099	7.60	ppb(v	99
17) Freon 123	5.122	83	237077	9.60	ppb(v	99
18) Freon 123A	5.178	117	124923	9.97	ppb(v	86
19) Bromoethene	5.000	106	95862	10.14	ppb(v	99
20) Trichlorofluoromethane	5.367	101	225286	9.56	ppb(v	100
21) Acetone	5.220	58	42644	7.78	ppb(v	96
22) Pentane	5.679	57	23680	6.98	ppb(v	91
24) Iodomethane	5.887	142	271363	9.49	ppb(v	97
25) Isopropyl Alcohol	5.441	45	165892	8.10	ppb(v	100
26) 1,1-Dichloroethene	5.954	61	154408	9.41	ppb(v	98
27) Freon 113	6.315	101	208059	9.56	ppb(v	97
28) Methylene Chloride	6.077	84	90281	8.15	ppb(v	92
29) Carbon Disulfide	6.358	76	293486	9.67	ppb(v	100
30) Ethanol	4.804	45	37753	6.63	ppb(v	99
31) Acrylonitrile	5.649	53	73808	8.97	ppb(v	98
32) 3-Chloropropene	6.187	76	44753	10.17	ppb(v	85
33) trans-1,2-Dichloroethene	6.994	61	141096	9.65	ppb(v	97
34) tert-Butyl Alcohol	5.997	59	220379	9.39	ppb(v	97
35) Methyl tert-Butyl Ether	7.258	73	261710	8.49	ppb(v	97
36) Vinyl Acetate	7.368	43	252351	10.08	ppb(v	97
37) 1,1-Dichloroethane	7.209	63	180153	9.59	ppb(v	99
38) 2-Butanone	7.631	72	48960	10.52	ppb(v	84
39) Hexane	8.310	57	146118	7.62	ppb(v	96
40) cis-1,2-Dichloroethene	8.102	61	139504	10.02	ppb(v	97
41) Di-isopropyl Ether	8.310	87	82170	10.96	ppb(v	81
42) Ethyl Acetate	8.353	61	33858	10.76	ppb(v	88
43) Methyl Acrylate	8.340	55	192207	9.81	ppb(v	98
44) Chloroform	8.426	83	219194	9.94	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14428.D
Acq On : 5 Nov 2015 4:11 pm
Operator : THOMASH
Sample : icc577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 16:43:22 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 16:03:11 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.301	57	180359	7.90	ppb(v	99
46) Tetrahydrofuran	8.879	72	48746	10.49	ppb(v	92
47) 1,1,1-Trichloroethane	9.533	97	208110	9.36	ppb(v	98
48) 1,2-Dichloroethane	9.252	62	131713	10.20	ppb(v	99
49) Benzene	10.078	78	315361	9.54	ppb(v	98
50) Carbon Tetrachloride	10.249	117	220517	9.93	ppb(v	99
51) Cyclohexane	10.384	56	150088	9.47	ppb(v	96
52) 2,3-Dimethylpentane	10.677	71	66932	9.94	ppb(v	92
54) 2,2,4-Trimethylpentane	11.375	57	499759	8.95	ppb(v	98
55) Heptane	11.717	71	101009	9.63	ppb(v	96
56) Trichloroethene	11.350	95	146803	9.67	ppb(v	99
57) 1,2-Dichloropropane	11.051	63	121100	10.17	ppb(v	99
58) Dibromomethane	11.032	174	139306	10.16	ppb(v	92
59) Ethyl Acrylate	11.087	55	235490	9.01	ppb(v	98
60) Methyl Methacrylate	11.626	69	111254	9.01	ppb(v	90
61) 1,4-Dioxane	11.369	88	74174	9.57	ppb(v	96
62) Bromodichloromethane	11.301	83	243615	10.02	ppb(v	99
63) cis-1,3-Dichloropropene	12.439	75	201918	10.65	ppb(v	99
64) 4-Methyl-2-pentanone	12.482	58	97507	10.86	ppb(v	92
65) trans-1,3-Dichloropropene	13.124	75	173903	11.71	ppb(v	97
66) Toluene	13.693	91	380623	9.89	ppb(v	99
67) 1,1,2-Trichloroethane	13.339	97	137464	9.94	ppb(v	98
68) 2-Hexanone	14.067	58	138521	10.86	ppb(v	94
69) Ethyl Methacrylate	14.097	69	195111	9.54	ppb(v	99
70) Dibromochloromethane	14.256	129	257711	10.35	ppb(v	100
71) Tetrachloroethene	15.223	166	191021	10.15	ppb(v	99
72) 1,2-Dibromoethane	14.574	107	222410	10.66	ppb(v	99
73) Octane	15.045	43	230467	8.21	ppb(v	97
74) 1,1,1,2-Tetrachloroethane	16.147	131	169703	10.26	ppb(v	100
76) Chlorobenzene	16.171	112	305092	9.55	ppb(v	99
77) Ethylbenzene	16.715	91	495019	9.55	ppb(v	99
78) m,p-Xylene	16.991	91	752323	18.94	ppb(v	99
79) Styrene	17.511	104	288980	10.72	ppb(v	99
80) Nonane	18.043	43	232195	7.71	ppb(v	96
81) o-Xylene	17.664	91	376678	9.36	ppb(v	99
82) Bromoform	17.064	173	260080	10.18	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.664	83	308044	9.73	ppb(v	99
84) 1,2,3-Trichloropropane	17.860	75	220869	9.52	ppb(v	99
85) Isopropylbenzene	18.575	105	532741	9.49	ppb(v	99
86) Bromobenzene	18.692	156	180682	9.89	ppb(v	91
87) 2-Chlorotoluene	19.285	126	133010	9.33	ppb(v	95
88) n-Propylbenzene	19.352	120	141624	10.43	ppb(v	92
90) 4-Ethyltoluene	19.572	105	499963	9.83	ppb(v	99
91) 1,3,5-Trimethylbenzene	19.695	105	419512	9.46	ppb(v	99
92) alpha-Methylstyrene	19.921	118	218065	10.47	ppb(v	99
93) tert-Butylbenzene	20.258	134	90364	10.51	ppb(v	92
94) 1,2,4-Trimethylbenzene	20.270	105	432279	9.83	ppb(v	99
95) 1,3-Dichlorobenzene	20.460	146	288202	9.65	ppb(v	98
96) Benzyl Chloride	20.447	91	390810	10.12	ppb(v	99
97) 1,4-Dichlorobenzene	20.557	146	289084	9.22	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14428.D
Acq On : 5 Nov 2015 4:11 pm
Operator : THOMASH
Sample : icc577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 16:43:22 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 16:03:11 2015
Response via : Initial Calibration

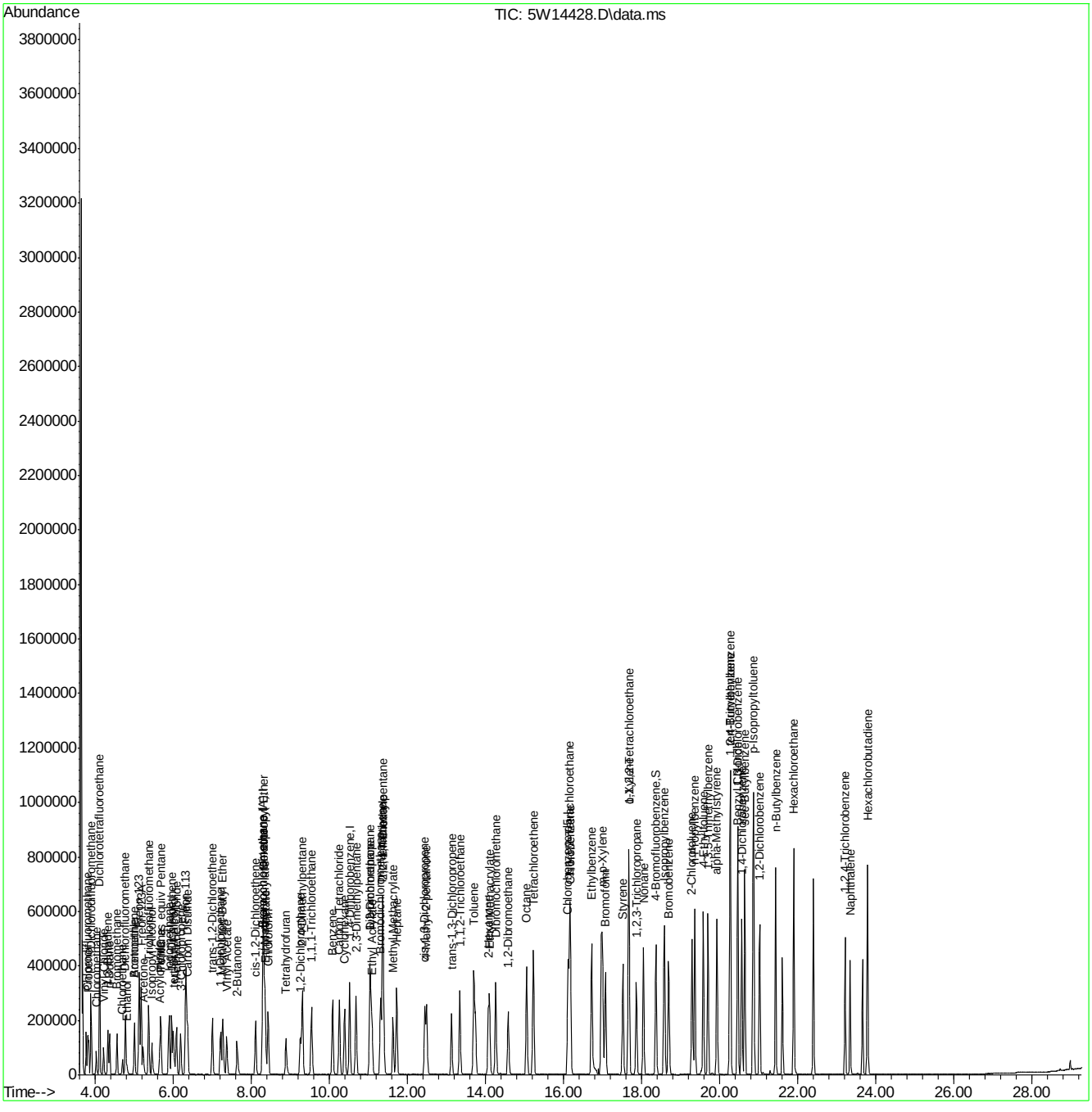
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.637	134	112301	10.24	ppb(v	95
99)	p-Isopropyltoluene	20.863	134	125887	10.05	ppb(v	95
100)	1,2-Dichlorobenzene	21.016	146	269614	9.72	ppb(v	98
101)	n-Butylbenzene	21.432	134	115643	10.30	ppb(v	83
102)	Hexachloroethane	21.897	201	165920	10.07	ppb(v	89
103)	1,2,4-Trichlorobenzene	23.206	180	164852	10.65	ppb(v	99
104)	Naphthalene	23.335	128	360776	10.19	ppb(v	100
105)	Hexachlorobutadiene	23.781	225	160370	9.10	ppb(v	99
107)	TVHC as equiv Pentane	5.673	TIC	567443	9.16	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14428.D
Acq On : 5 Nov 2015 4:11 pm
Operator : THOMASH
Sample : icc577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 16:43:22 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 16:03:11 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14429.D
Acq On : 5 Nov 2015 4:54 pm
Operator : THOMASH
Sample : ic577-20
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 17:24:20 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 16:45:23 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.285	130	97910	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	10.512	114	352902	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.110	82	195337	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.285	130	97910	10.00	ppb(v	0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.361	95	233138	9.33	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 93.30%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.801	67	44475	18.87	ppb(v	100
5) Propene	3.826	41	123948	14.26	ppb(v	99
6) Dichlorodifluoromethane	3.887	85	467049	18.00	ppb(v	100
8) Chloromethane	4.027	50	154637	18.17	ppb(v	99
9) Dichlorotetrafluoroethane	4.107	85	496506	18.29	ppb(v	100
10) Vinyl Chloride	4.211	62	186245	18.77	ppb(v	99
11) 1,3-Butadiene	4.321	54	130220	17.33	ppb(v	98
12) n-Butane	4.364	58	27846	18.29	ppb(v	99
13) Bromomethane	4.554	94	186965	17.83	ppb(v	98
14) Chloroethane	4.694	64	88911	19.19	ppb(v	99
15) Dichlorofluoromethane	4.774	67	409446	17.84	ppb(v	99
16) Acetonitrile	5.000	41	133984	14.99	ppb(v	97
17) Freon 123	5.122	83	462665	18.79	ppb(v	100
18) Freon 123A	5.178	117	240784	19.15	ppb(v	97
19) Bromoethene	5.000	106	188340	19.81	ppb(v	100
20) Trichlorofluoromethane	5.367	101	438276	18.67	ppb(v	99
21) Acetone	5.220	58	81964	15.59	ppb(v	97
22) Pentane	5.679	57	46164	14.68	ppb(v	96
24) Iodomethane	5.887	142	534579	18.79	ppb(v	100
25) Isopropyl Alcohol	5.441	45	327051	16.54	ppb(v	99
26) 1,1-Dichloroethene	5.955	61	302157	18.54	ppb(v	100
27) Freon 113	6.322	101	407583	18.80	ppb(v	98
28) Methylene Chloride	6.077	84	177369	16.46	ppb(v	99
29) Carbon Disulfide	6.364	76	572628	18.90	ppb(v	100
30) Ethanol	4.804	45	71910	13.74	ppb(v	99
31) Acrylonitrile	5.649	53	145489	17.93	ppb(v	100
32) 3-Chloropropene	6.187	76	89547	20.21	ppb(v	98
33) trans-1,2-Dichloroethene	6.995	61	280018	19.20	ppb(v	98
34) tert-Butyl Alcohol	5.997	59	428802	18.40	ppb(v	100
35) Methyl tert-Butyl Ether	7.258	73	522044	17.31	ppb(v	100
36) Vinyl Acetate	7.368	43	491667	19.55	ppb(v	99
37) 1,1-Dichloroethane	7.209	63	354787	18.95	ppb(v	99
38) 2-Butanone	7.625	72	96074	20.36	ppb(v	95
39) Hexane	8.310	57	281386	15.23	ppb(v	98
40) cis-1,2-Dichloroethene	8.108	61	272555	19.50	ppb(v	96
41) Di-isopropyl Ether	8.310	87	159497	20.87	ppb(v	98
42) Ethyl Acetate	8.353	61	65419	20.34	ppb(v	95
43) Methyl Acrylate	8.340	55	367940	18.81	ppb(v	99
44) Chloroform	8.426	83	424460	19.20	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14429.D
Acq On : 5 Nov 2015 4:54 pm
Operator : THOMASH
Sample : ic577-20
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 17:24:20 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 16:45:23 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.307	57	352071	15.92	ppb(v	99
46) Tetrahydrofuran	8.873	72	95620	20.30	ppb(v	97
47) 1,1,1-Trichloroethane	9.539	97	411750	18.65	ppb(v	99
48) 1,2-Dichloroethane	9.252	62	256576	19.73	ppb(v	99
49) Benzene	10.078	78	621024	18.87	ppb(v	100
50) Carbon Tetrachloride	10.255	117	431718	19.40	ppb(v	98
51) Cyclohexane	10.384	56	293596	18.62	ppb(v	99
52) 2,3-Dimethylpentane	10.677	71	130054	19.27	ppb(v	97
54) 2,2,4-Trimethylpentane	11.375	57	969413	17.87	ppb(v	99
55) Heptane	11.717	71	195233	18.95	ppb(v	98
56) Trichloroethene	11.350	95	287679	19.28	ppb(v	100
57) 1,2-Dichloropropane	11.057	63	234979	19.89	ppb(v	99
58) Dibromomethane	11.038	174	274287	20.17	ppb(v	95
59) Ethyl Acrylate	11.087	55	460498	18.11	ppb(v	100
60) Methyl Methacrylate	11.626	69	218614	18.20	ppb(v	99
61) 1,4-Dioxane	11.363	88	146905	19.31	ppb(v	87
62) Bromodichloromethane	11.307	83	477762	19.87	ppb(v	99
63) cis-1,3-Dichloropropene	12.445	75	391977	20.68	ppb(v	99
64) 4-Methyl-2-pentanone	12.482	58	190391	21.14	ppb(v	99
65) trans-1,3-Dichloropropene	13.124	75	339033	22.45	ppb(v	99
66) Toluene	13.700	91	744500	19.60	ppb(v	99
67) 1,1,2-Trichloroethane	13.339	97	268817	19.67	ppb(v	99
68) 2-Hexanone	14.067	58	270147	21.06	ppb(v	98
69) Ethyl Methacrylate	14.103	69	383289	19.10	ppb(v	99
70) Dibromochloromethane	14.262	129	506797	20.47	ppb(v	100
71) Tetrachloroethene	15.223	166	375854	20.14	ppb(v	98
72) 1,2-Dibromoethane	14.580	107	434029	20.81	ppb(v	100
73) Octane	15.052	43	450199	16.73	ppb(v	98
74) 1,1,1,2-Tetrachloroethane	16.153	131	329803	20.07	ppb(v	96
76) Chlorobenzene	16.171	112	596142	18.03	ppb(v	100
77) Ethylbenzene	16.716	91	968654	18.05	ppb(v	100
78) m,p-Xylene	16.991	91	1472988	35.86	ppb(v	99
79) Styrene	17.511	104	566303	19.91	ppb(v	100
80) Nonane	18.043	43	454338	15.03	ppb(v	100
81) o-Xylene	17.670	91	738568	17.78	ppb(v	99
82) Bromoform	17.070	173	508315	19.01	ppb(v	100
83) 1,1,2,2-Tetrachloroethane	17.664	83	602153	18.32	ppb(v	99
84) 1,2,3-Trichloropropane	17.860	75	430136	17.92	ppb(v	100
85) Isopropylbenzene	18.575	105	1042021	17.94	ppb(v	99
86) Bromobenzene	18.692	156	355231	18.68	ppb(v	98
87) 2-Chlorotoluene	19.285	126	260831	17.73	ppb(v	100
88) n-Propylbenzene	19.358	120	278543	19.52	ppb(v	97
90) 4-Ethyltoluene	19.579	105	975358	18.44	ppb(v	100
91) 1,3,5-Trimethylbenzene	19.695	105	828335	18.07	ppb(v	100
92) alpha-Methylstyrene	19.921	118	429424	19.62	ppb(v	100
93) tert-Butylbenzene	20.258	134	177671	19.64	ppb(v	97
94) 1,2,4-Trimethylbenzene	20.270	105	845947	18.50	ppb(v	96
95) 1,3-Dichlorobenzene	20.460	146	559941	18.07	ppb(v	99
96) Benzyl Chloride	20.453	91	767453	19.01	ppb(v	99
97) 1,4-Dichlorobenzene	20.557	146	569204	17.64	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14429.D
Acq On : 5 Nov 2015 4:54 pm
Operator : THOMASH
Sample : ic577-20
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 17:24:20 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 16:45:23 2015
Response via : Initial Calibration

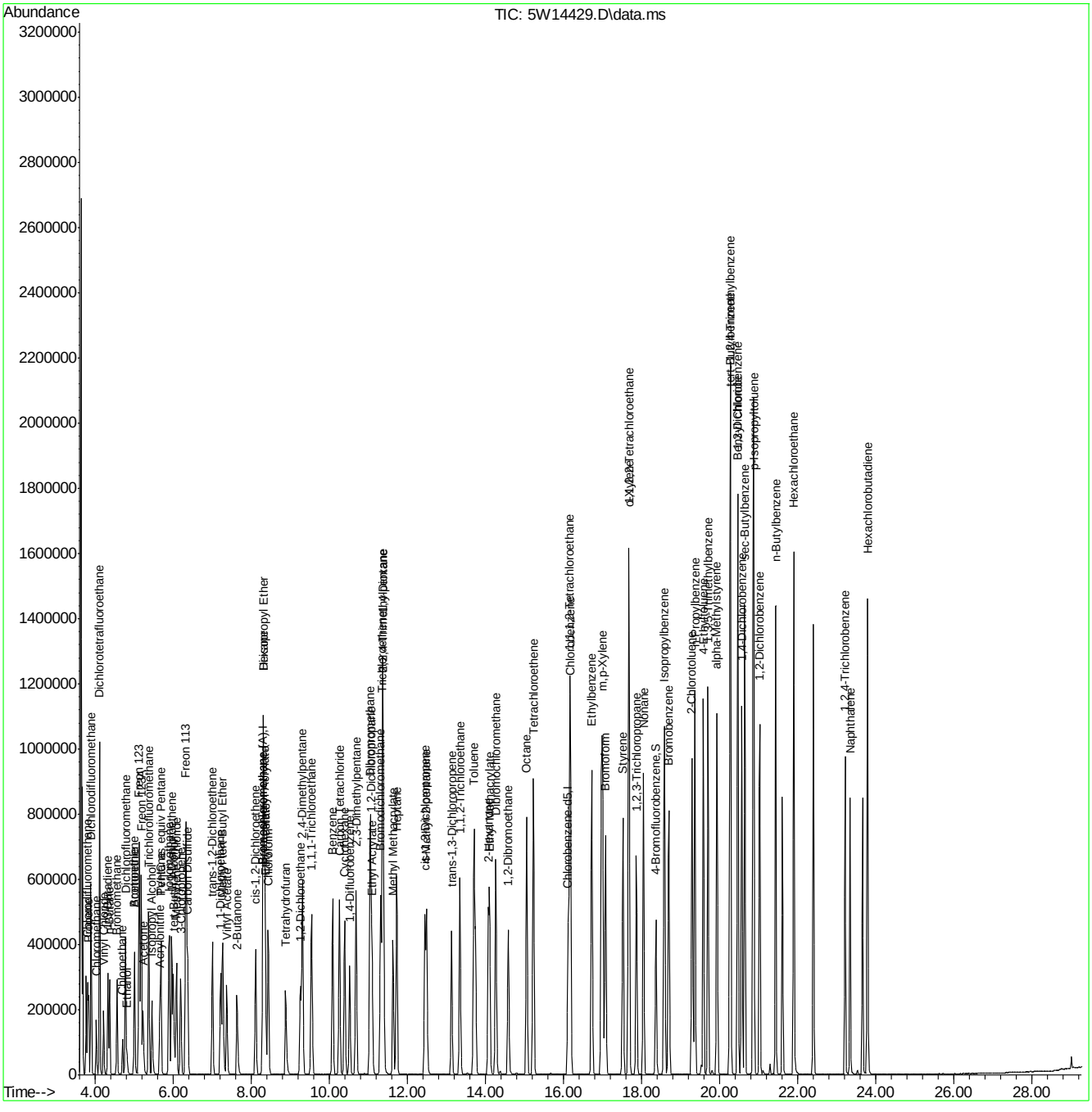
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.637	134	219718	19.13	ppb(v	97
99)	p-Isopropyltoluene	20.869	134	250643	19.17	ppb(v	90
100)	1,2-Dichlorobenzene	21.016	146	532511	18.50	ppb(v	99
101)	n-Butylbenzene	21.432	134	223143	18.97	ppb(v	100
102)	Hexachloroethane	21.897	201	334891	19.46	ppb(v	99
103)	1,2,4-Trichlorobenzene	23.206	180	324516	19.85	ppb(v	99
104)	Naphthalene	23.335	128	714000	19.27	ppb(v	100
105)	Hexachlorobutadiene	23.781	225	304324	16.81	ppb(v	99
107)	TVHC as equiv Pentane	5.679	TIC	1110535	18.24	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14429.D
Acq On : 5 Nov 2015 4:54 pm
Operator : THOMASH
Sample : ic577-20
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 17:24:20 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 16:45:23 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14430.D
Acq On : 5 Nov 2015 5:38 pm
Operator : THOMASH
Sample : ic577-30
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 08:28:48 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 17:28:22 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.291	130	103364	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	10.518	114	372364	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.110	82	211524	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.291	130	103364	10.00	ppb(v	0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.361	95	246940	9.21	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 92.10%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.801	67	65722	26.66	ppb(v	100
5) Propene	3.825	41	182571	25.12	ppb(v	99
6) Dichlorodifluoromethane	3.887	85	687887	25.48	ppb(v	99
8) Chloromethane	4.027	50	230554	26.00	ppb(v	99
9) Dichlorotetrafluoroethane	4.107	85	727747	25.71	ppb(v	99
10) Vinyl Chloride	4.211	62	275544	26.54	ppb(v	100
11) 1,3-Butadiene	4.321	54	193650	24.88	ppb(v	98
12) n-Butane	4.364	58	42370	26.75	ppb(v	93
13) Bromomethane	4.553	94	276012	25.33	ppb(v	99
14) Chloroethane	4.694	64	129062	26.56	ppb(v	99
15) Dichlorofluoromethane	4.774	67	602950	25.28	ppb(v	99
16) Acetonitrile	5.000	41	198225	21.92	ppb(v	98
17) Freon 123	5.129	83	680491	26.41	ppb(v	99
18) Freon 123A	5.177	117	358310	27.16	ppb(v	97
19) Bromoethene	5.000	106	277944	27.73	ppb(v	100
20) Trichlorofluoromethane	5.367	101	649300	26.45	ppb(v	100
21) Acetone	5.220	58	123189	23.04	ppb(v	99
22) Pentane	5.679	57	68106	21.66	ppb(v	96
24) Iodomethane	5.887	142	794307	26.67	ppb(v	100
25) Isopropyl Alcohol	5.447	45	478586	23.60	ppb(v	99
26) 1,1-Dichloroethene	5.954	61	451101	26.49	ppb(v	99
27) Freon 113	6.321	101	607901	26.79	ppb(v	99
28) Methylene Chloride	6.077	84	264592	23.87	ppb(v	100
29) Carbon Disulfide	6.364	76	855783	26.97	ppb(v	100
30) Ethanol	4.810	45	104398	23.31	ppb(v	100
31) Acrylonitrile	5.649	53	216870	25.69	ppb(v	100
32) 3-Chloropropene	6.187	76	132922	28.37	ppb(v	99
33) trans-1,2-Dichloroethene	7.001	61	418224	27.32	ppb(v	97
34) tert-Butyl Alcohol	6.003	59	627887	25.81	ppb(v	99
35) Methyl tert-Butyl Ether	7.257	73	771270	24.70	ppb(v	100
36) Vinyl Acetate	7.368	43	730403	27.61	ppb(v	100
37) 1,1-Dichloroethane	7.209	63	525261	26.78	ppb(v	100
38) 2-Butanone	7.625	72	141751	28.37	ppb(v	97
39) Hexane	8.310	57	416907	22.12	ppb(v	97
40) cis-1,2-Dichloroethene	8.108	61	405939	27.61	ppb(v	97
41) Di-isopropyl Ether	8.310	87	237829	29.29	ppb(v	98
42) Ethyl Acetate	8.353	61	97598	28.64	ppb(v	97
43) Methyl Acrylate	8.340	55	544854	26.70	ppb(v	100
44) Chloroform	8.432	83	623227	26.86	ppb(v	99

ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14430.D
Acq On : 5 Nov 2015 5:38 pm
Operator : THOMASH
Sample : ic577-30
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 08:28:48 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 17:28:22 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.307	57	515136	22.73	ppb(v	99
46) Tetrahydrofuran	8.873	72	139540	27.99	ppb(v	99
47) 1,1,1-Trichloroethane	9.539	97	608618	26.36	ppb(v	99
48) 1,2-Dichloroethane	9.258	62	376821	27.50	ppb(v	99
49) Benzene	10.078	78	918442	26.65	ppb(v	100
50) Carbon Tetrachloride	10.255	117	640091	27.36	ppb(v	99
51) Cyclohexane	10.390	56	435076	26.40	ppb(v	99
52) 2,3-Dimethylpentane	10.677	71	193409	27.29	ppb(v	97
54) 2,2,4-Trimethylpentane	11.375	57	1427007	25.32	ppb(v	100
55) Heptane	11.723	71	288538	26.74	ppb(v	99
56) Trichloroethene	11.356	95	424819	27.12	ppb(v	99
57) 1,2-Dichloropropane	11.057	63	344710	27.68	ppb(v	99
58) Dibromomethane	11.038	174	405894	28.26	ppb(v	98
59) Ethyl Acrylate	11.087	55	678899	25.65	ppb(v	100
60) Methyl Methacrylate	11.626	69	326965	26.14	ppb(v	99
61) 1,4-Dioxane	11.369	88	217064	27.18	ppb(v	92
62) Bromodichloromethane	11.307	83	701840	27.69	ppb(v	100
63) cis-1,3-Dichloropropene	12.445	75	583727	29.05	ppb(v	100
64) 4-Methyl-2-pentanone	12.488	58	284400	29.69	ppb(v	100
65) trans-1,3-Dichloropropene	13.124	75	501891	30.95	ppb(v	99
66) Toluene	13.699	91	1100560	27.54	ppb(v	99
67) 1,1,2-Trichloroethane	13.345	97	397156	27.61	ppb(v	99
68) 2-Hexanone	14.067	58	407324	29.83	ppb(v	100
69) Ethyl Methacrylate	14.103	69	573542	27.26	ppb(v	99
70) Dibromochloromethane	14.262	129	751207	28.66	ppb(v	100
71) Tetrachloroethene	15.223	166	555373	28.18	ppb(v	99
72) 1,2-Dibromoethane	14.580	107	644424	29.11	ppb(v	100
73) Octane	15.051	43	662617	23.89	ppb(v	98
74) 1,1,1,2-Tetrachloroethane	16.153	131	491096	28.31	ppb(v	96
76) Chlorobenzene	16.177	112	884403	25.06	ppb(v	100
77) Ethylbenzene	16.715	91	1433088	25.01	ppb(v	99
78) m,p-Xylene	16.991	91	2156369	49.21	ppb(v	100
79) Styrene	17.517	104	839143	27.26	ppb(v	100
80) Nonane	18.043	43	674519	21.37	ppb(v	100
81) o-Xylene	17.670	91	1087007	24.56	ppb(v	99
82) Bromoform	17.070	173	754240	26.24	ppb(v	100
83) 1,1,2,2-Tetrachloroethane	17.670	83	882721	25.10	ppb(v	100
84) 1,2,3-Trichloropropane	17.859	75	633968	24.76	ppb(v	100
85) Isopropylbenzene	18.581	105	1525751	24.62	ppb(v	100
86) Bromobenzene	18.691	156	526587	25.82	ppb(v	97
87) 2-Chlorotoluene	19.291	126	390747	24.94	ppb(v	98
88) n-Propylbenzene	19.358	120	415982	27.01	ppb(v	93
90) 4-Ethyltoluene	19.579	105	1452266	25.64	ppb(v	100
91) 1,3,5-Trimethylbenzene	19.695	105	1224275	25.01	ppb(v	100
92) alpha-Methylstyrene	19.927	118	641907	27.15	ppb(v	99
93) tert-Butylbenzene	20.258	134	261721	26.78	ppb(v	98
94) 1,2,4-Trimethylbenzene	20.276	105	1246129	25.44	ppb(v	93
95) 1,3-Dichlorobenzene	20.466	146	841037	25.42	ppb(v	100
96) Benzyl Chloride	20.453	91	1145717	26.39	ppb(v	99
97) 1,4-Dichlorobenzene	20.564	146	840832	24.48	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14430.D
Acq On : 5 Nov 2015 5:38 pm
Operator : THOMASH
Sample : ic577-30
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 08:28:48 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 17:28:22 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.643	134	326768	26.44	ppb(v	96
99)	p-Isopropyltoluene	20.869	134	367338	26.10	ppb(v	92
100)	1,2-Dichlorobenzene	21.022	146	784670	25.45	ppb(v	99
101)	n-Butylbenzene	21.432	134	339512	26.85	ppb(v	97
102)	Hexachloroethane	21.897	201	496406	26.74	ppb(v	98
103)	1,2,4-Trichlorobenzene	23.206	180	495772	28.03	ppb(v	99
104)	Naphthalene	23.335	128	1080338	27.09	ppb(v	100
105)	Hexachlorobutadiene	23.781	225	475089	24.80	ppb(v	99
107)	TVHC as equiv Pentane	5.679	TIC	1651319	26.16	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

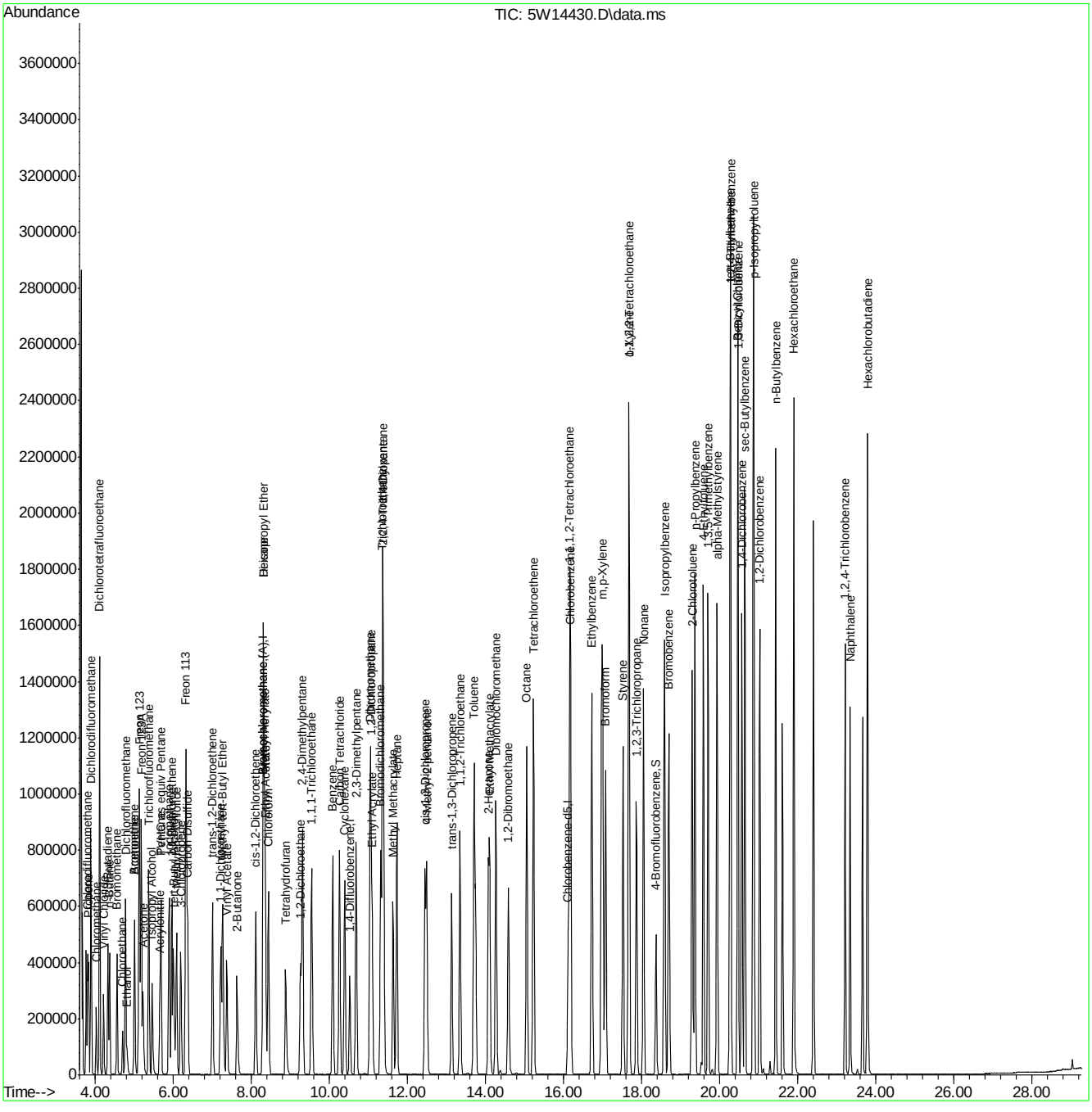
7.7.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14430.D
Acq On : 5 Nov 2015 5:38 pm
Operator : THOMASH
Sample : ic577-30
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 08:28:48 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Nov 05 17:28:22 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14431.D
Acq On : 5 Nov 2015 6:23 pm
Operator : THOMASH
Sample : ic577-40
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 08:30:56 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:30:15 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.291	130	97268	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	10.518	114	349933	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.116	82	208950	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.291	130	97268	10.00	ppb(v	0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.367	95	231855	8.84	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 88.40%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.801	67	86897	38.07	ppb(v	99
5) Propene	3.825	41	243657	36.62	ppb(v	99
6) Dichlorodifluoromethane	3.887	85	917005	36.79	ppb(v	99
8) Chloromethane	4.027	50	305812	37.26	ppb(v	100
9) Dichlorotetrafluoroethane	4.107	85	961061	36.73	ppb(v	99
10) Vinyl Chloride	4.211	62	363745	37.77	ppb(v	100
11) 1,3-Butadiene	4.321	54	258189	36.02	ppb(v	99
12) n-Butane	4.364	58	55997	38.15	ppb(v	96
13) Bromomethane	4.553	94	368113	36.61	ppb(v	99
14) Chloroethane	4.694	64	172804	38.42	ppb(v	99
15) Dichlorofluoromethane	4.774	67	799032	36.32	ppb(v	100
16) Acetonitrile	5.000	41	263680	32.23	ppb(v	97
17) Freon 123	5.128	83	897972	37.60	ppb(v	99
18) Freon 123A	5.177	117	477687	38.94	ppb(v	98
19) Bromoethene	5.000	106	370960	39.71	ppb(v	100
20) Trichlorofluoromethane	5.367	101	860503	37.80	ppb(v	99
21) Acetone	5.220	58	163489	33.61	ppb(v	98
22) Pentane	5.679	57	90026	31.91	ppb(v	95
24) Iodomethane	5.887	142	1055698	38.20	ppb(v	100
25) Isopropyl Alcohol	5.447	45	638906	34.54	ppb(v	99
26) 1,1-Dichloroethene	5.960	61	597367	37.83	ppb(v	98
27) Freon 113	6.321	101	803660	38.14	ppb(v	98
28) Methylene Chloride	6.077	84	350359	34.47	ppb(v	99
29) Carbon Disulfide	6.364	76	1134318	38.48	ppb(v	100
30) Ethanol	4.810	45	136968	34.02	ppb(v	99
31) Acrylonitrile	5.648	53	286504	36.73	ppb(v	99
32) 3-Chloropropene	6.187	76	177068	40.47	ppb(v	98
33) trans-1,2-Dichloroethene	7.000	61	557179	39.11	ppb(v	98
34) tert-Butyl Alcohol	6.003	59	834201	37.09	ppb(v	99
35) Methyl tert-Butyl Ether	7.257	73	1037217	36.10	ppb(v	100
36) Vinyl Acetate	7.368	43	974947	39.62	ppb(v	100
37) 1,1-Dichloroethane	7.208	63	697780	38.32	ppb(v	100
38) 2-Butanone	7.631	72	187511	40.19	ppb(v	99
39) Hexane	8.310	57	554245	32.31	ppb(v	96
40) cis-1,2-Dichloroethene	8.108	61	539706	39.41	ppb(v	97
41) Di-isopropyl Ether	8.310	87	316497	41.55	ppb(v	96
42) Ethyl Acetate	8.352	61	128527	40.39	ppb(v	99
43) Methyl Acrylate	8.340	55	724619	38.44	ppb(v	100
44) Chloroform	8.432	83	826460	38.35	ppb(v	99

ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14431.D
Acq On : 5 Nov 2015 6:23 pm
Operator : THOMASH
Sample : ic577-40
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 08:30:56 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:30:15 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.307	57	687043	33.22	ppb(v	99
46) Tetrahydrofuran	8.873	72	189358	40.76	ppb(v	98
47) 1,1,1-Trichloroethane	9.539	97	802608	37.51	ppb(v	100
48) 1,2-Dichloroethane	9.258	62	500953	39.26	ppb(v	100
49) Benzene	10.084	78	1212669	37.92	ppb(v	100
50) Carbon Tetrachloride	10.255	117	843439	38.74	ppb(v	99
51) Cyclohexane	10.390	56	576988	37.77	ppb(v	99
52) 2,3-Dimethylpentane	10.677	71	258278	39.16	ppb(v	99
54) 2,2,4-Trimethylpentane	11.375	57	1848481	35.59	ppb(v	99
55) Heptane	11.723	71	382842	38.27	ppb(v	99
56) Trichloroethene	11.356	95	560142	38.51	ppb(v	99
57) 1,2-Dichloropropane	11.057	63	453764	39.15	ppb(v	98
58) Dibromomethane	11.038	174	538929	40.21	ppb(v	99
59) Ethyl Acrylate	11.087	55	906291	37.11	ppb(v	100
60) Methyl Methacrylate	11.625	69	429347	37.12	ppb(v	99
61) 1,4-Dioxane	11.369	88	283988	38.29	ppb(v	89
62) Bromodichloromethane	11.313	83	937620	39.74	ppb(v	100
63) cis-1,3-Dichloropropene	12.445	75	777606	41.34	ppb(v	99
64) 4-Methyl-2-pentanone	12.488	58	381148	42.39	ppb(v	99
65) trans-1,3-Dichloropropene	13.124	75	675003	44.12	ppb(v	99
66) Toluene	13.699	91	1460421	39.29	ppb(v	99
67) 1,1,2-Trichloroethane	13.345	97	530492	39.64	ppb(v	99
68) 2-Hexanone	14.066	58	540565	42.16	ppb(v	100
69) Ethyl Methacrylate	14.103	69	759698	38.86	ppb(v	99
70) Dibromochloromethane	14.262	129	996069	40.67	ppb(v	100
71) Tetrachloroethene	15.223	166	742674	40.40	ppb(v	98
72) 1,2-Dibromoethane	14.580	107	853638	41.19	ppb(v	99
73) Octane	15.051	43	883861	34.79	ppb(v	98
74) 1,1,1,2-Tetrachloroethane	16.153	131	651681	40.26	ppb(v	96
76) Chlorobenzene	16.177	112	1173914	34.38	ppb(v	100
77) Ethylbenzene	16.722	91	1884277	33.99	ppb(v	99
78) m,p-Xylene	16.997	91	2864127	67.69	ppb(v	100
79) Styrene	17.517	104	1121893	37.32	ppb(v	100
80) Nonane	18.043	43	901725	29.99	ppb(v	100
81) o-Xylene	17.670	91	1444872	33.82	ppb(v	99
82) Bromoform	17.076	173	1011689	36.20	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.670	83	1171444	34.42	ppb(v	100
84) 1,2,3-Trichloropropane	17.866	75	843574	34.10	ppb(v	99
85) Isopropylbenzene	18.581	105	2032995	33.97	ppb(v	99
86) Bromobenzene	18.691	156	699299	35.32	ppb(v	97
87) 2-Chlorotoluene	19.291	126	514392	33.95	ppb(v	98
88) n-Propylbenzene	19.358	120	548878	36.54	ppb(v	94
90) 4-Ethyltoluene	19.578	105	1915373	34.87	ppb(v	100
91) 1,3,5-Trimethylbenzene	19.701	105	1630886	34.44	ppb(v	99
92) alpha-Methylstyrene	19.927	118	852229	36.93	ppb(v	100
93) tert-Butylbenzene	20.264	134	345109	36.24	ppb(v	98
94) 1,2,4-Trimethylbenzene	20.276	105	1642768	34.61	ppb(v	98
95) 1,3-Dichlorobenzene	20.466	146	1111421	34.67	ppb(v	100
96) Benzyl Chloride	20.453	91	1524337	36.09	ppb(v	99
97) 1,4-Dichlorobenzene	20.563	146	1121134	33.82	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14431.D
Acq On : 5 Nov 2015 6:23 pm
Operator : THOMASH
Sample : ic577-40
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 08:30:56 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:30:15 2015
Response via : Initial Calibration

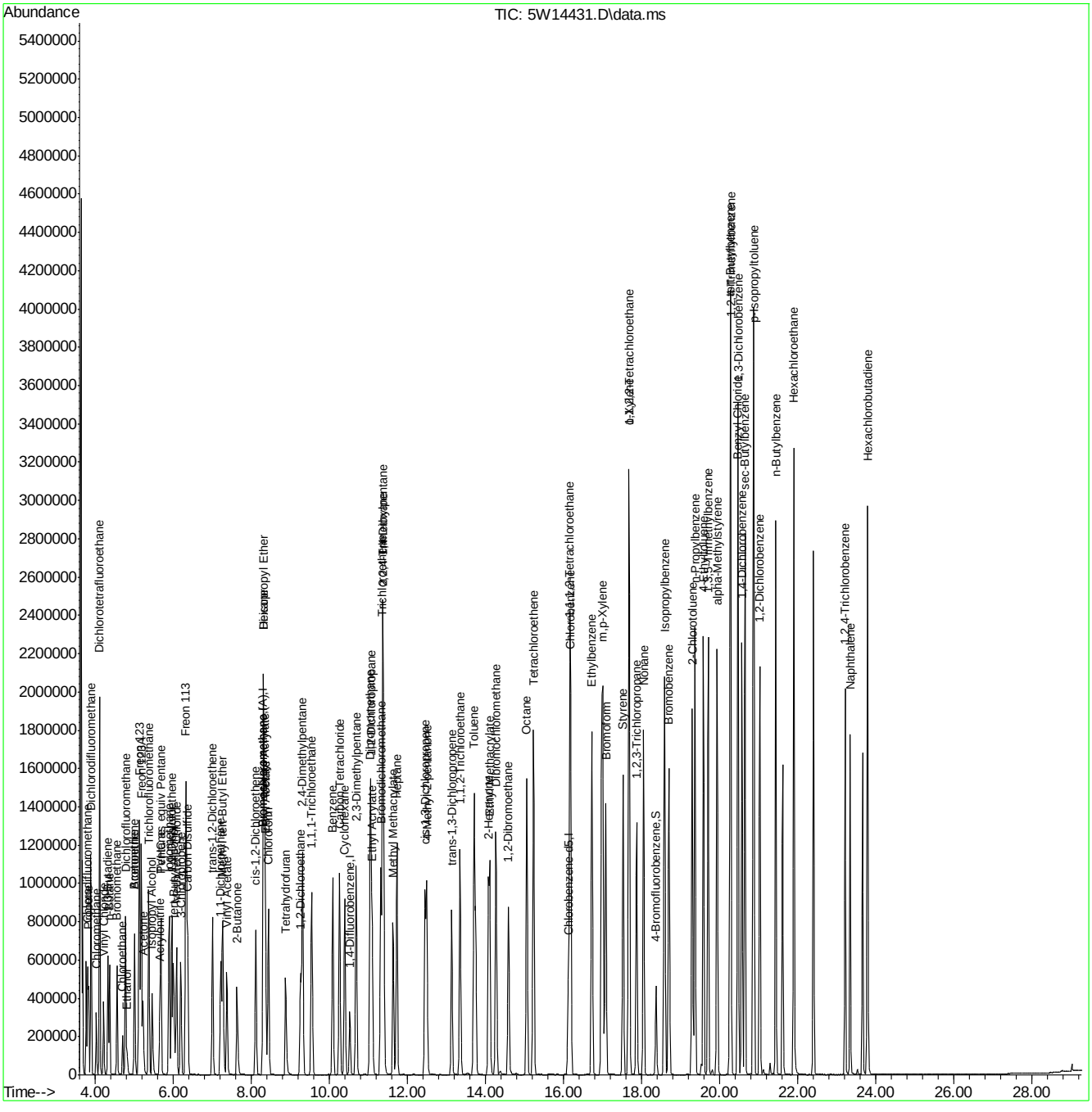
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.643	134	437380	36.37	ppb(v	93
99)	p-Isopropyltoluene	20.869	134	485596	35.50	ppb(v	93
100)	1,2-Dichlorobenzene	21.022	146	1051108	35.17	ppb(v	100
101)	n-Butylbenzene	21.432	134	450217	36.52	ppb(v	97
102)	Hexachloroethane	21.897	201	665364	36.78	ppb(v	99
103)	1,2,4-Trichlorobenzene	23.206	180	664239	38.38	ppb(v	99
104)	Naphthalene	23.335	128	1442473	37.13	ppb(v	100
105)	Hexachlorobutadiene	23.781	225	623671	33.69	ppb(v	99
107)	TVHC as equiv Pentane	5.679	TIC	2177129	37.44	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14431.D
Acq On : 5 Nov 2015 6:23 pm
Operator : THOMASH
Sample : ic577-40
Misc : MS92683,v5w577,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 08:30:56 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:30:15 2015
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
11/06/15 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14434.D
Acq On : 5 Nov 2015 8:34 pm
Operator : THOMASH
Sample : icv577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 08:42:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.285	130	95085	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	10.512	114	343325	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.110	82	182903	10.00	ppb(v	0.00
106) Bromochloromethane (A)	8.285	130	95085	10.00	ppb(v	0.00
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.361	95	227344	10.04	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.40%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.801	67	23703	10.69	ppb(v	96
5) Propene	3.826	41	65021	10.12	ppb(v	99
6) Dichlorodifluoromethane	3.887	85	248742	10.30	ppb(v	100
8) Chloromethane	4.027	50	83748	10.52	ppb(v	100
9) Dichlorotetrafluoroethane	4.107	85	273875	10.81	ppb(v	98
10) Vinyl Chloride	4.205	62	101328	10.83	ppb(v	100
11) 1,3-Butadiene	4.321	54	72032	10.40	ppb(v	99
12) n-Butane	4.358	58	15953	11.18	ppb(v	96
13) Bromomethane	4.554	94	103715	10.65	ppb(v	99
14) Chloroethane	4.694	64	48400	11.06	ppb(v	99
15) Dichlorofluoromethane	4.768	67	222657	10.46	ppb(v	99
16) Acetonitrile	5.000	41	71076	9.11	ppb(v	98
17) Freon 123	5.122	83	243340	10.49	ppb(v	99
18) Freon 123A	5.171	117	129345	10.82	ppb(v	94
19) Bromoethene	4.994	106	102945	11.28	ppb(v	100
20) Trichlorofluoromethane	5.367	101	239029	10.81	ppb(v	100
21) Acetone	5.220	58	42820	9.19	ppb(v	99
22) Pentane	5.679	57	24724	9.23	ppb(v	93
24) Iodomethane	5.887	142	281898	10.49	ppb(v	98
25) Isopropyl Alcohol	5.441	45	170205	9.58	ppb(v	100
26) 1,1-Dichloroethene	5.954	61	158097	10.30	ppb(v	99
27) Freon 113	6.315	101	215776	10.53	ppb(v	99
28) Methylene Chloride	6.077	84	97038	9.92	ppb(v	100
29) Carbon Disulfide	6.358	76	306994	10.70	ppb(v	100
30) Ethanol	4.804	45	38433	10.01	ppb(v	100
31) Acrylonitrile	5.649	53	74597	9.87	ppb(v	98
32) 3-Chloropropene	6.181	76	46006	10.74	ppb(v	97
33) trans-1,2-Dichloroethene	6.995	61	145013	10.44	ppb(v	99
34) tert-Butyl Alcohol	5.991	59	220319	10.10	ppb(v	100
35) Methyl tert-Butyl Ether	7.258	73	273146	9.83	ppb(v	99
36) Vinyl Acetate	7.368	43	252939	10.53	ppb(v	100
37) 1,1-Dichloroethane	7.209	63	184354	10.41	ppb(v	99
38) 2-Butanone	7.631	72	49004	10.74	ppb(v	100
39) Hexane	8.310	57	149532	9.11	ppb(v	98
40) cis-1,2-Dichloroethene	8.102	61	141787	10.61	ppb(v	98
41) Di-isopropyl Ether	8.310	87	84054	11.24	ppb(v	99
42) Ethyl Acetate	8.353	61	34158	10.96	ppb(v	99
43) Methyl Acrylate	8.340	55	193450	10.56	ppb(v	99
44) Chloroform	8.426	83	223964	10.68	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14434.D
Acq On : 5 Nov 2015 8:34 pm
Operator : THOMASH
Sample : icv577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 08:42:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.301	57	179739	9.06	ppb(v	98
46) Tetrahydrofuran	8.879	72	49154	10.80	ppb(v	98
47) 1,1,1-Trichloroethane	9.539	97	214751	10.34	ppb(v	99
48) 1,2-Dichloroethane	9.252	62	130259	10.47	ppb(v	99
49) Benzene	10.078	78	314430	10.12	ppb(v	100
50) Carbon Tetrachloride	10.249	117	224190	10.57	ppb(v	99
51) Cyclohexane	10.384	56	152958	10.31	ppb(v	98
52) 2,3-Dimethylpentane	10.677	71	67901	10.56	ppb(v	97
54) 2,2,4-Trimethylpentane	11.375	57	507301	10.08	ppb(v	100
55) Heptane	11.717	71	101778	10.42	ppb(v	99
56) Trichloroethene	11.350	95	144965	10.20	ppb(v	99
57) 1,2-Dichloropropane	11.051	63	122056	10.76	ppb(v	99
58) Dibromomethane	11.032	174	137253	10.43	ppb(v	99
59) Ethyl Acrylate	11.087	55	232658	9.79	ppb(v	100
60) Methyl Methacrylate	11.626	69	108718	9.66	ppb(v	99
61) 1,4-Dioxane	11.369	88	75361	10.41	ppb(v	99
62) Bromodichloromethane	11.301	83	243641	10.53	ppb(v	99
63) cis-1,3-Dichloropropene	12.445	75	187428	10.12	ppb(v	99
64) 4-Methyl-2-pentanone	12.482	58	95525	10.76	ppb(v	99
65) trans-1,3-Dichloropropene	13.124	75	167708	11.05	ppb(v	99
66) Toluene	13.693	91	375129	10.31	ppb(v	99
67) 1,1,2-Trichloroethane	13.339	97	137374	10.47	ppb(v	100
68) 2-Hexanone	14.067	58	134279	10.60	ppb(v	99
69) Ethyl Methacrylate	14.097	69	192783	10.08	ppb(v	100
70) Dibromochloromethane	14.256	129	252685	10.50	ppb(v	100
71) Tetrachloroethene	15.223	166	189165	10.48	ppb(v	99
72) 1,2-Dibromoethane	14.574	107	214183	10.50	ppb(v	100
73) Octane	15.052	43	225449	9.18	ppb(v	98
74) 1,1,1,2-Tetrachloroethane	16.147	131	165906	10.44	ppb(v	99
76) Chlorobenzene	16.171	112	284343	9.66	ppb(v	99
77) Ethylbenzene	16.716	91	468671	9.82	ppb(v	99
78) m,p-Xylene	16.966	91	702229	19.29	ppb(v	99
79) Styrene	17.511	104	258590	9.90	ppb(v	100
80) Nonane	18.043	43	219689	8.59	ppb(v	100
81) o-Xylene	17.664	91	357080	9.71	ppb(v	99
82) Bromoform	17.064	173	238085	9.83	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.664	83	290005	9.89	ppb(v	100
84) 1,2,3-Trichloropropane	17.860	75	205771	9.66	ppb(v	99
85) Isopropylbenzene	18.575	105	496396	9.64	ppb(v	100
86) Bromobenzene	18.692	156	158951	9.29	ppb(v	97
87) 2-Chlorotoluene	19.285	126	118250	9.07	ppb(v	97
88) n-Propylbenzene	19.352	120	128025	9.83	ppb(v	100
90) 4-Ethyltoluene	19.573	105	439943	9.28	ppb(v	99
91) 1,3,5-Trimethylbenzene	19.695	105	368909	9.04	ppb(v	99
92) alpha-Methylstyrene	19.921	118	185533	9.26	ppb(v	99
93) tert-Butylbenzene	20.258	134	81564	9.89	ppb(v	99
94) 1,2,4-Trimethylbenzene	20.270	105	371580	9.08	ppb(v	98
95) 1,3-Dichlorobenzene	20.460	146	238485	8.63	ppb(v	99
96) Benzyl Chloride	20.453	91	318734	8.72	ppb(v	98
97) 1,4-Dichlorobenzene	20.557	146	232953	8.17	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14434.D
Acq On : 5 Nov 2015 8:34 pm
Operator : THOMASH
Sample : icv577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 08:42:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

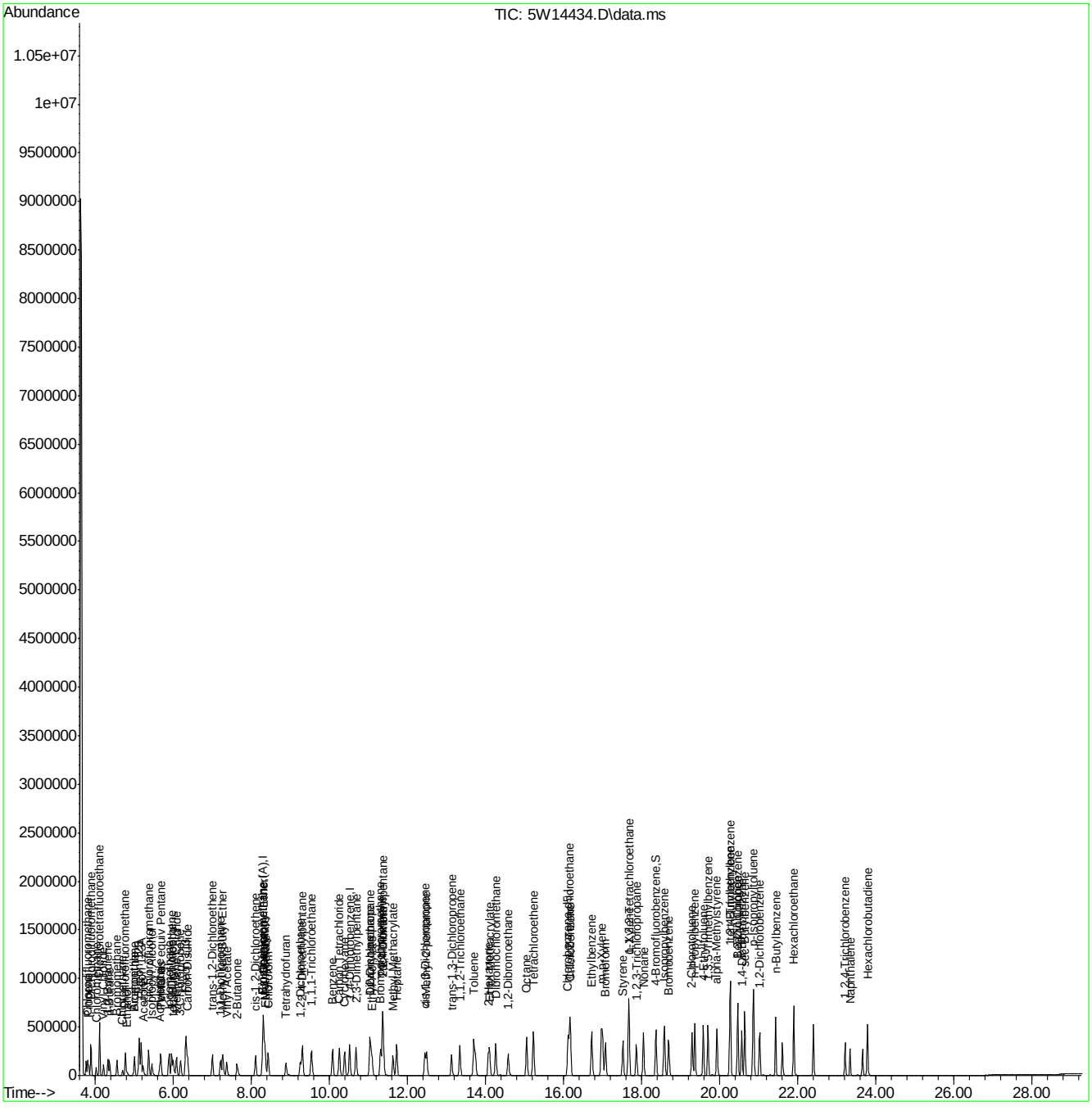
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.637	134	99231	9.52	ppb(v	99
99)	p-Isopropyltoluene	20.863	134	108278	9.16	ppb(v	99
100)	1,2-Dichlorobenzene	21.016	146	221279	8.57	ppb(v	99
101)	n-Butylbenzene	21.432	134	93540	8.75	ppb(v	98
102)	Hexachloroethane	21.897	201	145620	9.28	ppb(v	98
103)	1,2,4-Trichlorobenzene	23.206	180	110945	7.36	ppb(v	100
104)	Naphthalene	23.335	128	236465	7.02	ppb(v	100
105)	Hexachlorobutadiene	23.781	225	113841	7.15	ppb(v	99
107)	TVHC as equiv Pentane	5.673	TIC	599603m	10.65	ppb(v	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14434.D
Acq On : 5 Nov 2015 8:34 pm
Operator : THOMASH
Sample : icv577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 08:42:09 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Manual Integration Approval Summary

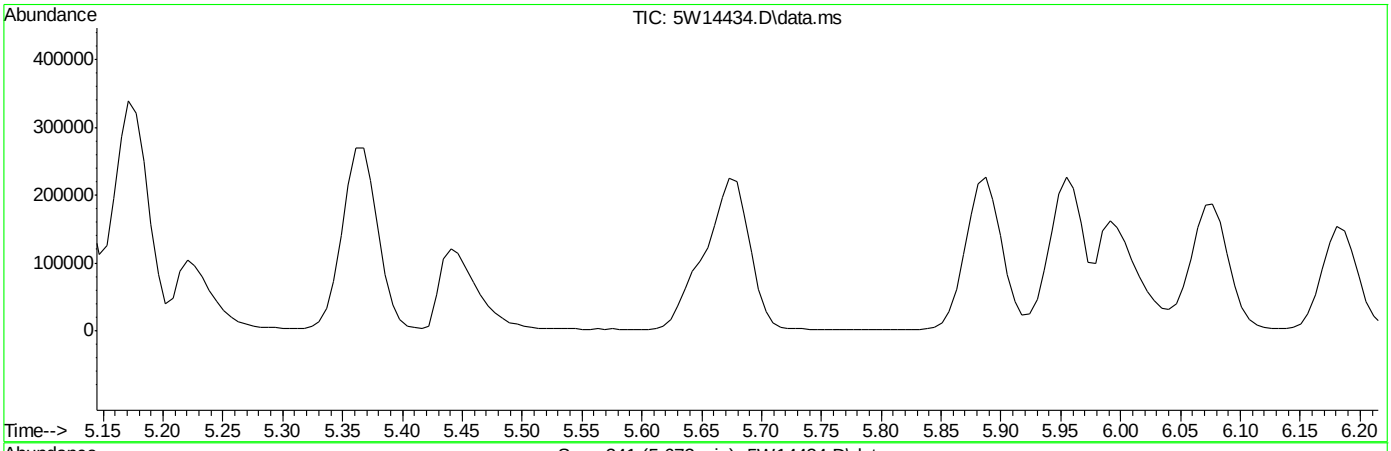
Sample Number:	V5W577-ICV577	**Method:**	TO-15
Lab FileID:	5W14434.D	**Analyst approved:**	11/06/15 08:48 Dana Tryon
Injection Time:	11/05/15 20:34	**Supervisor approved:**	11/06/15 15:02 Jessica Reitan-Chu

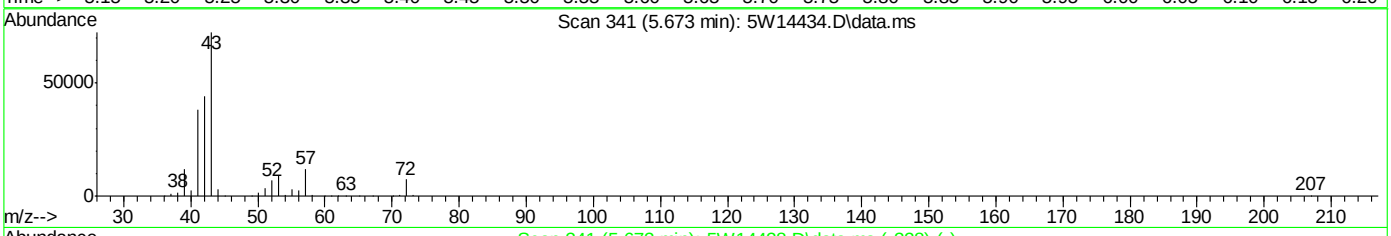
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			5.67	Missed peak

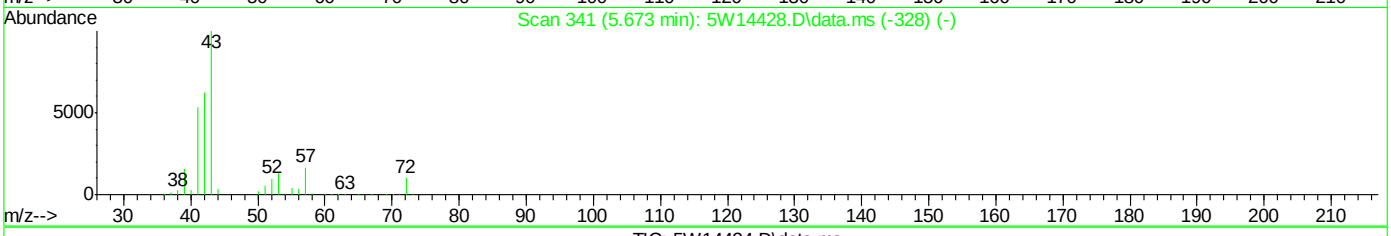
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 5W14434.D
Acq On : 5 Nov 2015 8:34 pm
Operator : THOMASH
Sample : icv577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 08:34:16 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration







TIC: 5W14434.D\data.ms

(107) TVHC as equiv Pentane

5.673min (-5.673) 0.00ppb(v)

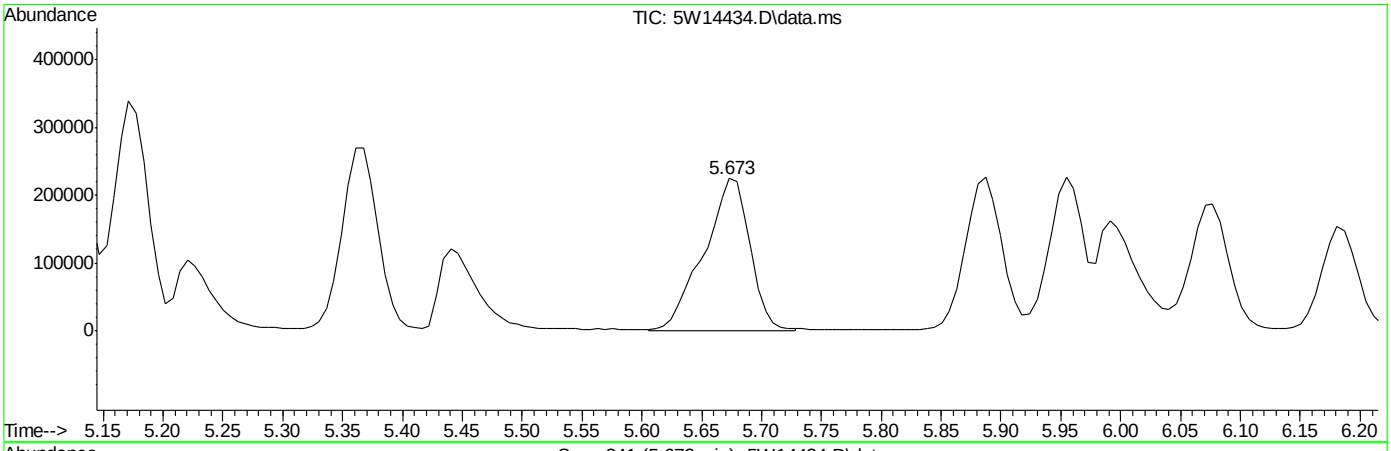
response 0

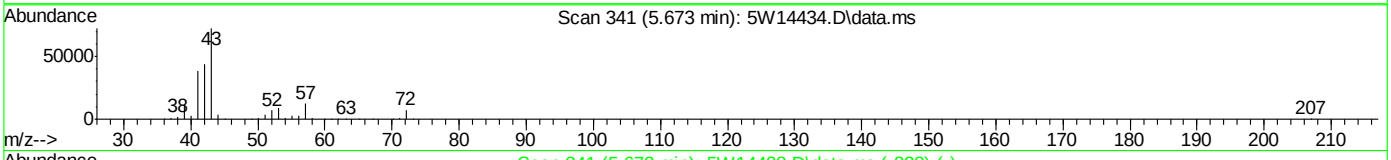
Signal	Exp%	Act%
TIC	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

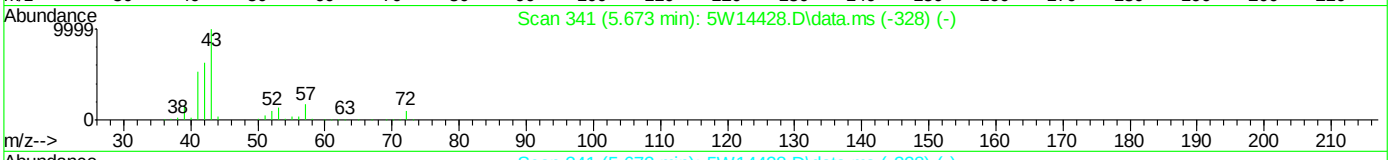
Quantitation Report (Qedit)

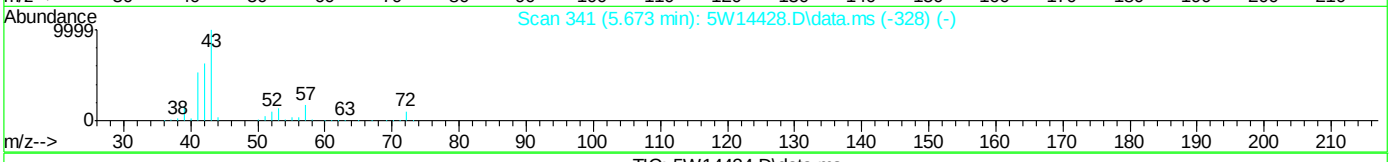
Data Path : C:\msdchem\1\DATA\
Data File : 5W14434.D
Acq On : 5 Nov 2015 8:34 pm
Operator : THOMASH
Sample : icv577-10
Misc : MS92683,v5w577,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 08:34:16 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration









TIC: 5W14434.D\data.ms

(107) TVHC as equiv Pentane

5.673min (+0.000) 10.65ppb(v) m

response 599603

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15024.D
Acq On : 10 Dec 2015 10:46 am
Operator : THOMASH
Sample : CC577-10
Misc : MS95274,v5w602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 11 11:08:40 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.365	130	99273	10.00	ppb(v	0.08
53) 1,4-Difluorobenzene	10.543	114	355295	10.00	ppb(v	0.03
75) Chlorobenzene-d5	16.079	82	194887	10.00	ppb(v	-0.03
106) Bromochloromethane (A)	8.365	130	99273	10.00	ppb(v	0.08
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.318	95	249054	10.32	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 103.20%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.960	67	21625	9.34	ppb(v	99
5) Propene	3.985	41	60943	9.08	ppb(v	99
6) Dichlorodifluoromethane	4.046	85	231488	9.18	ppb(v	100
8) Chloromethane	4.186	50	76990	9.26	ppb(v	100
9) Dichlorotetrafluoroethane	4.266	85	249520	9.43	ppb(v	97
10) Vinyl Chloride	4.364	62	90165	9.23	ppb(v	99
11) 1,3-Butadiene	4.474	54	63073	8.72	ppb(v	99
12) n-Butane	4.517	58	13837	9.29	ppb(v	91
13) Bromomethane	4.706	94	94177	9.26	ppb(v	98
14) Chloroethane	4.847	64	43081	9.43	ppb(v	99
15) Dichlorofluoromethane	4.927	67	203403	9.15	ppb(v	99
16) Acetonitrile	5.159	41	62761	7.70	ppb(v	97
17) Freon 123	5.275	83	233366	9.64	ppb(v	99
18) Freon 123A	5.324	117	132026	10.58	ppb(v	99
19) Bromoethene	5.147	106	94676	9.94	ppb(v	100
20) Trichlorofluoromethane	5.508	101	220297	9.54	ppb(v	99
21) Acetone	5.373	58	39474	8.11	ppb(v	94
22) Pentane	5.814	57	22290	7.97	ppb(v	97
24) Iodomethane	6.022	142	260766	9.29	ppb(v	100
25) Isopropyl Alcohol	5.600	45	152222	8.20	ppb(v	100
26) 1,1-Dichloroethene	6.089	61	150858	9.42	ppb(v	98
27) Freon 113	6.444	101	203252	9.50	ppb(v	100
28) Methylene Chloride	6.205	84	88016	8.62	ppb(v	98
29) Carbon Disulfide	6.481	76	288440	9.63	ppb(v	100
30) Ethanol	4.970	45	33285	8.31	ppb(v	98
31) Acrylonitrile	5.789	53	69509	8.81	ppb(v	99
32) 3-Chloropropene	6.309	76	43903	9.82	ppb(v	96
33) trans-1,2-Dichloroethene	7.105	61	134304	9.26	ppb(v	99
34) tert-Butyl Alcohol	6.138	59	200833	8.82	ppb(v	98
35) Methyl tert-Butyl Ether	7.362	73	242579	8.36	ppb(v	99
36) Vinyl Acetate	7.466	43	231090	9.21	ppb(v	99
37) 1,1-Dichloroethane	7.313	63	173717	9.39	ppb(v	99
38) 2-Butanone	7.723	72	46106	9.68	ppb(v	89
39) Hexane	8.383	57	140504	8.20	ppb(v	99
40) cis-1,2-Dichloroethene	8.187	61	131174	9.40	ppb(v	98
41) Di-isopropyl Ether	8.389	87	77320	9.90	ppb(v	93
42) Ethyl Acetate	8.426	61	32539	10.00	ppb(v	96
43) Methyl Acrylate	8.420	55	183523	9.59	ppb(v	99
44) Chloroform	8.506	83	210634	9.62	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15024.D
Acq On : 10 Dec 2015 10:46 am
Operator : THOMASH
Sample : CC577-10
Misc : MS95274,v5w602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 11 11:08:40 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.356	57	170805	8.25	ppb(v	99
46) Tetrahydrofuran	8.946	72	45423	9.56	ppb(v	98
47) 1,1,1-Trichloroethane	9.588	97	200289	9.24	ppb(v	100
48) 1,2-Dichloroethane	9.313	62	122964	9.46	ppb(v	99
49) Benzene	10.121	78	304389	9.38	ppb(v	100
50) Carbon Tetrachloride	10.292	117	206695	9.33	ppb(v	99
51) Cyclohexane	10.420	56	143200	9.24	ppb(v	98
52) 2,3-Dimethylpentane	10.708	71	64194	9.56	ppb(v	99
54) 2,2,4-Trimethylpentane	11.393	57	496089	9.53	ppb(v	100
55) Heptane	11.730	71	96378	9.54	ppb(v	96
56) Trichloroethene	11.375	95	144784	9.85	ppb(v	99
57) 1,2-Dichloropropane	11.081	63	116657	9.94	ppb(v	99
58) Dibromomethane	11.063	174	130166	9.56	ppb(v	100
59) Ethyl Acrylate	11.112	55	221021	8.99	ppb(v	99
60) Methyl Methacrylate	11.638	69	106020	9.10	ppb(v	98
61) 1,4-Dioxane	11.387	88	72571	9.68	ppb(v	97
62) Bromodichloromethane	11.326	83	238175	9.95	ppb(v	99
63) cis-1,3-Dichloropropene	12.445	75	189791	9.90	ppb(v	99
64) 4-Methyl-2-pentanone	12.488	58	92766	10.09	ppb(v	97
65) trans-1,3-Dichloropropene	13.118	75	159622	10.16	ppb(v	99
66) Toluene	13.687	91	359164	9.54	ppb(v	99
67) 1,1,2-Trichloroethane	13.332	97	133533	9.84	ppb(v	99
68) 2-Hexanone	14.054	58	128051	9.77	ppb(v	98
69) Ethyl Methacrylate	14.085	69	183773	9.29	ppb(v	99
70) Dibromochloromethane	14.244	129	242514	9.73	ppb(v	99
71) Tetrachloroethene	15.198	166	186266	9.97	ppb(v	98
72) 1,2-Dibromoethane	14.562	107	214987	10.18	ppb(v	98
73) Octane	15.027	43	228522	8.99	ppb(v	99
74) 1,1,1,2-Tetrachloroethane	16.116	131	163767	9.96	ppb(v	97
76) Chlorobenzene	16.140	112	290355	9.26	ppb(v	99
77) Ethylbenzene	16.685	91	464063	9.13	ppb(v	99
78) m,p-Xylene	16.954	91	715681	18.45	ppb(v	100
79) Styrene	17.474	104	265586	9.54	ppb(v	100
80) Nonane	18.000	43	232085	8.51	ppb(v	99
81) o-Xylene	17.627	91	365074	9.32	ppb(v	100
82) Bromoform	17.034	173	229775	8.91	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.627	83	309924	9.92	ppb(v	99
84) 1,2,3-Trichloropropane	17.817	75	219687	9.68	ppb(v	99
85) Isopropylbenzene	18.532	105	515597	9.39	ppb(v	100
86) Bromobenzene	18.649	156	172553	9.47	ppb(v	98
87) 2-Chlorotoluene	19.248	126	130264	9.37	ppb(v	98
88) n-Propylbenzene	19.316	120	138029	9.95	ppb(v	99
90) 4-Ethyltoluene	19.536	105	488284	9.67	ppb(v	100
91) 1,3,5-Trimethylbenzene	19.658	105	410765	9.45	ppb(v	100
92) alpha-Methylstyrene	19.885	118	206082	9.66	ppb(v	100
93) tert-Butylbenzene	20.221	134	87283	9.93	ppb(v	97
94) 1,2,4-Trimethylbenzene	20.233	105	419767	9.63	ppb(v	99
95) 1,3-Dichlorobenzene	20.423	146	277694	9.43	ppb(v	99
96) Benzyl Chloride	20.411	91	359901	9.24	ppb(v	100
97) 1,4-Dichlorobenzene	20.521	146	275985	9.08	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15024.D
Acq On : 10 Dec 2015 10:46 am
Operator : THOMASH
Sample : CC577-10
Misc : MS95274,v5w602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 11 11:08:40 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

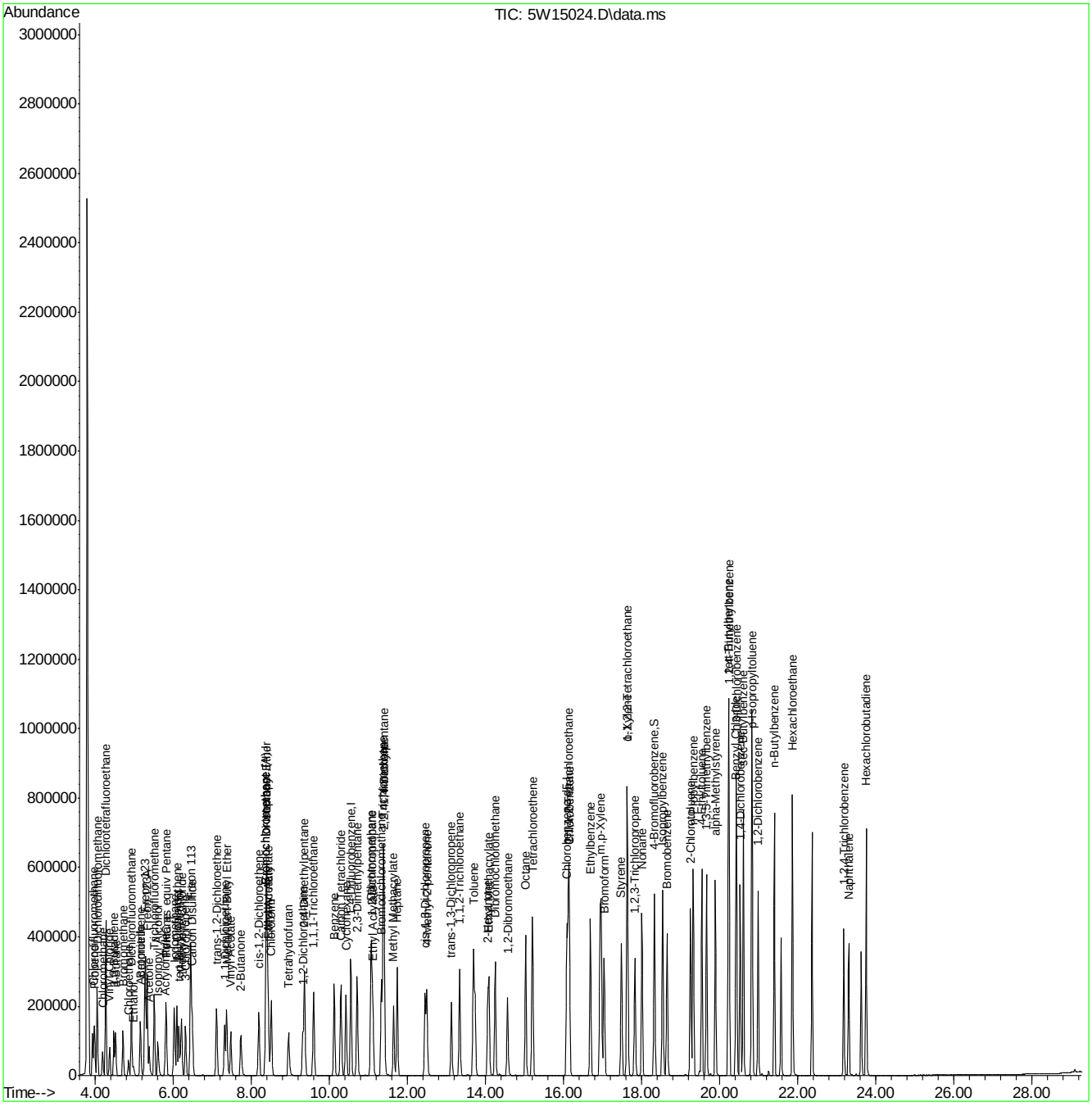
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.600	134	111368	10.03	ppb(v	99
99)	p-Isopropyltoluene	20.833	134	126618	10.05	ppb(v	91
100)	1,2-Dichlorobenzene	20.980	146	259767	9.45	ppb(v	100
101)	n-Butylbenzene	21.396	134	112038	9.84	ppb(v	96
102)	Hexachloroethane	21.861	201	159945	9.56	ppb(v	94
103)	1,2,4-Trichlorobenzene	23.176	180	140789	8.77	ppb(v	98
104)	Naphthalene	23.298	128	309515	8.62	ppb(v	100
105)	Hexachlorobutadiene	23.751	225	148713	8.77	ppb(v	99
107)	TVHC as equiv Pentane	5.814	TIC	543893	9.25	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15024.D
Acq On : 10 Dec 2015 10:46 am
Operator : THOMASH
Sample : CC577-10
Misc : MS95274,v5w602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 11 11:08:40 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15305.D
Acq On : 23 Dec 2015 12:21 pm
Operator : THOMASH
Sample : CC577-10
Misc : MS96317,v5w613,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 12:13:12 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	8.304	130	87420	10.00	ppb(v	0.02
53) 1,4-Difluorobenzene	10.506	114	308350	10.00	ppb(v	0.00
75) Chlorobenzene-d5	16.079	82	160774	10.00	ppb(v	-0.03
106) Bromochloromethane (A)	8.304	130	87420	10.00	ppb(v	0.02
System Monitoring Compounds						
89) 4-Bromofluorobenzene	18.324	95	196204	9.85	ppb(v	-0.04
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.50%			
Target Compounds						Qvalue
4) Chlorodifluoromethane	3.880	67	17624	8.64	ppb(v	98
5) Propene	3.905	41	49863	8.44	ppb(v	99
6) Dichlorodifluoromethane	3.966	85	196351	8.84	ppb(v	100
8) Chloromethane	4.101	50	64031	8.75	ppb(v	100
9) Dichlorotetrafluoroethane	4.180	85	217535	9.34	ppb(v	100
10) Vinyl Chloride	4.284	62	78421	9.12	ppb(v	98
11) 1,3-Butadiene	4.394	54	54002	8.48	ppb(v	96
12) n-Butane	4.437	58	11922	9.09	ppb(v	87
13) Bromomethane	4.627	94	83200	9.29	ppb(v	98
14) Chloroethane	4.761	64	36937	9.18	ppb(v	99
15) Dichlorofluoromethane	4.841	67	170522	8.71	ppb(v	99
16) Acetonitrile	5.067	41	52601	7.33	ppb(v	98
17) Freon 123	5.190	83	196509	9.22	ppb(v	99
18) Freon 123A	5.239	117	106773	9.71	ppb(v	98
19) Bromoethene	5.067	106	82999	9.89	ppb(v	99
20) Trichlorofluoromethane	5.428	101	182975	9.00	ppb(v	100
21) Acetone	5.287	58	33326	7.78	ppb(v	92
22) Pentane	5.734	57	18873	7.66	ppb(v	96
24) Iodomethane	5.942	142	231625	9.37	ppb(v	97
25) Isopropyl Alcohol	5.508	45	124601	7.62	ppb(v	99
26) 1,1-Dichloroethene	6.009	61	123154	8.73	ppb(v	98
27) Freon 113	6.364	101	170111	9.03	ppb(v	98
28) Methylene Chloride	6.126	84	74308	8.26	ppb(v	98
29) Carbon Disulfide	6.407	76	239403	9.07	ppb(v	100
30) Ethanol	4.878	45	27620	7.83	ppb(v	100
31) Acrylonitrile	5.703	53	56915	8.19	ppb(v	100
32) 3-Chloropropene	6.236	76	36360	9.23	ppb(v	98
33) trans-1,2-Dichloroethene	7.037	61	108545	8.50	ppb(v	95
34) tert-Butyl Alcohol	6.052	59	163014	8.13	ppb(v	98
35) Methyl tert-Butyl Ether	7.294	73	198495	7.77	ppb(v	99
36) Vinyl Acetate	7.398	43	188932	8.55	ppb(v	99
37) 1,1-Dichloroethane	7.245	63	141456	8.68	ppb(v	99
38) 2-Butanone	7.661	72	38004	9.06	ppb(v	99
39) Hexane	8.328	57	112812	7.48	ppb(v	96
40) cis-1,2-Dichloroethene	8.126	61	107667	8.76	ppb(v	95
41) Di-isopropyl Ether	8.328	87	64685	9.41	ppb(v	99
42) Ethyl Acetate	8.371	61	26423	9.23	ppb(v	100
43) Methyl Acrylate	8.359	55	146623	8.70	ppb(v	100
44) Chloroform	8.444	83	171514	8.90	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15305.D
Acq On : 23 Dec 2015 12:21 pm
Operator : THOMASH
Sample : CC577-10
Misc : MS96317,v5w613,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 12:13:12 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,4-Dimethylpentane	9.313	57	137370	7.53	ppb(v	99
46) Tetrahydrofuran	8.897	72	37697	9.01	ppb(v	96
47) 1,1,1-Trichloroethane	9.545	97	164428	8.61	ppb(v	99
48) 1,2-Dichloroethane	9.264	62	98628	8.62	ppb(v	99
49) Benzene	10.078	78	249358	8.73	ppb(v	99
50) Carbon Tetrachloride	10.249	117	172894	8.87	ppb(v	99
51) Cyclohexane	10.384	56	115106	8.44	ppb(v	97
52) 2,3-Dimethylpentane	10.671	71	53202	9.00	ppb(v	98
54) 2,2,4-Trimethylpentane	11.362	57	400333	8.86	ppb(v	99
55) Heptane	11.705	71	80898	9.22	ppb(v	99
56) Trichloroethene	11.344	95	118799	9.31	ppb(v	97
57) 1,2-Dichloropropane	11.044	63	98477	9.67	ppb(v	98
58) Dibromomethane	11.026	174	116519	9.86	ppb(v	97
59) Ethyl Acrylate	11.081	55	181474	8.50	ppb(v	99
60) Methyl Methacrylate	11.613	69	88683	8.77	ppb(v	98
61) 1,4-Dioxane	11.362	88	61153	9.40	ppb(v	96
62) Bromodichloromethane	11.295	83	195001	9.39	ppb(v	100
63) cis-1,3-Dichloropropene	12.421	75	160474	9.65	ppb(v	100
64) 4-Methyl-2-pentanone	12.470	58	76631	9.61	ppb(v	97
65) trans-1,3-Dichloropropene	13.100	75	132593	9.72	ppb(v	99
66) Toluene	13.675	91	301946	9.24	ppb(v	100
67) 1,1,2-Trichloroethane	13.314	97	111476	9.46	ppb(v	100
68) 2-Hexanone	14.042	58	106332	9.35	ppb(v	98
69) Ethyl Methacrylate	14.079	69	150214	8.75	ppb(v	99
70) Dibromochloromethane	14.232	129	212760	9.84	ppb(v	99
71) Tetrachloroethene	15.192	166	159593	9.84	ppb(v	99
72) 1,2-Dibromoethane	14.550	107	178976	9.77	ppb(v	99
73) Octane	15.021	43	178238	8.08	ppb(v	97
74) 1,1,1,2-Tetrachloroethane	16.116	131	141235	9.90	ppb(v	98
76) Chlorobenzene	16.134	112	251038	9.71	ppb(v	98
77) Ethylbenzene	16.679	91	388757	9.27	ppb(v	99
78) m,p-Xylene	16.954	91	592047	18.50	ppb(v	99
79) Styrene	17.474	104	227320	9.90	ppb(v	98
80) Nonane	18.006	43	177806	7.91	ppb(v	99
81) o-Xylene	17.627	91	301721	9.34	ppb(v	98
82) Bromoform	17.033	173	215452	10.12	ppb(v	99
83) 1,1,2,2-Tetrachloroethane	17.627	83	261657	10.15	ppb(v	100
84) 1,2,3-Trichloropropane	17.823	75	174540	9.32	ppb(v	100
85) Isopropylbenzene	18.538	105	417464	9.22	ppb(v	99
86) Bromobenzene	18.649	156	146664	9.76	ppb(v	99
87) 2-Chlorotoluene	19.248	126	109181	9.52	ppb(v	95
88) n-Propylbenzene	19.322	120	113647	9.93	ppb(v	96
90) 4-Ethyltoluene	19.542	105	396238	9.51	ppb(v	99
91) 1,3,5-Trimethylbenzene	19.658	105	330115	9.20	ppb(v	98
92) alpha-Methylstyrene	19.890	118	170024	9.66	ppb(v	98
93) tert-Butylbenzene	20.227	134	72221	9.96	ppb(v	97
94) 1,2,4-Trimethylbenzene	20.239	105	344940	9.59	ppb(v	96
95) 1,3-Dichlorobenzene	20.429	146	234888	9.67	ppb(v	98
96) Benzyl Chloride	20.417	91	306186	9.52	ppb(v	99
97) 1,4-Dichlorobenzene	20.527	146	235016	9.37	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15305.D
Acq On : 23 Dec 2015 12:21 pm
Operator : THOMASH
Sample : CC577-10
Misc : MS96317,v5w613,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 12:13:12 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	20.606	134	89667	9.79	ppb(v	100
99)	p-Isopropyltoluene	20.839	134	106245	10.22	ppb(v	90
100)	1,2-Dichlorobenzene	20.986	146	220395	9.72	ppb(v	99
101)	n-Butylbenzene	21.402	134	90099	9.59	ppb(v	98
102)	Hexachloroethane	21.866	201	140390	10.18	ppb(v	99
103)	1,2,4-Trichlorobenzene	23.182	180	130891	9.88	ppb(v	98
104)	Naphthalene	23.304	128	276194	9.32	ppb(v	100
105)	Hexachlorobutadiene	23.757	225	124442	8.89	ppb(v	99
107)	TVHC as equiv Pentane	5.734	TIC	446558	8.62	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

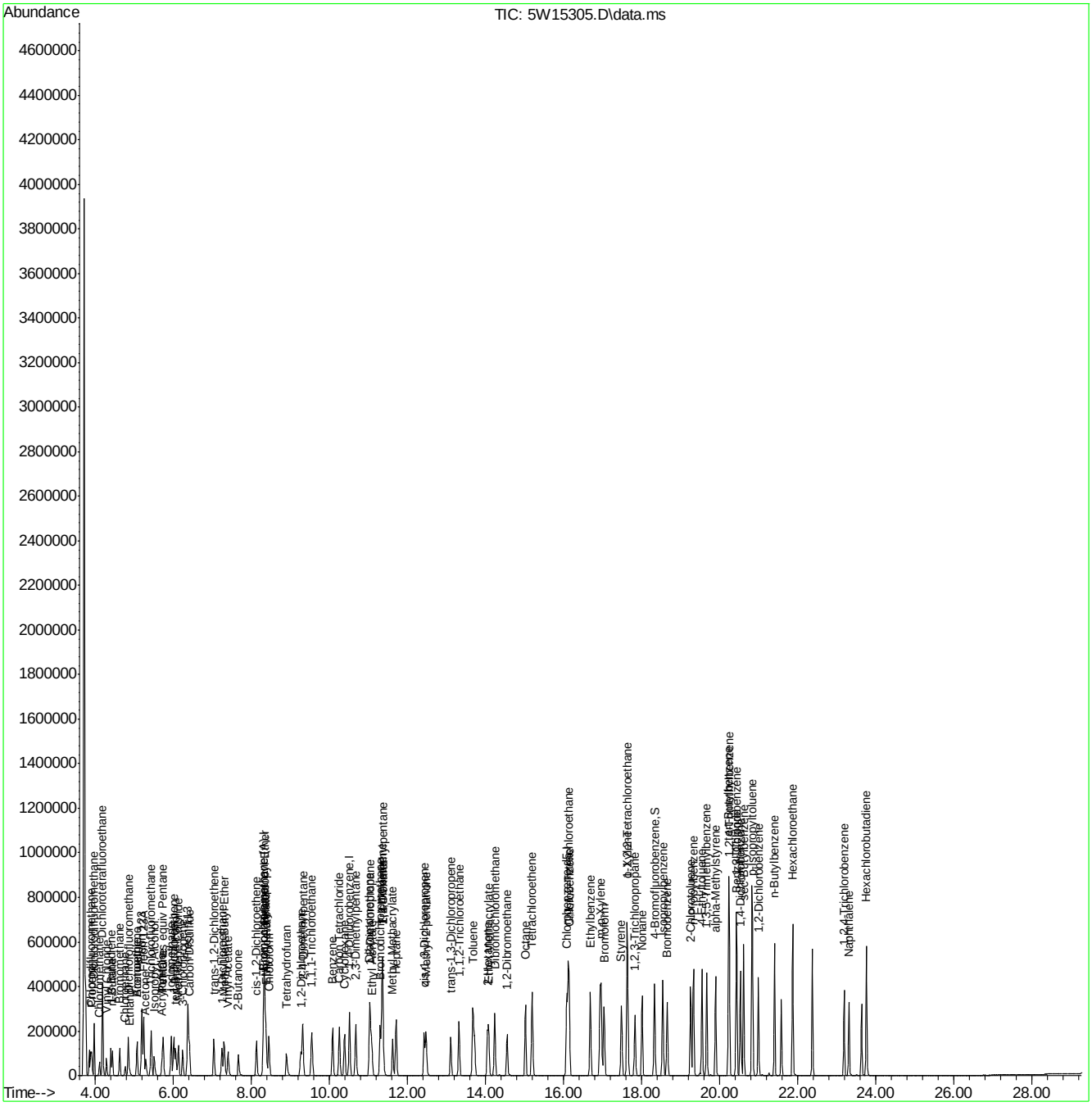
7.7.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 5W15305.D
Acq On : 23 Dec 2015 12:21 pm
Operator : THOMASH
Sample : CC577-10
Misc : MS96317,v5w613,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 12:13:12 2015
Quant Method : C:\msdchem\1\METHODS\m5w577.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Fri Nov 06 08:32:28 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52775.D Vial: 1
Acq On : 4 Dec 2015 10:29 am Operator: YOUMINH
Sample : ICC2109-10 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:28 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.26	128	139923	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	685013	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	317033	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.86	95	375955	10.00	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%			
Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.98	69	410722	10.00	PPBV	100
3) FREON 152A	5.09	65	132170	10.00	PPBV	100
4) CHLORODIFLUOROMETHANE	5.14	67	45489	10.00	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	491372	10.00	PPBV	100
6) PROPYLENE	5.17	41	173131	10.00	PPBV	100
7) FREON 114	5.48	85	534218	10.00	PPBV	100
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.37	65	336814	10.00	PPBV	100
9) CHLOROMETHANE	5.40	52	60786	10.00	PPBV	100
10) VINYL CHLORIDE	5.60	62	218700	10.00	PPBV	100
11) 1,3-BUTADIENE	5.72	54	166271	10.00	PPBV	100
12) n-BUTANE	5.77	58	47073	10.00	PPBV	100
13) BROMOMETHANE	5.97	94	183936	10.00	PPBV	100
14) CHLOROETHANE	6.11	64	109819	10.00	PPBV	100
15) DICHLOROFLUOROMETHANE	6.18	67	403819	10.00	PPBV	100
16) ACROLEIN	6.51	56	81738	10.00	PPBV	100
17) TRICHLOROFLUOROMETHANE	6.76	101	431786	10.00	PPBV	100
18) ISOPROPYL ALCOHOL	6.80	43	51586	10.00	PPBV	100
19) ACETONE	6.61	58	91926	10.00	PPBV	100
20) 1,1-DICHLORO-1-FLUOROETHAN	6.85	81	376568	10.00	PPBV	100
21) ACRYLONITRILE	7.00	53	141761	10.00	PPBV	100
22) PENTANE	7.05	57	55043	10.00	PPBV	100
23) IODOMETHANE	7.26	142	506822	10.00	PPBV	100
24) 1,1-DICHLOROETHYLENE	7.30	96	204424	10.00	PPBV	100
25) CARBON DISULFIDE	7.71	76	582140	10.00	PPBV	100
26) ETHANOL	6.20	45	75183	10.00	PPBV	100
27) ACETONITRILE	6.40	41	136518	10.00	PPBV	100
28) BROMOETHENE	6.42	106	186941	10.00	PPBV	100
29) METHYLENE CHLORIDE	7.40	84	182532	10.00	PPBV	100
30) 3-CHLOROPROPENE	7.50	76	100004	10.00	PPBV	100
31) FREON 113	7.60	151	336984	10.00	PPBV	100
32) TRANS-1,2-DICHLOROETHYLENE	8.20	96	201643	10.00	PPBV	100
33) TERTIARY BUTYL ALCOHOL	7.32	59	387966	10.00	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.42	73	537749	10.00	PPBV	100
35) TETRAHYDROFURAN	9.75	72	97191	10.00	PPBV	100
36) HEXANE	9.26	57	339087	10.00	PPBV	100
37) VINYL ACETATE	8.46	86	55135	10.00	PPBV	100
38) 1,1-DICHLOROETHANE	8.38	63	363385	10.00	PPBV	100
39) METHYL ETHYL KETONE	8.71	72	97239	10.00	PPBV	100
40) cis-1,2-DICHLOROETHYLENE	9.10	96	214878	10.00	PPBV	100
41) DI-ISOPROPYL ETHER	9.24	87	173113	10.00	PPBV	100
42) ETHYL ACETATE	9.26	61	65574	10.00	PPBV	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52775.D Vial: 1
Acq On : 4 Dec 2015 10:29 am Operator: YOUMINH
Sample : ICC2109-10 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:28 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	METHYL ACRYLATE	9.27	55	368526	10.00	PPBV	100
44)	CHLOROFORM	9.36	83	386627	10.00	PPBV	100
45)	2,4-DIMETHYLPENTANE	10.05	57	395685	10.00	PPBV	100
46)	1,1,1-TRICHLOROETHANE	10.27	97	388666	10.00	PPBV	100
47)	CARBON TETRACHLORIDE	10.83	117	399216	10.00	PPBV	100
48)	1,2-DICHLOROETHANE	10.03	62	228108	10.00	PPBV	100
50)	BENZENE	10.69	78	662109	10.00	PPBV	100
51)	CYCLOHEXANE	10.95	84	292581	10.00	PPBV	100
52)	2,3-DIMETHYLPENTANE	11.13	71	151543	10.00	PPBV	100
53)	TRICHLOROETHYLENE	11.66	95	267224	10.00	PPBV	100
54)	DIBROMOMETHANE	11.43	174	252939	10.00	PPBV	100
55)	1,2-DICHLOROPROPANE	11.45	63	229805	10.00	PPBV	100
56)	ETHYL ACRYLATE	11.39	55	413548	10.00	PPBV	100
57)	BROMODICHLOROMETHANE	11.63	83	425388	10.00	PPBV	100
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	1039172	10.00	PPBV	100
59)	1,4-DIOXANE	11.69	88	123042	10.00	PPBV	100
60)	METHYL METHACRYLATE	11.81	69	220909	10.00	PPBV	100
61)	HEPTANE	11.89	43	369325	10.00	PPBV	100
62)	METHYL ISOBUTYL KETONE	12.50	43	382759	10.00	PPBV	100
63)	cis-1,3-DICHLOROPROPENE	12.47	75	382602	10.00	PPBV	100
64)	TOLUENE	13.44	92	461587	10.00	PPBV	100
65)	trans-1,3-DICHLOROPROPENE	12.97	75	301109	10.00	PPBV	100
66)	1,1,2-TRICHLOROETHANE	13.16	83	208909	10.00	PPBV	100
68)	ETHYL METHACRYLATE	13.66	69	348473	10.00	PPBV	100
69)	2-HEXANONE	13.68	58	213639	10.00	PPBV	100
70)	TETRACHLOROETHYLENE	14.59	164	299547	10.00	PPBV	100
71)	DIBROMOCHLOROMETHANE	13.88	129	439686	10.00	PPBV	100
72)	1,2-DIBROMOETHANE	14.14	107	361132	10.00	PPBV	100
73)	OCTANE	14.38	43	506556	10.00	PPBV	100
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	315918	10.00	PPBV	100
75)	CHLOROBENZENE	15.30	112	585957	10.00	PPBV	100
76)	ETHYLBENZENE	15.67	91	905440	10.00	PPBV	100
77)	m,p-XYLENE	15.86	106	749719	20.00	PPBV	100
78)	o-XYLENE	16.38	106	349456	10.00	PPBV	100
79)	STYRENE	16.26	104	567739	10.00	PPBV	100
80)	1,2,3-TRICHLOROPROPANE	16.51	75	359561	10.00	PPBV	100
81)	NONANE	16.55	43	506037	10.00	PPBV	100
82)	BROMOFORM	15.98	173	415834	10.00	PPBV	100
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	495312	10.00	PPBV	100
85)	ISOPROPYLBENZENE	16.99	105	1028827	10.00	PPBV	100
86)	BROMOBENZENE	17.11	156	311614	10.00	PPBV	100
87)	2-CHLOROTOLUENE	17.52	126	244017	10.00	PPBV	100
88)	n-PROPYLBENZENE	17.54	120	274498	10.00	PPBV	100
89)	4-ETHYLTOLUENE	17.70	105	872255	10.00	PPBV	100
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	816323	10.00	PPBV	100
91)	ALPHA-METHYLSTYRENE	17.95	118	382409	10.00	PPBV	100
92)	TERT-BUTYLBENZENE	18.22	134	195256	10.00	PPBV	100
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	745996	10.00	PPBV	100
94)	m-DICHLOROBENZENE	18.42	146	430103	10.00	PPBV	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52775.D Vial: 1
Acq On : 4 Dec 2015 10:29 am Operator: YOUMINH
Sample : ICC2109-10 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:28 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

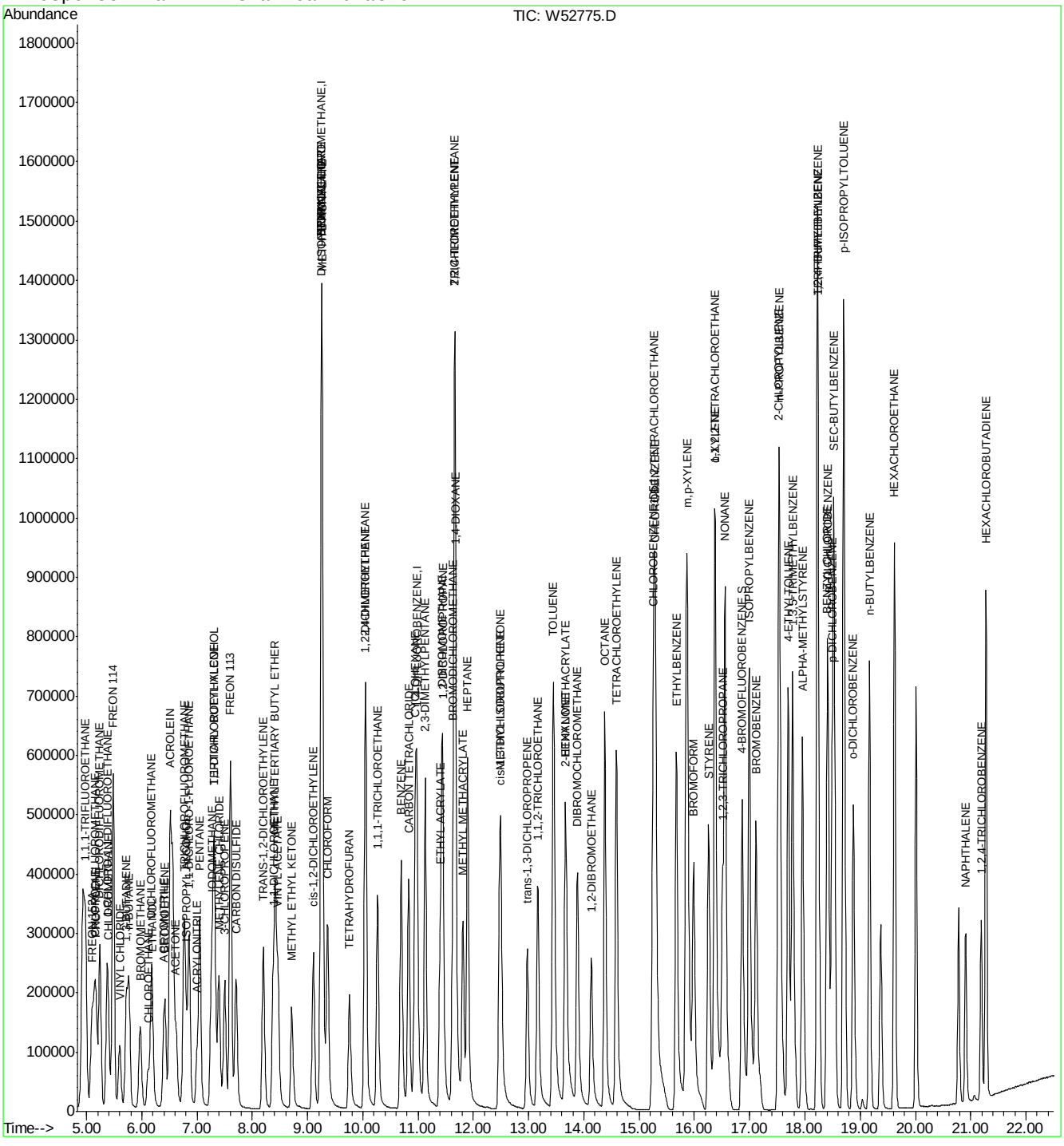
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	BENZYL CHLORIDE	18.40	91	531065	10.00	PPBV	100
96)	p-DICHLOROBENZENE	18.49	146	474901	10.00	PPBV	100
97)	SEC-BUTYLBENZENE	18.53	134	227158	10.00	PPBV	100
98)	p-ISOPROPYLTOLUENE	18.70	134	234061	10.00	PPBV	100
99)	o-DICHLOROBENZENE	18.87	146	411861	10.00	PPBV	100
100)	n-BUTYLBENZENE	19.17	134	197569	10.00	PPBV	100
101)	HEXACHLOROETHANE	19.62	201	296341	10.00	PPBV	100
102)	HEXACHLOROBUTADIENE	21.28	225	257766	10.00	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.19	180	156972	10.00	PPBV	100
104)	NAPHTHALENE	20.91	128	354322	10.00	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52775.D Vial: 1
Acq On : 4 Dec 2015 10:29 am Operator: YOUMINH
Sample : ICC2109-10 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:44 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52776.D Vial: 1
Acq On : 4 Dec 2015 11:10 am Operator: YOUMINH
Sample : IC2109-5 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:30 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.26	128	141763	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	630171	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	278966	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	329479	9.96	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 99.60%

Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.99	69	217535	5.23	PPBV	99
3) FREON 152A	5.10	65	67665	5.05	PPBV	99
4) CHLORODIFLUOROMETHANE	5.15	67	23372	5.07	PPBV	95
5) DICHLORODIFLUOROMETHANE	5.24	85	255769	5.14	PPBV	100
6) PROPYLENE	5.17	41	90188	5.14	PPBV	99
7) FREON 114	5.49	85	273988	5.06	PPBV	100
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.38	65	171282	5.02	PPBV	99
9) CHLOROMETHANE	5.41	52	32285	5.24	PPBV #	87
10) VINYL CHLORIDE	5.60	62	112445	5.07	PPBV	100
11) 1,3-BUTADIENE	5.73	54	83946	4.98	PPBV	99
12) n-BUTANE	5.77	58	24771	5.19	PPBV	97
13) BROMOMETHANE	5.98	94	95673	5.13	PPBV	100
14) CHLOROETHANE	6.12	64	56886	5.11	PPBV	99
15) DICHLOROFLUOROMETHANE	6.19	67	207841	5.08	PPBV	100
16) ACROLEIN	6.52	56	39014	4.71	PPBV	97
17) TRICHLOROFLUOROMETHANE	6.77	101	217320	4.97	PPBV	100
18) ISOPROPYL ALCOHOL	6.81	43	23829	4.56	PPBV	98
19) ACETONE	6.63	58	41825	4.49	PPBV	98
20) 1,1-DICHLORO-1-FLUOROETHAN	6.86	81	190580	5.00	PPBV	99
21) ACRYLONITRILE	7.01	53	66779	4.65	PPBV	98
22) PENTANE	7.05	57	28046	5.03	PPBV	98
23) IODOMETHANE	7.27	142	257081	5.01	PPBV	99
24) 1,1-DICHLOROETHYLENE	7.31	96	103144	4.98	PPBV	100
25) CARBON DISULFIDE	7.71	76	296637	5.03	PPBV	100
26) ETHANOL	6.21	45	36672	4.81	PPBV	98
27) ACETONITRILE	6.41	41	64415	4.66	PPBV	97
28) BROMOETHENE	6.43	106	95162	5.02	PPBV	100
29) METHYLENE CHLORIDE	7.40	84	92907	5.02	PPBV	92
30) 3-CHLOROPROPENE	7.50	76	50586	4.99	PPBV	99
31) FREON 113	7.61	151	171427	5.02	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.21	96	104940	5.14	PPBV	96
33) TERTIARY BUTYL ALCOHOL	7.33	59	176412	4.49	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.43	73	253430	4.65	PPBV	100
35) TETRAHYDROFURAN	9.77	72	45635	4.63	PPBV	97
36) HEXANE	9.26	57	170593	4.97	PPBV	99
37) VINYL ACETATE	8.47	86	26138	4.68	PPBV	99
38) 1,1-DICHLOROETHANE	8.38	63	184045	5.00	PPBV	100
39) METHYL ETHYL KETONE	8.72	72	44115	4.48	PPBV	100
40) cis-1,2-DICHLOROETHYLENE	9.11	96	109222	5.02	PPBV	99
41) DI-ISOPROPYL ETHER	9.25	87	80835	4.61	PPBV	100
42) ETHYL ACETATE	9.27	61	30501	4.59	PPBV	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52776.D Vial: 1
Acq On : 4 Dec 2015 11:10 am Operator: YOUMINH
Sample : IC2109-5 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:30 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	METHYL ACRYLATE	9.27	55	170794	4.57	PPBV		99
44)	CHLOROFORM	9.36	83	197346	5.04	PPBV		99
45)	2,4-DIMETHYLPENTANE	10.05	57	199438	4.97	PPBV		99
46)	1,1,1-TRICHLOROETHANE	10.27	97	196538	4.99	PPBV		100
47)	CARBON TETRACHLORIDE	10.83	117	202609	5.01	PPBV		99
48)	1,2-DICHLOROETHANE	10.03	62	112474	4.87	PPBV		99
50)	BENZENE	10.69	78	333278	5.47	PPBV		100
51)	CYCLOHEXANE	10.95	84	149034	5.54	PPBV		97
52)	2,3-DIMETHYLPENTANE	11.13	71	76804	5.51	PPBV		98
53)	TRICHLOROETHYLENE	11.66	95	135515	5.51	PPBV		99
54)	DIBROMOMETHANE	11.44	174	127865	5.50	PPBV		100
55)	1,2-DICHLOROPROPANE	11.45	63	116020	5.49	PPBV		100
56)	ETHYL ACRYLATE	11.40	55	177588	4.67	PPBV		99
57)	BROMODICHLOROMETHANE	11.63	83	216253	5.53	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.67	57	524425	5.49	PPBV		100
59)	1,4-DIOXANE	11.70	88	54012	4.77	PPBV	#	80
60)	METHYL METHACRYLATE	11.81	69	100440	4.94	PPBV		95
61)	HEPTANE	11.89	43	185105	5.45	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.51	43	157496	4.47	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.47	75	187173	5.32	PPBV		98
64)	TOLUENE	13.44	92	228902	5.39	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	12.98	75	142792	5.15	PPBV		98
66)	1,1,2-TRICHLOROETHANE	13.17	83	102275	5.32	PPBV		99
68)	ETHYL METHACRYLATE	13.67	69	143925	4.69	PPBV		100
69)	2-HEXANONE	13.69	58	90950	4.84	PPBV		99
70)	TETRACHLOROETHYLENE	14.59	164	151240	5.74	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.88	129	217249	5.62	PPBV		100
72)	1,2-DIBROMOETHANE	14.14	107	174596	5.49	PPBV		100
73)	OCTANE	14.38	43	245555	5.51	PPBV		100
74)	1,1,1,2-TETRACHLOROETHANE	15.28	131	155331	5.59	PPBV	#	68
75)	CHLOROBENZENE	15.30	112	286704	5.56	PPBV		99
76)	ETHYLBENZENE	15.67	91	436804	5.48	PPBV		100
77)	m,p-XYLENE	15.87	106	362009	10.97	PPBV		99
78)	o-XYLENE	16.38	106	168354	5.48	PPBV		100
79)	STYRENE	16.26	104	269451	5.39	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.51	75	168621	5.33	PPBV		100
81)	NONANE	16.55	43	235788	5.30	PPBV		100
82)	BROMOFORM	15.98	173	200907	5.49	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	233910	5.37	PPBV		99
85)	ISOPROPYLBENZENE	16.99	105	490731	5.42	PPBV		100
86)	BROMOBENZENE	17.12	156	148750	5.42	PPBV		100
87)	2-CHLOROTOLUENE	17.52	126	117754	5.48	PPBV	#	92
88)	n-PROPYLBENZENE	17.54	120	128047	5.30	PPBV		96
89)	4-ETHYLTOLUENE	17.70	105	398139	5.19	PPBV		98
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	386297	5.38	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.95	118	174496	5.19	PPBV		99
92)	TERT-BUTYLBENZENE	18.23	134	90307	5.26	PPBV		99
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	343868	5.24	PPBV		99
94)	m-DICHLOROBENZENE	18.42	146	206183	5.45	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52776.D Vial: 1
Acq On : 4 Dec 2015 11:10 am Operator: YOUMINH
Sample : IC2109-5 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:30 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

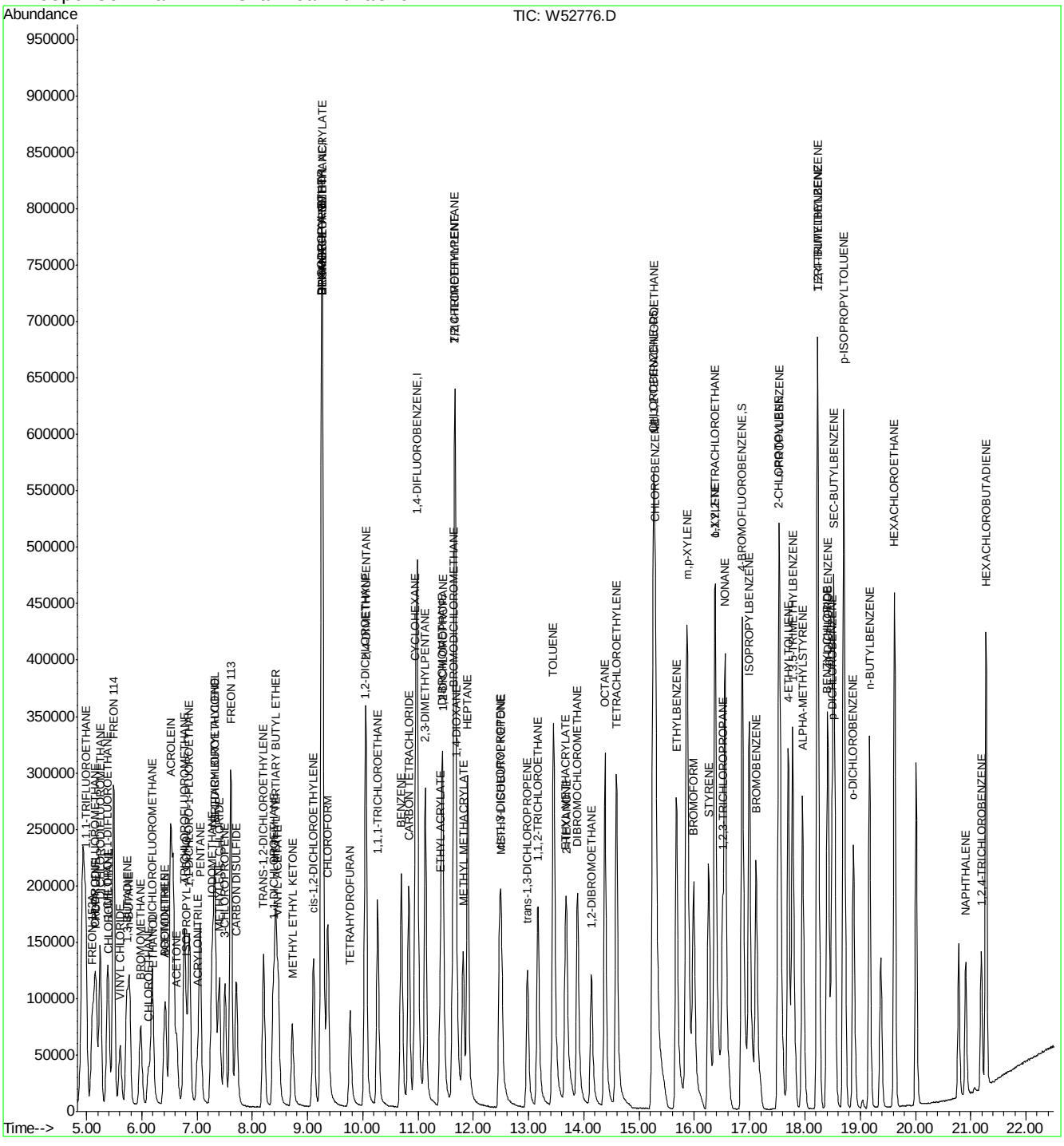
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	BENZYL CHLORIDE	18.40	91	228806	4.90	PPBV	99
96)	p-DICHLOROBENZENE	18.49	146	211401	5.06	PPBV	97
97)	SEC-BUTYLBENZENE	18.53	134	105527	5.28	PPBV	98
98)	p-ISOPROPYLTOLUENE	18.70	134	106947	5.19	PPBV	98
99)	o-DICHLOROBENZENE	18.87	146	194428	5.36	PPBV	99
100)	n-BUTYLBENZENE	19.17	134	88459	5.09	PPBV	99
101)	HEXACHLOROETHANE	19.62	201	143598	5.51	PPBV	100
102)	HEXACHLOROBUTADIENE	21.28	225	122935	5.42	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.19	180	64994	4.71	PPBV	100
104)	NAPHTHALENE	20.91	128	149535	4.80	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52776.D Vial: 1
Acq On : 4 Dec 2015 11:10 am Operator: YOUMINH
Sample : IC2109-5 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:44 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52777.D Vial: 2
Acq On : 4 Dec 2015 11:51 am Operator: YOUMINH
Sample : IC2109-0.5 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:31 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.26	128	131291	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	581270	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	243694	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	271972	9.41	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 94.10%

Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.98	69	19901	0.52	PPBV	99
3) FREON 152A	5.10	65	6440	0.52	PPBV	96
4) CHLORODIFLUOROMETHANE	5.13	67	2201	0.52	PPBV	96
5) DICHLORODIFLUOROMETHANE	5.24	85	24471	0.53	PPBV	100
6) PROPYLENE	5.18	41	9282	0.57	PPBV	95
7) FREON 114	5.48	85	25868	0.52	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.37	65	16132	0.51	PPBV	97
9) CHLOROMETHANE	5.40	52	2987	0.52	PPBV #	85
10) VINYL CHLORIDE	5.60	62	10213	0.50	PPBV	99
11) 1,3-BUTADIENE	5.72	54	7794	0.50	PPBV	92
12) n-BUTANE	5.77	58	2238	0.51	PPBV #	89
13) BROMOMETHANE	5.96	94	8596	0.50	PPBV	92
14) CHLOROETHANE	6.11	64	4730	0.46	PPBV	92
15) DICHLOROFLUOROMETHANE	6.18	67	17557	0.46	PPBV	99
16) ACROLEIN	6.52	56	2837	0.37	PPBV #	73
17) TRICHLOROFLUOROMETHANE	6.76	101	21063	0.52	PPBV	100
18) ISOPROPYL ALCOHOL	6.83	43	1669	0.34	PPBV #	78
19) ACETONE	6.64	58	3101	0.36	PPBV	91
20) 1,1-DICHLORO-1-FLUOROETHAN	6.86	81	16927	0.48	PPBV	98
21) ACRYLONITRILE	7.02	53	3841	0.29	PPBV	99
22) PENTANE	7.05	57	2653	0.51	PPBV #	86
23) IODOMETHANE	7.26	142	23341	0.49	PPBV	99
24) 1,1-DICHLOROETHYLENE	7.30	96	10499	0.55	PPBV	90
25) CARBON DISULFIDE	7.71	76	29021	0.53	PPBV	98
26) ETHANOL	6.22	45	3584	0.51	PPBV	86
27) ACETONITRILE	6.41	41	4725	0.37	PPBV #	33
28) BROMOETHENE	6.41	106	8293	0.47	PPBV	95
29) METHYLENE CHLORIDE	7.40	84	8062	0.47	PPBV	95
30) 3-CHLOROPROPENE	7.50	76	3814	0.41	PPBV #	88
31) FREON 113	7.60	151	14696	0.46	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.19	96	10177	0.54	PPBV #	84
33) TERTIARY BUTYL ALCOHOL	7.35	59	14414	0.40	PPBV	92
34) METHYL TERTIARY BUTYL ETHE	8.44	73	18731	0.37	PPBV	97
35) TETRAHYDROFURAN	9.80	72	2693	0.30	PPBV #	87
36) HEXANE	9.26	57	14076	0.44	PPBV	97
37) VINYL ACETATE	8.48	86	1423	0.28	PPBV #	69
38) 1,1-DICHLOROETHANE	8.38	63	14302	0.42	PPBV	98
39) METHYL ETHYL KETONE	8.74	72	2740	0.30	PPBV	99
40) cis-1,2-DICHLOROETHYLENE	9.10	96	9564	0.47	PPBV	89
41) DI-ISOPROPYL ETHER	9.25	87	5604	0.35	PPBV	94
42) ETHYL ACETATE	9.29	61	1830	0.30	PPBV #	49

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52777.D Vial: 2
Acq On : 4 Dec 2015 11:51 am Operator: YOUMINH
Sample : IC2109-0.5 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:31 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	METHYL ACRYLATE	9.28	55	11398	0.33	PPBV		96
44)	CHLOROFORM	9.36	83	14775	0.41	PPBV		94
45)	2,4-DIMETHYLPENTANE	10.05	57	15462	0.42	PPBV		98
46)	1,1,1-TRICHLOROETHANE	10.27	97	15562	0.43	PPBV		99
47)	CARBON TETRACHLORIDE	10.83	117	16897	0.45	PPBV		98
48)	1,2-DICHLOROETHANE	10.03	62	7323	0.34	PPBV		98
50)	BENZENE	10.69	78	22300	0.40	PPBV		100
51)	CYCLOHEXANE	10.94	84	13082	0.53	PPBV	#	5
52)	2,3-DIMETHYLPENTANE	11.13	71	5800	0.45	PPBV		89
53)	TRICHLOROETHYLENE	11.66	95	10988	0.48	PPBV		98
54)	DIBROMOMETHANE	11.43	174	9098	0.42	PPBV		98
55)	1,2-DICHLOROPROPANE	11.45	63	7726	0.40	PPBV		92
56)	ETHYL ACRYLATE	11.41	55	11667	0.33	PPBV	#	94
57)	BROMODICHLOROMETHANE	11.63	83	15301	0.42	PPBV		97
58)	2,2,4-TRIMETHYLPENTANE	11.67	57	39728	0.45	PPBV		99
59)	1,4-DIOXANE	11.73	88	3655	0.35	PPBV	#	49
60)	METHYL METHACRYLATE	11.82	69	6451	0.34	PPBV		92
61)	HEPTANE	11.89	43	14873	0.47	PPBV		96
62)	METHYL ISOBUTYL KETONE	12.53	43	11466	0.35	PPBV		94
63)	cis-1,3-DICHLOROPROPENE	12.47	75	11386	0.35	PPBV		98
64)	TOLUENE	13.45	92	13514	0.35	PPBV		95
65)	trans-1,3-DICHLOROPROPENE	12.97	75	8523	0.33	PPBV		97
66)	1,1,2-TRICHLOROETHANE	13.16	83	6056	0.34	PPBV		96
68)	ETHYL METHACRYLATE	13.67	69	9878	0.37	PPBV	#	90
69)	2-HEXANONE	13.71	58	5712	0.35	PPBV	#	65
70)	TETRACHLOROETHYLENE	14.59	164	11305	0.49	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.89	129	13843	0.41	PPBV		99
72)	1,2-DIBROMOETHANE	14.14	107	10491	0.38	PPBV		98
73)	OCTANE	14.38	43	17178	0.44	PPBV		95
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	9585	0.39	PPBV	#	1
75)	CHLOROBENZENE	15.30	112	18255	0.41	PPBV		84
76)	ETHYLBENZENE	15.67	91	26980	0.39	PPBV		99
77)	m,p-XYLENE	15.86	106	22840	0.79	PPBV		96
78)	o-XYLENE	16.38	106	10316	0.38	PPBV		99
79)	STYRENE	16.26	104	14350	0.33	PPBV		100
80)	1,2,3-TRICHLOROPROPANE	16.51	75	11304	0.41	PPBV		93
81)	NONANE	16.55	43	13277	0.34	PPBV		96
82)	BROMOFORM	15.98	173	12203	0.38	PPBV		98
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	14712	0.39	PPBV		98
85)	ISOPROPYLBENZENE	16.99	105	30296	0.38	PPBV		99
86)	BROMOBENZENE	17.12	156	8950	0.37	PPBV		97
87)	2-CHLOROTOLUENE	17.52	126	7069	0.38	PPBV	#	74
88)	n-PROPYLBENZENE	17.55	120	7447	0.35	PPBV		96
89)	4-ETHYLTOLUENE	17.70	105	23570	0.35	PPBV		100
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	22646	0.36	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.96	118	9094	0.31	PPBV		97
92)	TERT-BUTYLBENZENE	18.22	134	5361	0.36	PPBV		98
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	20204	0.35	PPBV		98
94)	m-DICHLOROBENZENE	18.42	146	11834	0.36	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52777.D Vial: 2
Acq On : 4 Dec 2015 11:51 am Operator: YOUMINH
Sample : IC2109-0.5 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:31 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

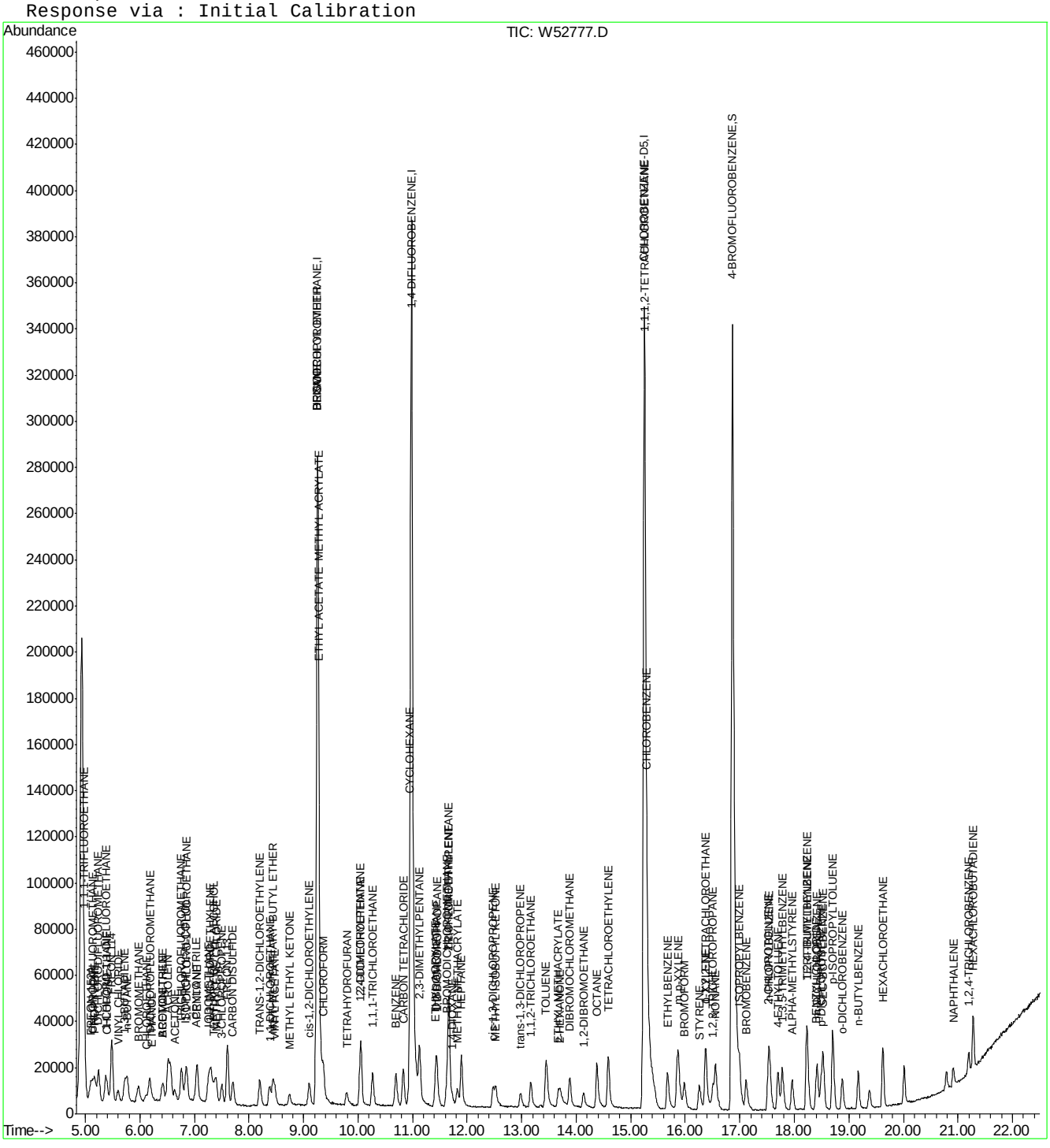
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	BENZYL CHLORIDE	18.40	91	14097	0.35	PPBV	97
96)	p-DICHLOROBENZENE	18.49	146	12715	0.35	PPBV	100
97)	SEC-BUTYLBENZENE	18.53	134	6017	0.34	PPBV	93
98)	p-ISOPROPYLTOLUENE	18.70	134	6031	0.34	PPBV	95
99)	o-DICHLOROBENZENE	18.88	146	11674	0.37	PPBV	99
100)	n-BUTYLBENZENE	19.17	134	4816	0.32	PPBV	98
101)	HEXACHLOROETHANE	19.62	201	8306	0.36	PPBV	95
102)	HEXACHLOROBUTADIENE	21.28	225	7703	0.39	PPBV	95
103)	1,2,4-TRICHLOROBENZENE	21.20	180	5807	0.48	PPBV	99
104)	NAPHTHALENE	20.92	128	12027	0.44	PPBV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52777.D Vial: 2
Acq On : 4 Dec 2015 11:51 am Operator: YOUMINH
Sample : IC2109-0.5 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:44 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52778.D Vial: 2
Acq On : 4 Dec 2015 12:32 pm Operator: YOUMINH
Sample : IC2109-0.2 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:32 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.24	128	150097	10.00	PPBV	-0.02
49) 1,4-DIFLUOROBENZENE	10.97	114	574211	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	211741	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	224180	8.93	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 89.30%

Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.96	69	8676	0.20	PPBV #	99
3) FREON 152A	5.07	65	2692	0.19	PPBV	94
4) CHLORODIFLUOROMETHANE	5.12	67	865	0.18	PPBV #	42
5) DICHLORODIFLUOROMETHANE	5.22	85	10204	0.19	PPBV	100
6) PROPYLENE	5.15	41	4347	0.23	PPBV	96
7) FREON 114	5.46	85	10548	0.18	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.35	65	6702	0.19	PPBV	97
9) CHLOROMETHANE	5.38	52	1153	0.18	PPBV #	61
10) VINYL CHLORIDE	5.58	62	4001	0.17	PPBV #	92
11) 1,3-BUTADIENE	5.69	54	3160	0.18	PPBV #	73
12) n-BUTANE	5.74	58	912	0.18	PPBV #	71
13) BROMOMETHANE	5.95	94	3588	0.18	PPBV	88
14) CHLOROETHANE	6.09	64	1987	0.17	PPBV #	71
15) DICHLOROFLUOROMETHANE	6.16	67	7518	0.17	PPBV #	98
16) ACROLEIN	6.51	56	1284	0.15	PPBV #	60
17) TRICHLOROFLUOROMETHANE	6.75	101	8877	0.19	PPBV	98
18) ISOPROPYL ALCOHOL	6.82	43	1079	0.19	PPBV #	34
19) ACETONE	6.63	58	1399	0.14	PPBV #	61
20) 1,1-DICHLORO-1-FLUOROETHAN	6.83	81	7396	0.18	PPBV	96
21) ACRYLONITRILE	7.01	53	1644	0.11	PPBV	95
22) PENTANE	7.03	57	1103	0.19	PPBV #	72
23) IODOMETHANE	7.25	142	10053	0.18	PPBV	100
24) 1,1-DICHLOROETHYLENE	7.28	96	4831	0.22	PPBV #	82
25) CARBON DISULFIDE	7.69	76	12955	0.21	PPBV	94
26) ETHANOL	6.18	45	1745	0.22	PPBV #	75
27) ACETONITRILE	6.41	41	2612	0.18	PPBV #	58
28) BROMOETHENE	6.41	106	3477	0.17	PPBV	98
29) METHYLENE CHLORIDE	7.38	84	3695	0.19	PPBV	90
30) 3-CHLOROPROPENE	7.49	76	1531	0.14	PPBV #	71
31) FREON 113	7.59	151	6219	0.17	PPBV	97
32) TRANS-1,2-DICHLOROETHYLENE	8.19	96	4729	0.22	PPBV #	75
33) TERTIARY BUTYL ALCOHOL	7.33	59	5998	0.14	PPBV	86
34) METHYL TERTIARY BUTYL ETHE	8.43	73	9098	0.16	PPBV	95
35) TETRAHYDROFURAN	9.79	72	982	0.09	PPBV #	70
36) HEXANE	9.24	57	5977	0.16	PPBV	98
37) VINYL ACETATE	8.47	86	450	0.08	PPBV #	1
38) 1,1-DICHLOROETHANE	8.36	63	6191	0.16	PPBV	97
39) METHYL ETHYL KETONE	8.74	72	987	0.09	PPBV #	88
40) cis-1,2-DICHLOROETHYLENE	9.10	96	4757	0.21	PPBV #	77
41) DI-ISOPROPYL ETHER	9.25	87	2491	0.13	PPBV	86
42) ETHYL ACETATE	9.28	61	689	0.10	PPBV #	31

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52778.D Vial: 2
Acq On : 4 Dec 2015 12:32 pm Operator: YOUMINH
Sample : IC2109-0.2 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:32 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	METHYL ACRYLATE	9.27	55	4642	0.12	PPBV	#	91
44)	CHLOROFORM	9.35	83	6730	0.16	PPBV		94
45)	2,4-DIMETHYLPENTANE	10.04	57	6422	0.15	PPBV		99
46)	1,1,1-TRICHLOROETHANE	10.26	97	6755	0.16	PPBV		96
47)	CARBON TETRACHLORIDE	10.82	117	7242	0.17	PPBV		99
48)	1,2-DICHLOROETHANE	10.02	62	3109	0.13	PPBV		92
50)	BENZENE	10.69	78	9957	0.18	PPBV		96
51)	CYCLOHEXANE	10.94	84	6028	0.25	PPBV	#	5
52)	2,3-DIMETHYLPENTANE	11.12	71	2374	0.19	PPBV	#	78
53)	TRICHLOROETHYLENE	11.66	95	4587	0.20	PPBV		98
54)	DIBROMOMETHANE	11.42	174	3879	0.18	PPBV		94
55)	1,2-DICHLOROPROPANE	11.44	63	3419	0.18	PPBV		88
56)	ETHYL ACRYLATE	11.41	55	4675	0.13	PPBV	#	87
57)	BROMODICHLOROMETHANE	11.63	83	6822	0.19	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	16622	0.19	PPBV		96
59)	1,4-DIOXANE	11.71	88	1351	0.13	PPBV	#	52
60)	METHYL METHACRYLATE	11.82	69	2476	0.13	PPBV		92
61)	HEPTANE	11.89	43	6283	0.20	PPBV		95
62)	METHYL ISOBUTYL KETONE	12.52	43	5295	0.17	PPBV		78
63)	cis-1,3-DICHLOROPROPENE	12.47	75	4786	0.15	PPBV		95
64)	TOLUENE	13.43	92	6231	0.16	PPBV		95
65)	trans-1,3-DICHLOROPROPENE	12.98	75	3852	0.15	PPBV		93
66)	1,1,2-TRICHLOROETHANE	13.17	83	2624	0.15	PPBV		96
68)	ETHYL METHACRYLATE	13.67	69	3664	0.16	PPBV	#	80
69)	2-HEXANONE	13.70	58	2076	0.15	PPBV	#	59
70)	TETRACHLOROETHYLENE	14.58	164	4938	0.25	PPBV		97
71)	DIBROMOCHLOROMETHANE	13.88	129	5959	0.20	PPBV		98
72)	1,2-DIBROMOETHANE	14.14	107	4212	0.17	PPBV	#	97
73)	OCTANE	14.38	43	6993	0.21	PPBV		95
74)	1,1,1,2-TETRACHLOROETHANE	15.28	131	4119	0.20	PPBV	#	1
75)	CHLOROBENZENE	15.30	112	7899	0.20	PPBV	#	67
76)	ETHYLBENZENE	15.67	91	11860	0.20	PPBV		97
77)	m,p-XYLENE	15.86	106	9453	0.38	PPBV	#	97
78)	o-XYLENE	16.37	106	4311	0.18	PPBV		95
79)	STYRENE	16.26	104	5922	0.16	PPBV		95
80)	1,2,3-TRICHLOROPROPANE	16.51	75	4779	0.20	PPBV	#	87
81)	NONANE	16.55	43	4166	0.12	PPBV		96
82)	BROMOFORM	15.98	173	5067	0.18	PPBV		93
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	5914	0.18	PPBV		96
85)	ISOPROPYLBENZENE	16.99	105	13411	0.20	PPBV		99
86)	BROMOBENZENE	17.11	156	3643	0.18	PPBV		94
87)	2-CHLOROTOLUENE	17.53	126	2944	0.18	PPBV	#	86
88)	n-PROPYLBENZENE	17.55	120	2981	0.16	PPBV		82
89)	4-ETHYLTOLUENE	17.70	105	9237	0.16	PPBV	#	98
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	9866	0.18	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.96	118	3651	0.14	PPBV		96
92)	TERT-BUTYLBENZENE	18.23	134	2288	0.18	PPBV		96
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	8302	0.17	PPBV		94
94)	m-DICHLOROBENZENE	18.42	146	4861	0.17	PPBV		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52778.D Vial: 2
Acq On : 4 Dec 2015 12:32 pm Operator: YOUMINH
Sample : IC2109-0.2 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:32 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

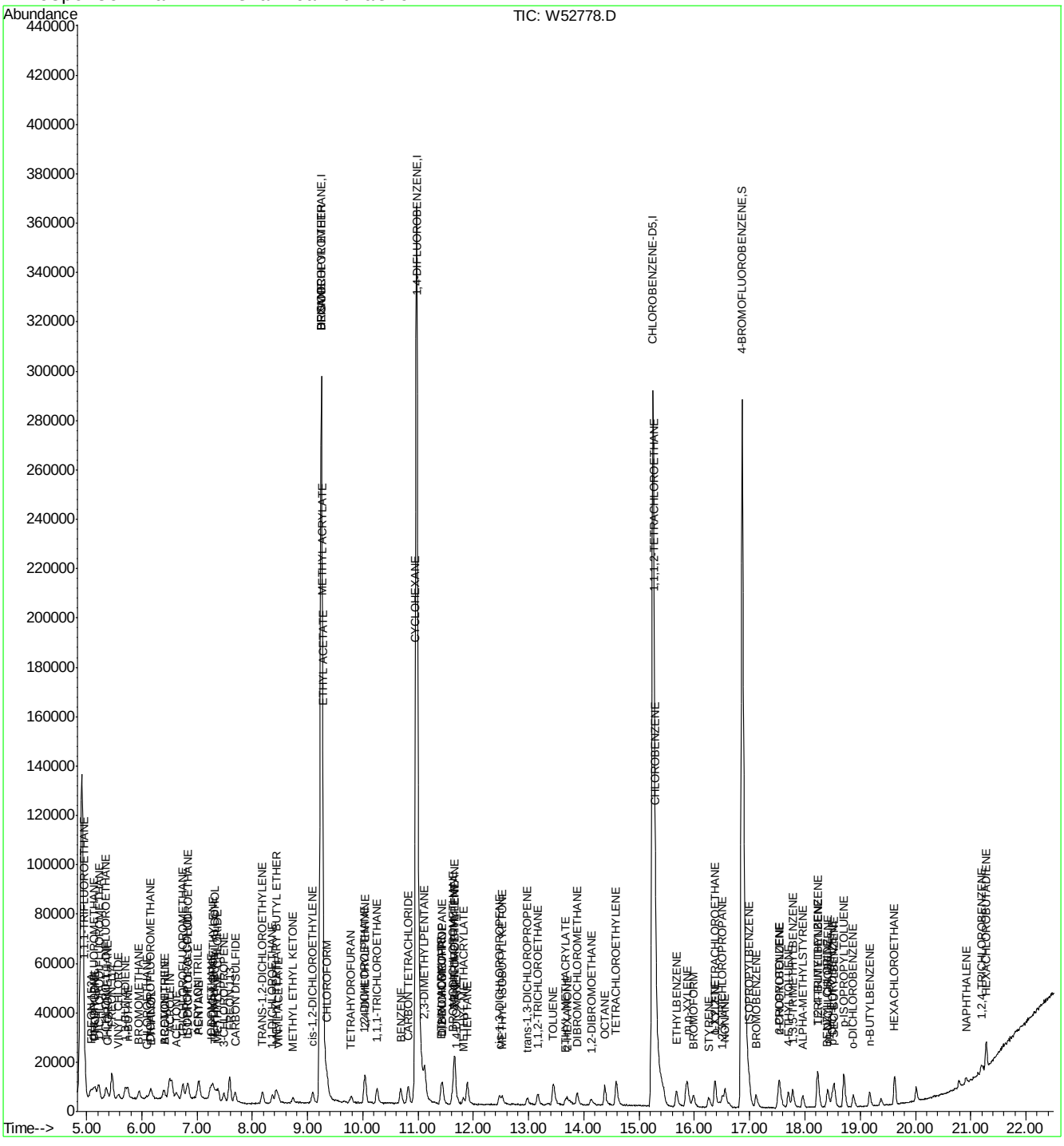
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	BENZYL CHLORIDE	18.39	91	5602	0.16	PPBV	95
96)	p-DICHLOROBENZENE	18.49	146	5364	0.17	PPBV	97
97)	SEC-BUTYLBENZENE	18.53	134	2536	0.17	PPBV	94
98)	p-ISOPROPYLTOLUENE	18.70	134	2425	0.16	PPBV	89
99)	o-DICHLOROBENZENE	18.87	146	4753	0.17	PPBV	97
100)	n-BUTYLBENZENE	19.17	134	1976	0.15	PPBV	97
101)	HEXACHLOROETHANE	19.62	201	3510	0.18	PPBV	88
102)	HEXACHLOROBUTADIENE	21.28	225	3519	0.20	PPBV	93
103)	1,2,4-TRICHLOROBENZENE	21.20	180	2224	0.21	PPBV	96
104)	NAPHTHALENE	20.92	128	3834	0.16	PPBV	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52778.D Vial: 2
Acq On : 4 Dec 2015 12:32 pm Operator: YOUMINH
Sample : IC2109-0.2 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:44 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52779.D Vial: 1
Acq On : 4 Dec 2015 1:13 pm Operator: YOUMINH
Sample : IC2109-20 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:33 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	117565	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	578562	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	297106	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.86	95	349282	9.91	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.10%			
Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.98	69	662331	19.19	PPBV	99
3) FREON 152A	5.09	65	221804	19.97	PPBV	99
4) CHLORODIFLUOROMETHANE	5.14	67	75946	19.87	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	805747	19.52	PPBV	100
6) PROPYLENE	5.17	41	287522	19.77	PPBV	100
7) FREON 114	5.48	85	865302	19.28	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.37	65	559501	19.77	PPBV	99
9) CHLOROMETHANE	5.40	52	97931	19.17	PPBV	94
10) VINYL CHLORIDE	5.60	62	349225	19.00	PPBV	100
11) 1,3-BUTADIENE	5.72	54	270487	19.36	PPBV	100
12) n-BUTANE	5.77	58	74860	18.93	PPBV	99
13) BROMOMETHANE	5.97	94	294067	19.03	PPBV	100
14) CHLOROETHANE	6.11	64	175456	19.02	PPBV	99
15) DICHLOROFLUOROMETHANE	6.18	67	657100	19.37	PPBV	100
16) ACROLEIN	6.50	56	135522	19.73	PPBV	98
17) TRICHLOROFLUOROMETHANE	6.76	101	739354	20.38	PPBV	100
18) ISOPROPYL ALCOHOL	6.80	43	91824	21.19	PPBV	98
19) ACETONE	6.61	58	152668	19.77	PPBV	92
20) 1,1-DICHLORO-1-FLUOROETHAN	6.85	81	648337	20.49	PPBV	100
21) ACRYLONITRILE	7.00	53	248913	20.90	PPBV	99
22) PENTANE	7.05	57	91546	19.79	PPBV	98
23) IODOMETHANE	7.26	142	855809	20.10	PPBV	98
24) 1,1-DICHLOROETHYLENE	7.30	96	343262	19.99	PPBV	98
25) CARBON DISULFIDE	7.70	76	991076	20.26	PPBV	100
26) ETHANOL	6.19	45	122560	19.40	PPBV	99
27) ACETONITRILE	6.39	41	236995	20.66	PPBV	98
28) BROMOETHENE	6.41	106	305424	19.45	PPBV	99
29) METHYLENE CHLORIDE	7.39	84	312647	20.39	PPBV	93
30) 3-CHLOROPROPENE	7.50	76	171508	20.41	PPBV	100
31) FREON 113	7.60	151	574612	20.29	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.19	96	351438	20.74	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.32	59	700928	21.50	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.41	73	961763	21.29	PPBV	100
35) TETRAHYDROFURAN	9.75	72	176789	21.65	PPBV	99
36) HEXANE	9.26	57	586228	20.58	PPBV	99
37) VINYL ACETATE	8.46	86	99030	21.38	PPBV	99
38) 1,1-DICHLOROETHANE	8.38	63	625248	20.48	PPBV	100
39) METHYL ETHYL KETONE	8.71	72	179640	21.99	PPBV	100
40) cis-1,2-DICHLOROETHYLENE	9.10	96	374224	20.73	PPBV	99
41) DI-ISOPROPYL ETHER	9.24	87	315413	21.69	PPBV	100
42) ETHYL ACETATE	9.26	61	119756	21.74	PPBV #	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52779.D Vial: 1
Acq On : 4 Dec 2015 1:13 pm Operator: YOUMINH
Sample : IC2109-20 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:33 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	METHYL ACRYLATE	9.27	55	670523	21.65 PPBV	100
44)	CHLOROFORM	9.36	83	672758	20.71 PPBV	99
45)	2,4-DIMETHYLPENTANE	10.05	57	685129	20.61 PPBV	100
46)	1,1,1-TRICHLOROETHANE	10.27	97	676795	20.72 PPBV	100
47)	CARBON TETRACHLORIDE	10.83	117	704618	21.01 PPBV	99
48)	1,2-DICHLOROETHANE	10.03	62	402097	20.98 PPBV	100
50)	BENZENE	10.69	78	1154640	20.65 PPBV	100
51)	CYCLOHEXANE	10.94	84	507632	20.54 PPBV	98
52)	2,3-DIMETHYLPENTANE	11.13	71	266137	20.79 PPBV	99
53)	TRICHLOROETHYLENE	11.66	95	473539	20.98 PPBV	99
54)	DIBROMOMETHANE	11.43	174	444133	20.79 PPBV	98
55)	1,2-DICHLOROPROPANE	11.44	63	412650	21.26 PPBV	100
56)	ETHYL ACRYLATE	11.39	55	785246	22.48 PPBV	100
57)	BROMODICHLOROMETHANE	11.63	83	755725	21.03 PPBV	100
58)	2,2,4-TRIMETHYLPENTANE	11.67	57	1856510	21.15 PPBV	100
59)	1,4-DIOXANE	11.68	88	237862	22.89 PPBV #	83
60)	METHYL METHACRYLATE	11.81	69	416967	22.35 PPBV	99
61)	HEPTANE	11.89	43	657194	21.07 PPBV	100
62)	METHYL ISOBUTYL KETONE	12.50	43	746960	23.11 PPBV	100
63)	cis-1,3-DICHLOROPROPENE	12.47	75	690385	21.36 PPBV	100
64)	TOLUENE	13.44	92	841282	21.58 PPBV	100
65)	trans-1,3-DICHLOROPROPENE	12.98	75	558347	21.95 PPBV	100
66)	1,1,2-TRICHLOROETHANE	13.17	83	377574	21.40 PPBV	99
68)	ETHYL METHACRYLATE	13.66	69	689667	21.12 PPBV	99
69)	2-HEXANONE	13.68	58	429329	21.44 PPBV	100
70)	TETRACHLOROETHYLENE	14.59	164	542659	19.33 PPBV	99
71)	DIBROMOCHLOROMETHANE	13.89	129	803705	19.51 PPBV	100
72)	1,2-DIBROMOETHANE	14.14	107	675292	19.95 PPBV	100
73)	OCTANE	14.38	43	931670	19.63 PPBV	99
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	583475	19.71 PPBV #	78
75)	CHLOROBENZENE	15.30	112	1088258	19.82 PPBV	100
76)	ETHYLBENZENE	15.67	91	1702122	20.06 PPBV	100
77)	m,p-XYLENE	15.86	106	1415135	40.28 PPBV	98
78)	o-XYLENE	16.37	106	663314	20.25 PPBV	99
79)	STYRENE	16.26	104	1091106	20.51 PPBV	99
80)	1,2,3-TRICHLOROPROPANE	16.51	75	687245	20.40 PPBV	99
81)	NONANE	16.55	43	948351	20.00 PPBV	99
82)	BROMOFORM	15.98	173	785476	20.16 PPBV	100
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	952267	20.52 PPBV	100
85)	ISOPROPYLBENZENE	16.99	105	1973424	20.47 PPBV	100
86)	BROMOBENZENE	17.12	156	598759	20.50 PPBV	99
87)	2-CHLOROTOLUENE	17.52	126	470887	20.59 PPBV #	88
88)	n-PROPYLBENZENE	17.54	120	532538	20.70 PPBV	97
89)	4-ETHYLTOLUENE	17.70	105	1698573	20.78 PPBV	98
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	1573579	20.57 PPBV	99
91)	ALPHA-METHYLSTYRENE	17.95	118	751723	20.98 PPBV	99
92)	TERT-BUTYLBENZENE	18.23	134	381055	20.82 PPBV	99
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	1456647	20.84 PPBV	100
94)	m-DICHLOROBENZENE	18.42	146	884175	21.94 PPBV	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52779.D Vial: 1
Acq On : 4 Dec 2015 1:13 pm Operator: YOUMINH
Sample : IC2109-20 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:33 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

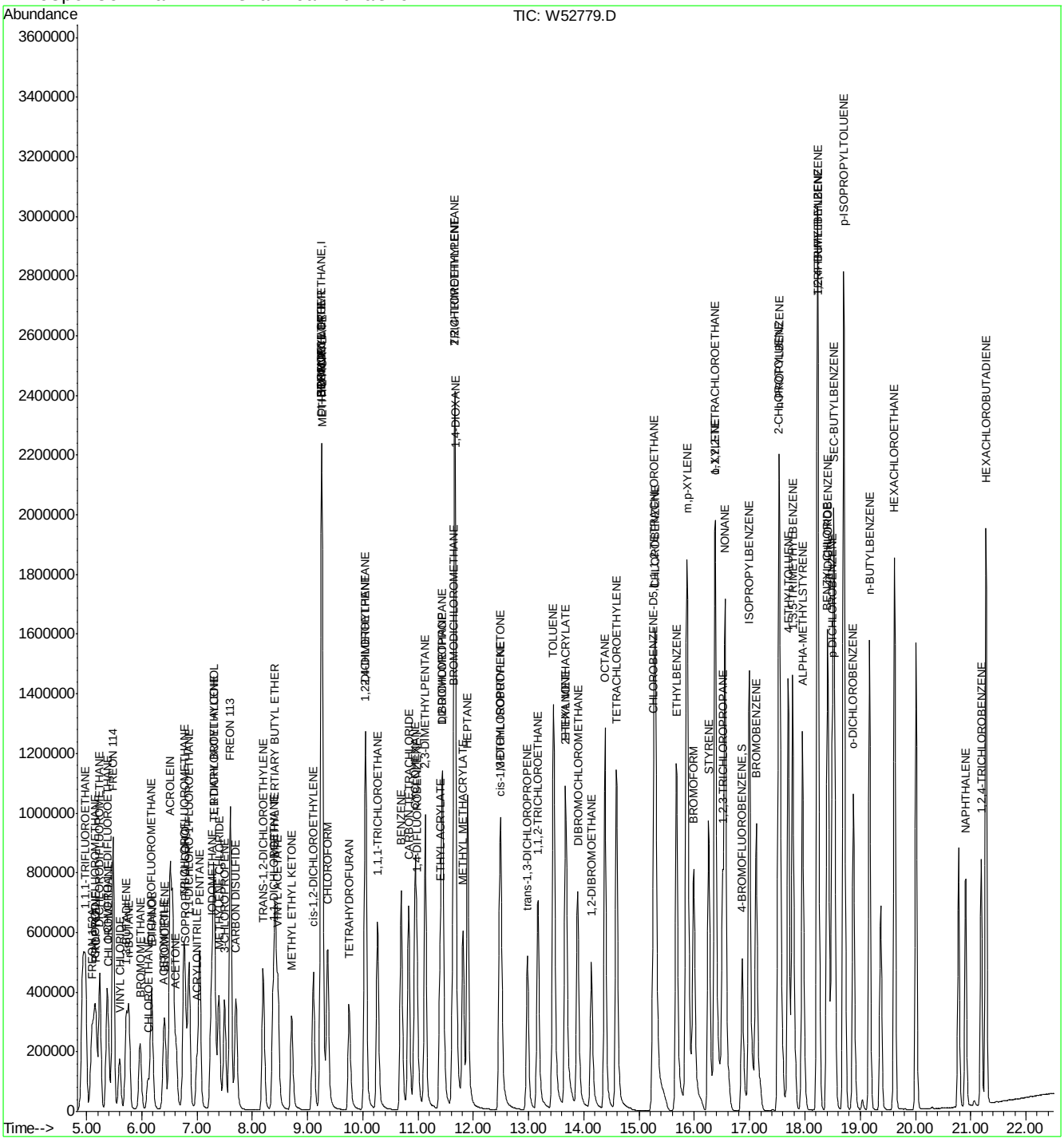
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	BENZYL CHLORIDE	18.40	91	1097237	22.05	PPBV	100
96)	p-DICHLOROBENZENE	18.49	146	895104	20.11	PPBV	97
97)	SEC-BUTYLBENZENE	18.53	134	445647	20.93	PPBV	98
98)	p-ISOPROPYLTOLUENE	18.70	134	465080	21.20	PPBV	100
99)	o-DICHLOROBENZENE	18.87	146	810725	21.00	PPBV	100
100)	n-BUTYLBENZENE	19.17	134	400820	21.65	PPBV	99
101)	HEXACHLOROETHANE	19.62	201	566185	20.39	PPBV	99
102)	HEXACHLOROBUTADIENE	21.28	225	562581	23.29	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.19	180	415216	28.23	PPBV	99
104)	NAPHTHALENE	20.91	128	920621	27.73	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52779.D Vial: 1
Acq On : 4 Dec 2015 1:13 pm Operator: YOUMINH
Sample : IC2109-20 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:44 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52780.D Vial: 1
Acq On : 4 Dec 2015 1:53 pm Operator: YOUMINH
Sample : IC2109-15 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:34 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	150067	10.00	PPBV	-0.01
49) 1,4-DIFLUOROBENZENE	10.97	114	671762	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	314027	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.86	95	366203	9.83	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.30%			
Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.96	69	559578	12.70	PPBV	99
3) FREON 152A	5.07	65	181437	12.80	PPBV	98
4) CHLORODIFLUOROMETHANE	5.11	67	61110	12.53	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.22	85	655379	12.44	PPBV	100
6) PROPYLENE	5.15	41	230954	12.44	PPBV	99
7) FREON 114	5.46	85	724517	12.65	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.35	65	450345	12.47	PPBV	100
9) CHLOROMETHANE	5.38	52	81468	12.50	PPBV	97
10) VINYL CHLORIDE	5.58	62	292154	12.46	PPBV	100
11) 1,3-BUTADIENE	5.69	54	224452	12.59	PPBV	97
12) n-BUTANE	5.74	58	62096	12.30	PPBV	97
13) BROMOMETHANE	5.94	94	249766	12.66	PPBV	100
14) CHLOROETHANE	6.09	64	151482	12.86	PPBV	100
15) DICHLOROFLUOROMETHANE	6.15	67	562221	12.98	PPBV	100
16) ACROLEIN	6.49	56	111340	12.70	PPBV	96
17) TRICHLOROFLUOROMETHANE	6.74	101	602129	13.00	PPBV	99
18) ISOPROPYL ALCOHOL	6.78	43	71611	12.94	PPBV	100
19) ACETONE	6.60	58	126552	12.84	PPBV	97
20) 1,1-DICHLORO-1-FLUOROETHAN	6.83	81	525313	13.01	PPBV	99
21) ACRYLONITRILE	6.98	53	197265	12.97	PPBV	100
22) PENTANE	7.03	57	75008	12.71	PPBV	97
23) IODOMETHANE	7.24	142	711348	13.09	PPBV	100
24) 1,1-DICHLOROETHYLENE	7.29	96	283311	12.92	PPBV	100
25) CARBON DISULFIDE	7.69	76	791319	12.67	PPBV	100
26) ETHANOL	6.17	45	104837	13.00	PPBV	99
27) ACETONITRILE	6.38	41	197305	13.48	PPBV	97
28) BROMOETHENE	6.40	106	262383	13.09	PPBV	100
29) METHYLENE CHLORIDE	7.38	84	252092	12.88	PPBV	95
30) 3-CHLOROPROPENE	7.48	76	138675	12.93	PPBV	97
31) FREON 113	7.58	151	467835	12.94	PPBV	100
32) TRANS-1,2-DICHLOROETHYLENE	8.18	96	282036	13.04	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.30	59	540834	13.00	PPBV	99
34) METHYL TERTIARY BUTYL ETHE	8.40	73	757824	13.14	PPBV	100
35) TETRAHYDROFURAN	9.74	72	138760	13.31	PPBV	98
36) HEXANE	9.25	57	461787	12.70	PPBV	99
37) VINYL ACETATE	8.45	86	78013	13.19	PPBV	97
38) 1,1-DICHLOROETHANE	8.36	63	496381	12.74	PPBV	100
39) METHYL ETHYL KETONE	8.71	72	139412	13.37	PPBV	96
40) cis-1,2-DICHLOROETHYLENE	9.09	96	297369	12.90	PPBV	99
41) DI-ISOPROPYL ETHER	9.23	87	245791	13.24	PPBV	100
42) ETHYL ACETATE	9.25	61	92616	13.17	PPBV #	80

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52780.D Vial: 1
Acq On : 4 Dec 2015 1:53 pm Operator: YOUMINH
Sample : IC2109-15 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:34 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	METHYL ACRYLATE	9.25	55	521625	13.20 PPBV	100
44)	CHLOROFORM	9.35	83	531031	12.81 PPBV	99
45)	2,4-DIMETHYLPENTANE	10.04	57	535919	12.63 PPBV	99
46)	1,1,1-TRICHLOROETHANE	10.26	97	535105	12.84 PPBV	99
47)	CARBON TETRACHLORIDE	10.82	117	555837	12.98 PPBV	100
48)	1,2-DICHLOROETHANE	10.02	62	312333	12.77 PPBV	100
50)	BENZENE	10.69	78	909401	14.01 PPBV	100
51)	CYCLOHEXANE	10.94	84	402782	14.04 PPBV	98
52)	2,3-DIMETHYLPENTANE	11.12	71	208168	14.01 PPBV	99
53)	TRICHLOROETHYLENE	11.66	95	373731	14.26 PPBV	100
54)	DIBROMOMETHANE	11.42	174	351485	14.17 PPBV	100
55)	1,2-DICHLOROPROPANE	11.44	63	319720	14.19 PPBV	99
56)	ETHYL ACRYLATE	11.39	55	596413	14.71 PPBV	100
57)	BROMODICHLOROMETHANE	11.63	83	590542	14.16 PPBV	100
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	1450289	14.23 PPBV	100
59)	1,4-DIOXANE	11.67	88	181485	15.04 PPBV #	63
60)	METHYL METHACRYLATE	11.80	69	320826	14.81 PPBV	99
61)	HEPTANE	11.89	43	505398	13.95 PPBV	99
62)	METHYL ISOBUTYL KETONE	12.49	43	542418	14.45 PPBV	99
63)	cis-1,3-DICHLOROPROPENE	12.47	75	532549	14.19 PPBV	99
64)	TOLUENE	13.44	92	650937	14.38 PPBV	100
65)	trans-1,3-DICHLOROPROPENE	12.97	75	422324	14.30 PPBV	99
66)	1,1,2-TRICHLOROETHANE	13.16	83	293495	14.33 PPBV	99
68)	ETHYL METHACRYLATE	13.66	69	507606	14.71 PPBV	100
69)	2-HEXANONE	13.67	58	307232	14.52 PPBV	99
70)	TETRACHLOROETHYLENE	14.59	164	422005	14.22 PPBV	100
71)	DIBROMOCHLOROMETHANE	13.88	129	612906	14.07 PPBV	100
72)	1,2-DIBROMOETHANE	14.13	107	516166	14.43 PPBV	99
73)	OCTANE	14.38	43	709445	14.14 PPBV	99
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	446927	14.28 PPBV #	83
75)	CHLOROBENZENE	15.30	112	832906	14.35 PPBV	99
76)	ETHYLBENZENE	15.67	91	1293901	14.43 PPBV	100
77)	m,p-XYLENE	15.86	106	1075864	28.98 PPBV	99
78)	o-XYLENE	16.37	106	499397	14.43 PPBV	99
79)	STYRENE	16.25	104	821370	14.61 PPBV	99
80)	1,2,3-TRICHLOROPROPANE	16.51	75	514670	14.45 PPBV	100
81)	NONANE	16.55	43	711769	14.20 PPBV	99
82)	BROMOFORM	15.98	173	593397	14.41 PPBV	100
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	710988	14.49 PPBV	100
85)	ISOPROPYLBENZENE	16.99	105	1475383	14.48 PPBV	100
86)	BROMOBENZENE	17.11	156	448258	14.52 PPBV	99
87)	2-CHLOROTOLUENE	17.51	126	351760	14.55 PPBV #	70
88)	n-PROPYLBENZENE	17.54	120	396768	14.59 PPBV	97
89)	4-ETHYLTOLUENE	17.70	105	1260222	14.59 PPBV	100
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	1162702	14.38 PPBV	100
91)	ALPHA-METHYLSTYRENE	17.95	118	554115	14.63 PPBV	100
92)	TERT-BUTYLBENZENE	18.22	134	281883	14.57 PPBV	99
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	1072538	14.51 PPBV	100
94)	m-DICHLOROBENZENE	18.42	146	627151	14.72 PPBV	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52780.D Vial: 1
Acq On : 4 Dec 2015 1:53 pm Operator: YOUMINH
Sample : IC2109-15 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:34 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

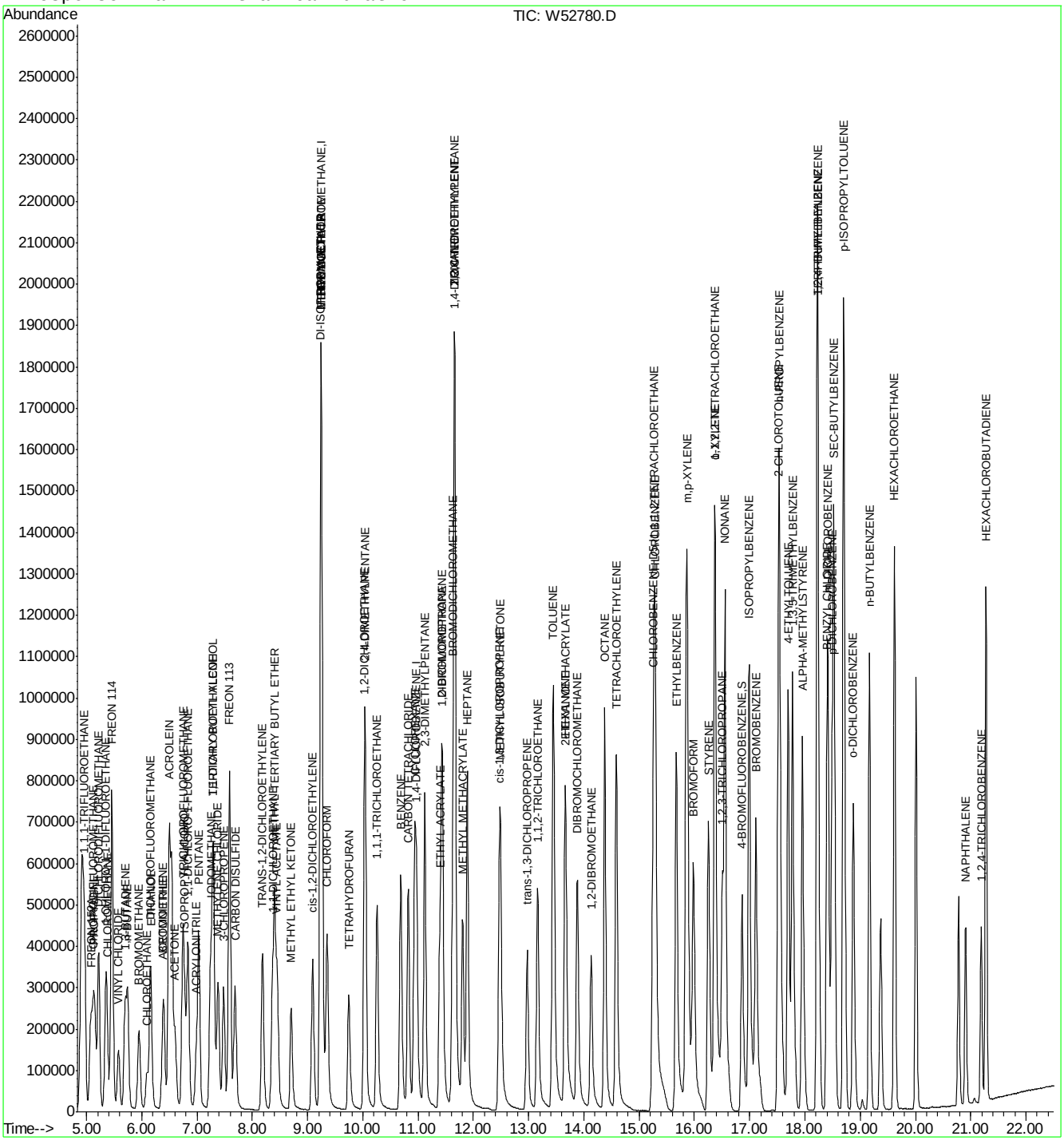
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	BENZYL CHLORIDE	18.39	91	785903	14.94	PPBV	99
96)	p-DICHLOROBENZENE	18.49	146	681896	14.50	PPBV	97
97)	SEC-BUTYLBENZENE	18.53	134	325851	14.48	PPBV	100
98)	p-ISOPROPYLTOLUENE	18.70	134	341218	14.72	PPBV	99
99)	o-DICHLOROBENZENE	18.87	146	592896	14.53	PPBV	100
100)	n-BUTYLBENZENE	19.17	134	289268	14.78	PPBV	99
101)	HEXACHLOROETHANE	19.62	201	420154	14.31	PPBV	100
102)	HEXACHLOROBUTADIENE	21.28	225	368349	14.43	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.19	180	217236	13.97	PPBV	100
104)	NAPHTHALENE	20.91	128	528624	15.06	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52780.D Vial: 1
Acq On : 4 Dec 2015 1:53 pm Operator: YOUMINH
Sample : IC2109-15 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:44 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52782.D Vial: 3
Acq On : 4 Dec 2015 3:16 pm Operator: YOUMINH
Sample : IC2109-0.1 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:36 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	132866	10.00	PPBV	-0.01
49) 1,4-DIFLUOROBENZENE	10.97	114	554639	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	229721	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.86	95	244880	8.99	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 89.90%			
Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.97	69	4655	0.12	PPBV #	95
3) FREON 152A	5.08	65	1321	0.11	PPBV #	81
4) CHLORODIFLUOROMETHANE	5.13	67	405	0.09	PPBV #	42
5) DICHLORODIFLUOROMETHANE	5.22	85	5448	0.12	PPBV	98
7) FREON 114	5.46	85	5791	0.11	PPBV	95
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.35	65	3448	0.11	PPBV #	93
9) CHLOROMETHANE	5.38	52	492	0.09	PPBV #	18
10) VINYL CHLORIDE	5.58	62	2124	0.10	PPBV #	90
11) 1,3-BUTADIENE	5.69	54	1644	0.10	PPBV #	50
12) n-BUTANE	5.75	58	491	0.11	PPBV #	35
13) BROMOMETHANE	5.95	94	1877	0.11	PPBV #	54
14) CHLOROETHANE	6.10	64	993	0.10	PPBV #	48
15) DICHLOROFLUOROMETHANE	6.16	67	4137	0.11	PPBV #	95
16) ACROLEIN	6.51	56	827	0.11	PPBV #	43
17) TRICHLOROFLUOROMETHANE	6.74	101	4667	0.11	PPBV	99
19) ACETONE	6.63	58	824	0.09	PPBV #	1
20) 1,1-DICHLORO-1-FLUOROETHAN	6.83	81	3998	0.11	PPBV #	91
21) ACRYLONITRILE	7.02	53	954	0.07	PPBV #	80
22) PENTANE	7.04	57	590	0.11	PPBV #	45
23) IODOMETHANE	7.24	142	5133	0.11	PPBV	96
28) BROMOETHENE	6.41	106	1881	0.11	PPBV #	96
29) METHYLENE CHLORIDE	7.39	84	2066	0.12	PPBV	93
30) 3-CHLOROPROPENE	7.49	76	822	0.09	PPBV #	58
31) FREON 113	7.59	151	3181	0.10	PPBV	95
33) TERTIARY BUTYL ALCOHOL	7.34	59	3156	0.09	PPBV	82
34) METHYL TERTIARY BUTYL ETHE	8.44	73	5379	0.11	PPBV	90
36) HEXANE	9.25	57	3184	0.10	PPBV	97
38) 1,1-DICHLOROETHANE	8.36	63	3242	0.09	PPBV	97
44) CHLOROFORM	9.35	83	3692	0.10	PPBV #	87
45) 2,4-DIMETHYLPENTANE	10.04	57	3538	0.09	PPBV	98
46) 1,1,1-TRICHLOROETHANE	10.26	97	3658	0.10	PPBV	94
47) CARBON TETRACHLORIDE	10.82	117	3793	0.10	PPBV	98
50) BENZENE	10.68	78	5253	0.10	PPBV	95
52) 2,3-DIMETHYLPENTANE	11.11	71	1241	0.10	PPBV #	64
53) TRICHLOROETHYLENE	11.66	95	2585	0.12	PPBV	96
54) DIBROMOMETHANE	11.43	174	2142	0.10	PPBV	98
55) 1,2-DICHLOROPROPANE	11.44	63	1881	0.10	PPBV	76
57) BROMODICHLOROMETHANE	11.63	83	3502	0.10	PPBV	99
58) 2,2,4-TRIMETHYLPENTANE	11.66	57	9411	0.11	PPBV	98
61) HEPTANE	11.89	43	3405	0.11	PPBV	93
62) METHYL ISOBUTYL KETONE	12.53	43	2439	0.08	PPBV	77

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52782.D Vial: 3
Acq On : 4 Dec 2015 3:16 pm Operator: YOUMINH
Sample : IC2109-0.1 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:36 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

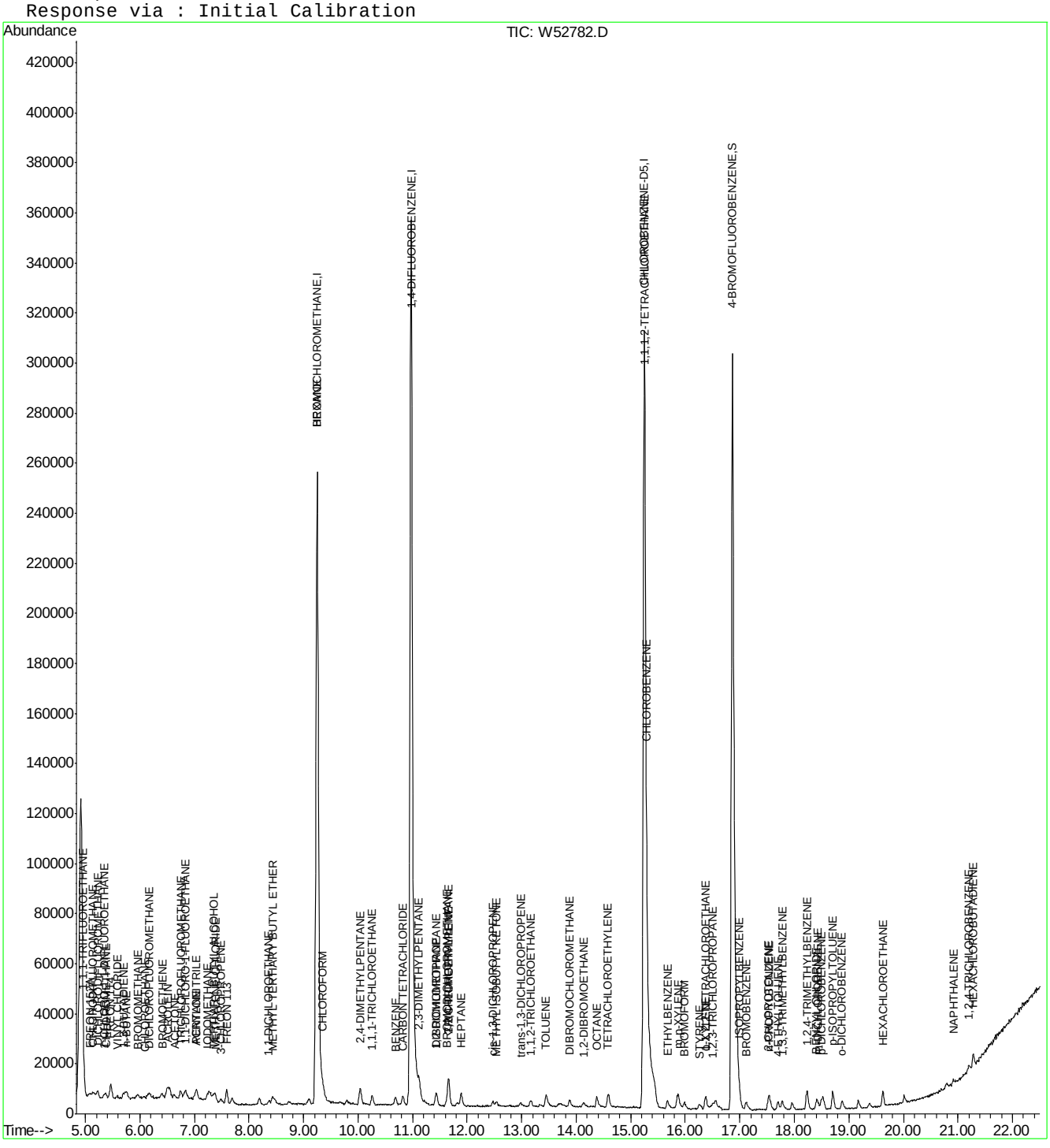
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	cis-1,3-DICHLOROPROPENE	12.47	75	2704	0.09	PPBV		91
64)	TOLUENE	13.44	92	3373	0.09	PPBV		96
65)	trans-1,3-DICHLOROPROPENE	12.99	75	1975	0.08	PPBV		94
66)	1,1,2-TRICHLOROETHANE	13.16	83	1293	0.08	PPBV		94
70)	TETRACHLOROETHYLENE	14.59	164	2579	0.12	PPBV		94
71)	DIBROMOCHLOROMETHANE	13.88	129	3073	0.10	PPBV		96
72)	1,2-DIBROMOETHANE	14.13	107	2418	0.09	PPBV	#	94
73)	OCTANE	14.38	43	3926	0.11	PPBV	#	83
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	2024	0.09	PPBV	#	1
75)	CHLOROBENZENE	15.29	112	4095	0.10	PPBV	#	10
76)	ETHYLBENZENE	15.67	91	6690	0.10	PPBV		91
77)	m,p-XYLENE	15.88	106	5423	0.20	PPBV		93
78)	o-XYLENE	16.38	106	2284	0.09	PPBV	#	80
79)	STYRENE	16.27	104	3115	0.08	PPBV		93
80)	1,2,3-TRICHLOROPROPANE	16.50	75	2726	0.10	PPBV	#	76
82)	BROMOFORM	15.98	173	2549	0.08	PPBV		92
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	3206	0.09	PPBV	#	96
85)	ISOPROPYLBENZENE	17.00	105	7319	0.10	PPBV		95
86)	BROMOBENZENE	17.12	156	2111	0.09	PPBV		93
87)	2-CHLOROTOLUENE	17.52	126	1716	0.10	PPBV	#	42
88)	n-PROPYLBENZENE	17.55	120	1607	0.08	PPBV		78
89)	4-ETHYLTOLUENE	17.71	105	5411	0.09	PPBV	#	97
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	5209	0.09	PPBV	#	95
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	4327	0.08	PPBV		92
94)	m-DICHLOROBENZENE	18.43	146	2980	0.10	PPBV		96
95)	BENZYL CHLORIDE	18.40	91	3218	0.08	PPBV	#	63
96)	p-DICHLOROBENZENE	18.49	146	3258	0.09	PPBV		93
98)	p-ISOPROPYLTOLUENE	18.71	134	1368	0.08	PPBV		93
99)	o-DICHLOROBENZENE	18.87	146	2865	0.10	PPBV		95
101)	HEXACHLOROETHANE	19.62	201	1839	0.09	PPBV		86
102)	HEXACHLOROBUTADIENE	21.29	225	2006	0.11	PPBV	#	85
103)	1,2,4-TRICHLOROBENZENE	21.20	180	1556	0.14	PPBV		95
104)	NAPHTHALENE	20.92	128	2924	0.11	PPBV		85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52782.D Vial: 3
Acq On : 4 Dec 2015 3:16 pm Operator: YOUMINH
Sample : IC2109-0.1 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:48 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon 12/07/15 14:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52783.D Vial: 3
Acq On : 4 Dec 2015 3:57 pm Operator: YOUMINH
Sample : IC2109-0.04 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:37 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	122977	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	527870	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	217311	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.86	95	220295	8.55	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 85.50%			
Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.99	69	1610	0.04	PPBV #	93
3) FREON 152A	5.08	65	345	0.03	PPBV #	50
5) DICHLORODIFLUOROMETHANE	5.24	85	1958	0.05	PPBV #	84
7) FREON 114	5.47	85	2005	0.04	PPBV	83
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.37	65	1241	0.04	PPBV #	65
10) VINYL CHLORIDE	5.60	62	618	0.03	PPBV #	58
11) 1,3-BUTADIENE	5.72	54	540	0.04	PPBV #	1
13) BROMOMETHANE	5.96	94	488	0.03	PPBV #	1
15) DICHLOROFLUOROMETHANE	6.18	67	1531	0.04	PPBV #	83
17) TRICHLOROFLUOROMETHANE	6.76	101	1577	0.04	PPBV	92
20) 1,1-DICHLORO-1-FLUOROETHAN	6.85	81	1418	0.04	PPBV #	64
23) IODOMETHANE	7.27	142	1669	0.04	PPBV	93
27) ACETONITRILE	6.41	41	527	0.04	PPBV #	33
28) BROMOETHENE	6.41	106	572	0.03	PPBV #	96
29) METHYLENE CHLORIDE	7.38	84	730	0.05	PPBV	89
31) FREON 113	7.60	151	1197	0.04	PPBV	96
33) TERTIARY BUTYL ALCOHOL	7.37	59	998	0.03	PPBV #	69
34) METHYL TERTIARY BUTYL ETHE	8.45	73	2065	0.04	PPBV	68
36) HEXANE	9.26	57	1066	0.04	PPBV	91
38) 1,1-DICHLOROETHANE	8.38	63	1087	0.03	PPBV #	66
44) CHLOROFORM	9.37	83	1142	0.03	PPBV #	85
45) 2,4-DIMETHYLPENTANE	10.05	57	1125	0.03	PPBV #	89
46) 1,1,1-TRICHLOROETHANE	10.26	97	1179	0.03	PPBV	85
47) CARBON TETRACHLORIDE	10.83	117	1314	0.04	PPBV	90
50) BENZENE	10.69	78	2012	0.04	PPBV	82
52) 2,3-DIMETHYLPENTANE	11.13	71	317	0.03	PPBV #	1
53) TRICHLOROETHYLENE	11.67	95	701	0.03	PPBV	91
54) DIBROMOMETHANE	11.42	174	644	0.03	PPBV	88
55) 1,2-DICHLOROPROPANE	11.46	63	628	0.04	PPBV #	41
57) BROMODICHLOROMETHANE	11.63	83	1129	0.03	PPBV	97
58) 2,2,4-TRIMETHYLPENTANE	11.66	57	3222	0.04	PPBV #	95
61) HEPTANE	11.89	43	1258	0.04	PPBV	85
63) cis-1,3-DICHLOROPROPENE	12.48	75	947	0.03	PPBV #	50
64) TOLUENE	13.45	92	1051	0.03	PPBV #	92
65) trans-1,3-DICHLOROPROPENE	12.99	75	584	0.03	PPBV #	46
70) TETRACHLOROETHYLENE	14.59	164	834	0.04	PPBV	94
71) DIBROMOCHLOROMETHANE	13.88	129	878	0.03	PPBV #	87
72) 1,2-DIBROMOETHANE	14.14	107	661	0.03	PPBV #	98
73) OCTANE	14.38	43	1374	0.04	PPBV #	79
74) 1,1,1,2-TETRACHLOROETHANE	15.27	131	653	0.03	PPBV #	1
75) CHLOROBENZENE	15.30	112	1436	0.04	PPBV #	46

(#) = qualifier out of range (m) = manual integration
W52783.D MW2109.M Mon Dec 07 14:35:53 2015 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52783.D Vial: 3
Acq On : 4 Dec 2015 3:57 pm Operator: YOUMINH
Sample : IC2109-0.04 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 16:44:37 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

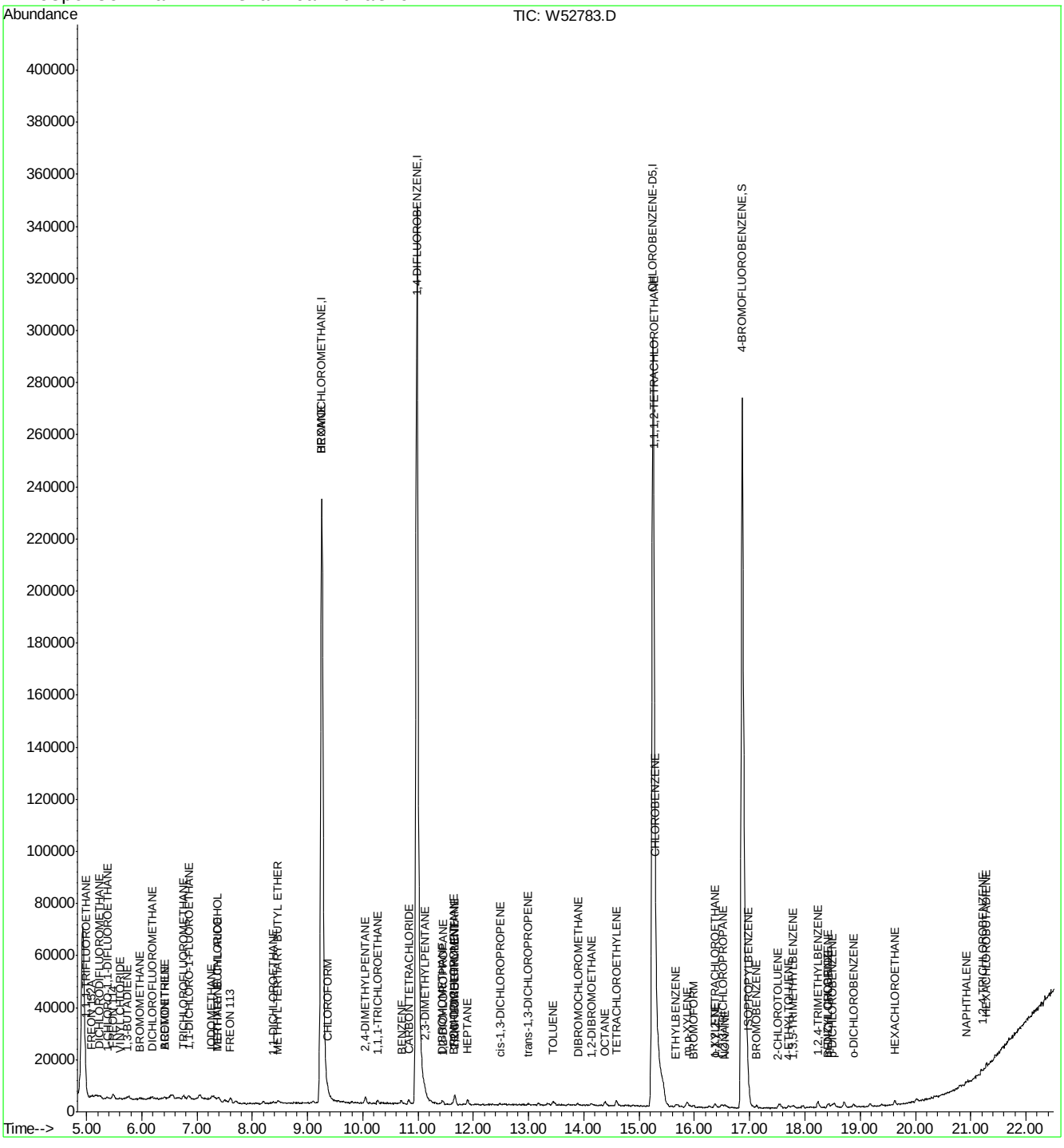
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
76)	ETHYLBENZENE	15.67	91	2338m	0.04	PPBV		
77)	m,p-XYLENE	15.87	106	1603	0.06	PPBV	#	87
78)	o-XYLENE	16.38	106	729	0.03	PPBV	#	86
80)	1,2,3-TRICHLOROPROPANE	16.52	75	917	0.04	PPBV	#	51
81)	NONANE	16.56	43	1122	0.03	PPBV	#	54
82)	BROMOFORM	15.98	173	806	0.03	PPBV	#	77
84)	1,1,2,2-TETRACHLOROETHANE	16.38	83	872	0.03	PPBV	#	83
85)	ISOPROPYLBENZENE	16.98	105	2486	0.04	PPBV		76
86)	BROMOBENZENE	17.12	156	627	0.03	PPBV		99
87)	2-CHLOROTOLUENE	17.51	126	463	0.03	PPBV	#	1
89)	4-ETHYLTOLUENE	17.70	105	1918m	0.03	PPBV		
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	1782	0.03	PPBV	#	86
93)	1,2,4-TRIMETHYLBENZENE	18.24	105	1583	0.03	PPBV		96
94)	m-DICHLOROBENZENE	18.42	146	1175	0.04	PPBV		89
95)	BENZYL CHLORIDE	18.41	91	1164	0.03	PPBV	#	59
96)	p-DICHLOROBENZENE	18.50	146	1143	0.04	PPBV		89
99)	o-DICHLOROBENZENE	18.89	146	963	0.03	PPBV		79
101)	HEXACHLOROETHANE	19.62	201	652	0.03	PPBV	#	80
102)	HEXACHLOROBUTADIENE	21.28	225	719	0.04	PPBV	#	60
103)	1,2,4-TRICHLOROBENZENE	21.20	180	645	0.06	PPBV		81
104)	NAPHTHALENE	20.92	128	1243	0.05	PPBV	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52783.D Vial: 3
Acq On : 4 Dec 2015 3:57 pm Operator: YOUMINH
Sample : IC2109-0.04 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:50 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Manual Integration Approval Summary

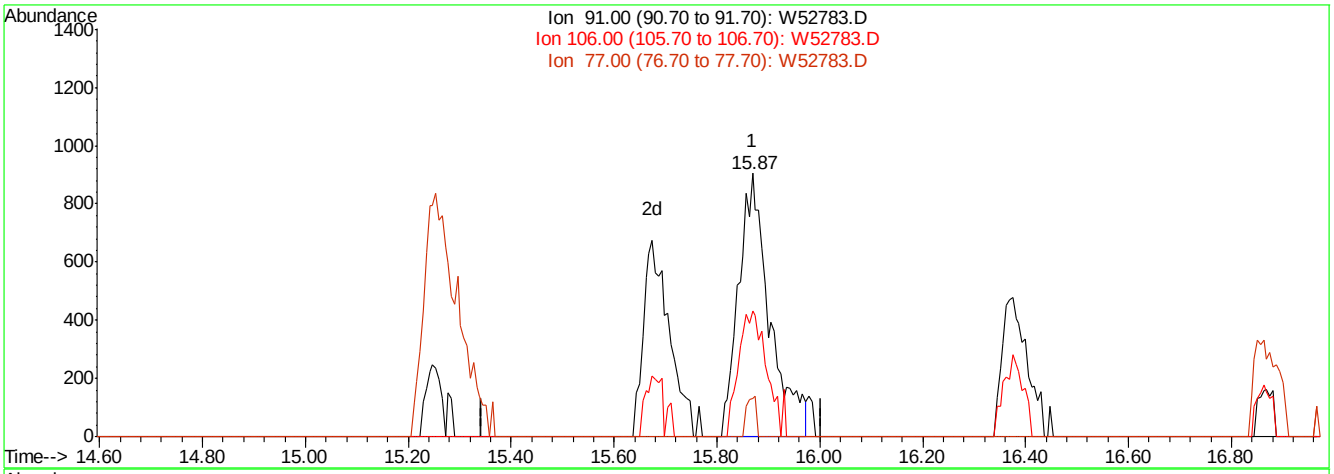
Sample Number:	VW2109-IC2109	**Method:**	TO-15
Lab FileID:	W52783.D	**Analyst approved:**	12/07/15 11:40 Youmin Hu
Injection Time:	12/04/15 15:57	**Supervisor approved:**	12/07/15 14:42 Dana Tryon

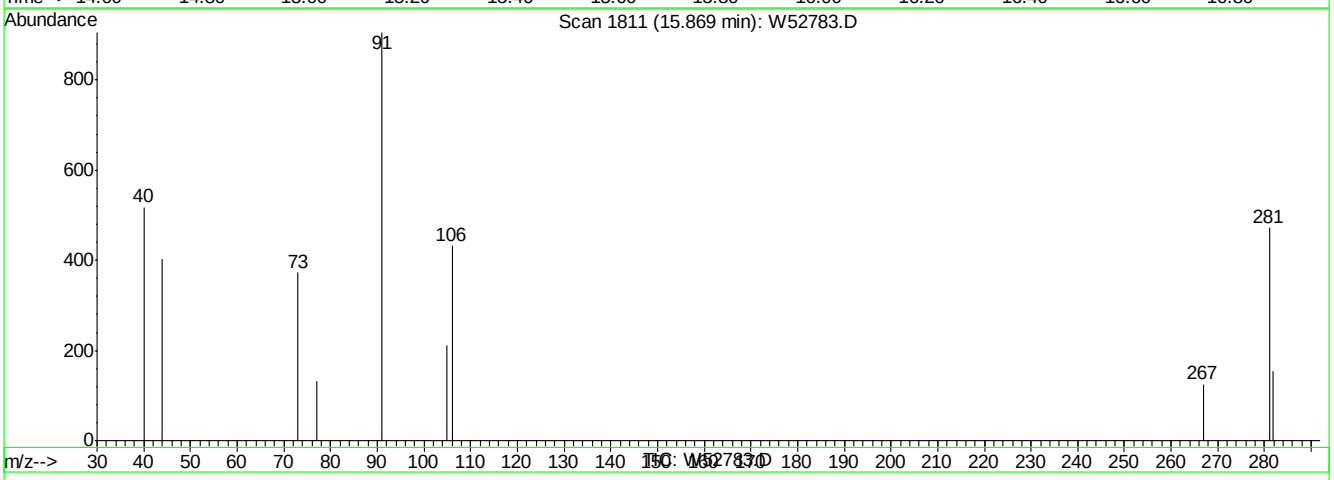
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethylbenzene	100-41-4		15.67	Missed peak
4-Ethyltoluene	622-96-8		17.70	Missed peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52783.D Vial: 3
Acq On : 4 Dec 2015 3:57 pm Operator: YOUMINH
Sample : IC2109-0.04 Inst : MSW
Misc : MS94901,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:49 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Multiple Level Calibration





(76) ETHYLBENZENE

15.87min 0.06PPBV

response 3807

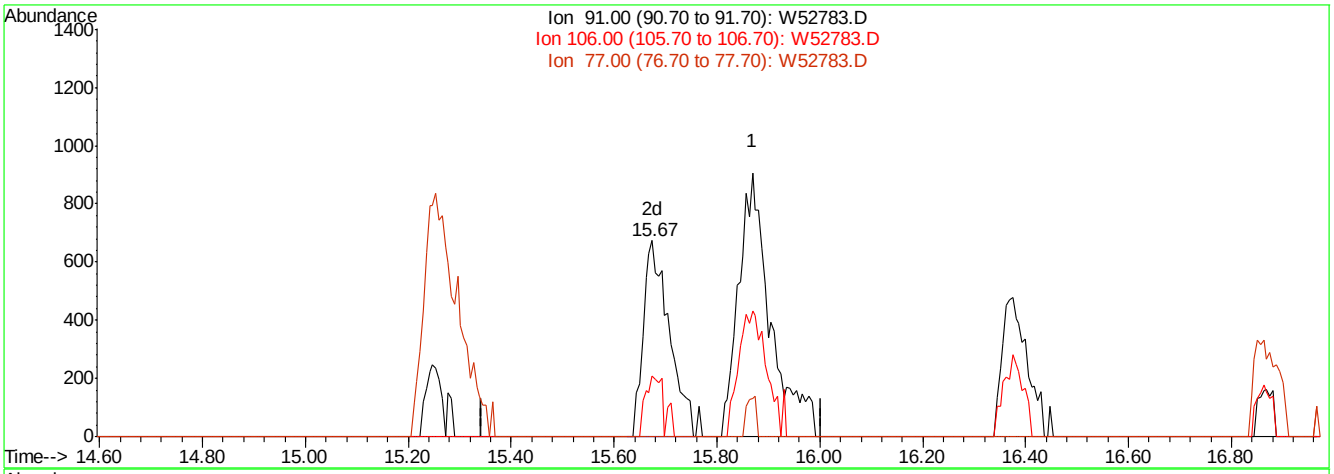
Ion	Exp%	Act%
91.00	100	100
106.00	32.20	42.11
77.00	7.90	4.83
0.00	0.00	0.00

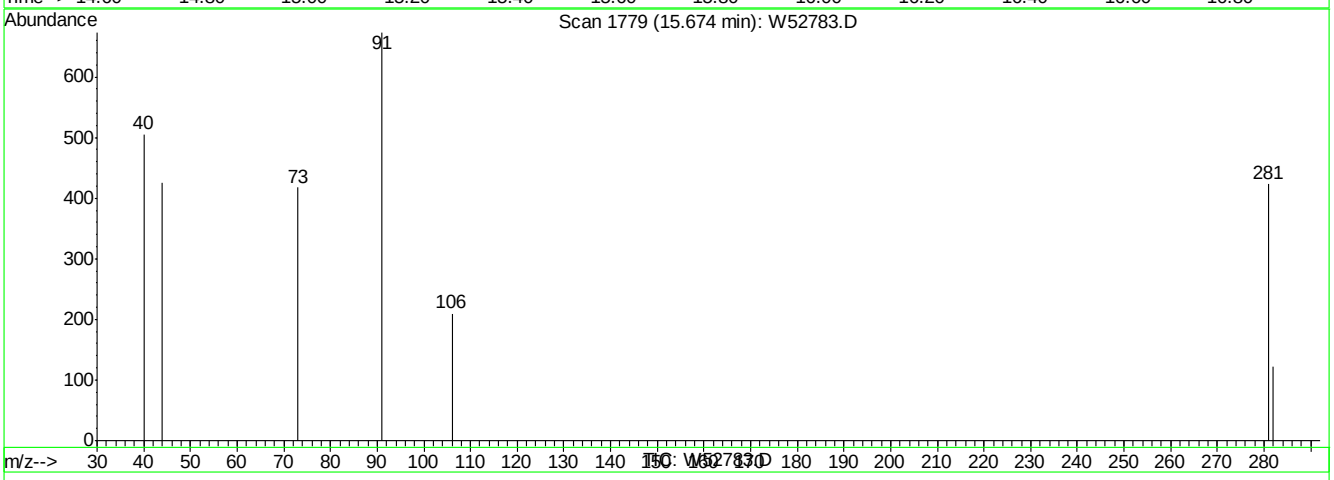
W52783.D MW2109.M Fri Dec 04 16:50:04 2015 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52783.D Vial: 3
Acq On : 4 Dec 2015 3:57 pm Operator: YOUMINH
Sample : IC2109-0.04 Inst : MSW
Misc : MS94901,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:50 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Multiple Level Calibration





(76) ETHYLBENZENE

15.67min 0.04PPBV m

response 2338

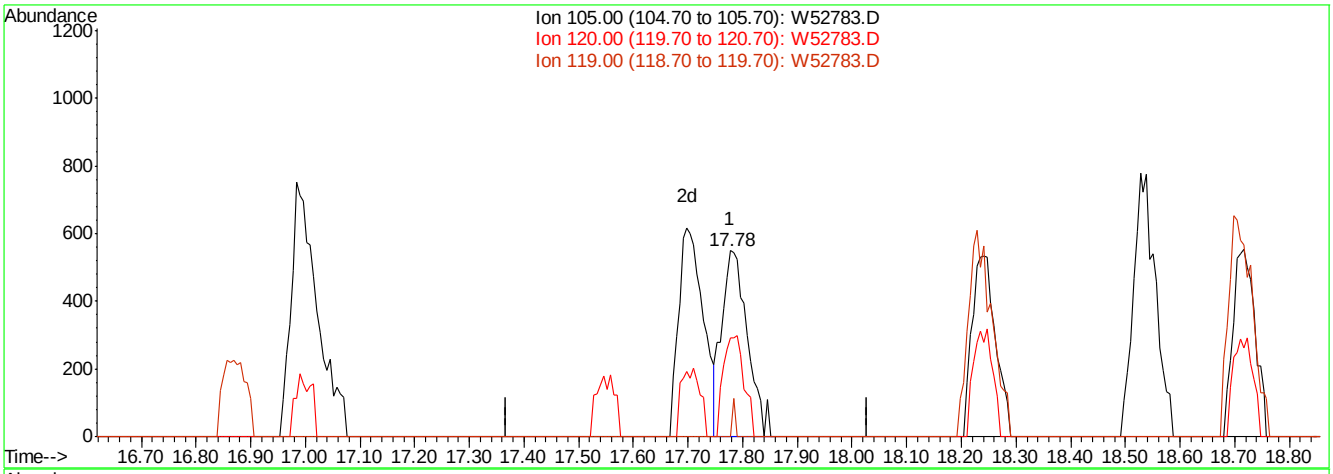
Ion	Exp%	Act%
91.00	100	100
106.00	32.20	68.56#
77.00	7.90	7.87
0.00	0.00	0.00

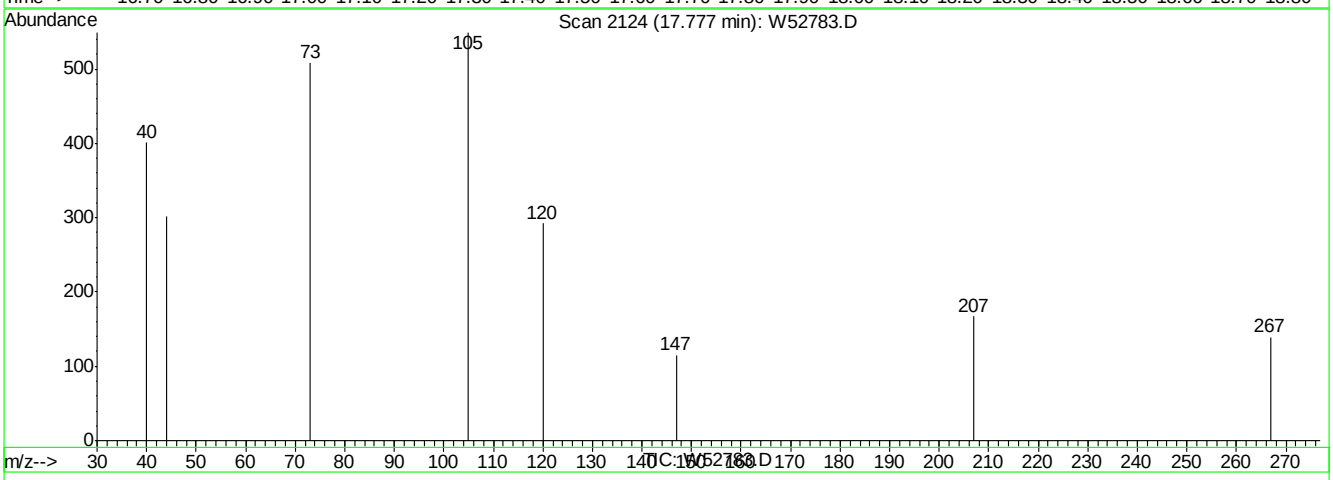
W52783.D MW2109.M Fri Dec 04 16:50:11 2015 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52783.D Vial: 3
Acq On : 4 Dec 2015 3:57 pm Operator: YOUMINH
Sample : IC2109-0.04 Inst : MSW
Misc : MS94901,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:50 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Multiple Level Calibration





(89) 4-ETHYLTOLUENE

17.78min 0.03PPBV

response 1782

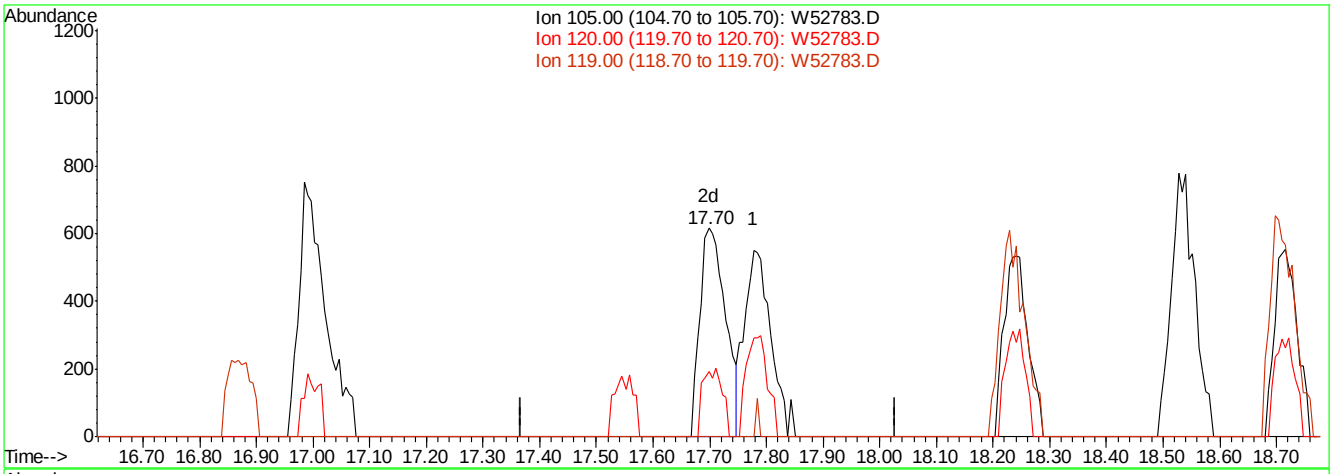
Ion	Exp%	Act%
105.00	100	100
120.00	29.10	43.49
119.00	2.40	2.30
0.00	0.00	0.00

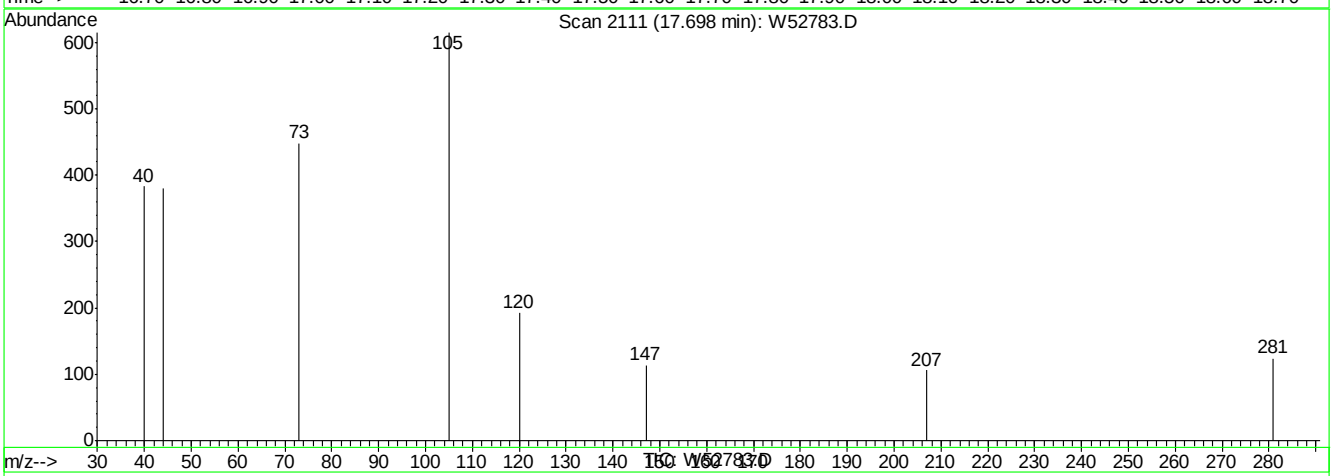
W52783.D MW2109.M Fri Dec 04 16:50:28 2015 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W52783.D Vial: 3
Acq On : 4 Dec 2015 3:57 pm Operator: YOUMINH
Sample : IC2109-0.04 Inst : MSW
Misc : MS94901,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 16:50 2015 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:36:36 2015
Response via : Multiple Level Calibration





(89) 4-ETHYLTOLUENE

17.70min 0.03PPBV m

response 1918

Ion	Exp%	Act%
105.00	100	100
120.00	29.10	40.41
119.00	2.40	2.14
0.00	0.00	0.00

W52783.D MW2109.M Fri Dec 04 16:50:37 2015 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52784.D Vial: 1
Acq On : 4 Dec 2015 4:38 pm Operator: YOUMINH
Sample : IC2109-30 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 17:06:50 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:52:28 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	120502	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	581051	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	310119	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.86	95	349197	10.05	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.50%			
Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.97	69	986283	27.28	PPBV	100
3) FREON 152A	5.08	65	317446	29.18	PPBV	99
4) CHLORODIFLUOROMETHANE	5.13	67	108726	29.00	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.23	85	1159545	26.85	PPBV	99
6) PROPYLENE	5.16	41	413186	27.00	PPBV	100
7) FREON 114	5.47	85	1242460	27.07	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.36	65	807246	28.19	PPBV	100
9) CHLOROMETHANE	5.38	52	141215	28.51	PPBV	99
10) VINYL CHLORIDE	5.59	62	501107	28.49	PPBV	100
11) 1,3-BUTADIENE	5.71	54	389856	28.46	PPBV	100
12) n-BUTANE	5.76	58	107007	27.09	PPBV	100
13) BROMOMETHANE	5.96	94	420606	28.11	PPBV	100
14) CHLOROETHANE	6.10	64	252048	28.51	PPBV	99
15) DICHLOROFLUOROMETHANE	6.17	67	952815	28.09	PPBV	100
16) ACROLEIN	6.50	56	197189	31.06	PPBV	98
17) TRICHLOROFLUOROMETHANE	6.75	101	1073486	28.67	PPBV	100
18) ISOPROPYL ALCOHOL	6.79	43	136665	33.57	PPBV	96
19) ACETONE	6.61	58	225295	32.58	PPBV	96
20) 1,1-DICHLORO-1-FLUOROETHAN	6.85	81	952898	29.55	PPBV	99
21) ACRYLONITRILE	6.99	53	359185	36.34	PPBV	99
22) PENTANE	7.04	57	130741	27.85	PPBV	98
23) IODOMETHANE	7.25	142	1239014	29.16	PPBV	97
24) 1,1-DICHLOROETHYLENE	7.30	96	497855	28.03	PPBV	98
25) CARBON DISULFIDE	7.69	76	1427288	28.64	PPBV	100
26) ETHANOL	6.19	45	178285	28.01	PPBV	99
27) ACETONITRILE	6.39	41	347513	31.39	PPBV	98
28) BROMOETHENE	6.41	106	439535	28.77	PPBV	100
29) METHYLENE CHLORIDE	7.39	84	451080	28.35	PPBV	96
30) 3-CHLOROPROPENE	7.49	76	249635	32.34	PPBV	99
31) FREON 113	7.60	151	831082	29.85	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.19	96	511595	28.96	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.31	59	1021305	35.24	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.41	73	1403993	32.13	PPBV	100
35) TETRAHYDROFURAN	9.75	72	260321	37.63	PPBV	99
36) HEXANE	9.25	57	855296	31.42	PPBV	99
37) VINYL ACETATE	8.46	86	145992	38.32	PPBV	98
38) 1,1-DICHLOROETHANE	8.37	63	906862	31.77	PPBV	99
39) METHYL ETHYL KETONE	8.71	72	263560	38.07	PPBV	99
40) cis-1,2-DICHLOROETHYLENE	9.10	96	546449	30.13	PPBV	99
41) DI-ISOPROPYL ETHER	9.24	87	459911	35.26	PPBV	99
42) ETHYL ACETATE	9.26	61	175124	37.46	PPBV #	78

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52784.D Vial: 1
Acq On : 4 Dec 2015 4:38 pm Operator: YOUMINH
Sample : IC2109-30 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 17:06:50 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:52:28 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	METHYL ACRYLATE	9.27	55	979724	36.15	PPBV		99
44)	CHLOROFORM	9.36	83	980410	31.97	PPBV		99
45)	2,4-DIMETHYLPENTANE	10.05	57	1000111	32.58	PPBV		99
46)	1,1,1-TRICHLOROETHANE	10.26	97	985637	31.80	PPBV		100
47)	CARBON TETRACHLORIDE	10.83	117	1029529	31.51	PPBV		100
48)	1,2-DICHLOROETHANE	10.03	62	586222	34.48	PPBV		99
50)	BENZENE	10.69	78	1683540	31.08	PPBV		100
51)	CYCLOHEXANE	10.94	84	740364	28.17	PPBV		98
52)	2,3-DIMETHYLPENTANE	11.13	71	390583	31.98	PPBV		100
53)	TRICHLOROETHYLENE	11.66	95	693687	30.07	PPBV		99
54)	DIBROMOMETHANE	11.43	174	642169	31.03	PPBV		97
55)	1,2-DICHLOROPROPANE	11.45	63	603921	32.26	PPBV		99
56)	ETHYL ACRYLATE	11.39	55	1165704	37.08	PPBV		100
57)	BROMODICHLOROMETHANE	11.63	83	1105410	31.49	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	2730678	30.66	PPBV		100
59)	1,4-DIOXANE	11.67	88	354219	37.32	PPBV	#	70
60)	METHYL METHACRYLATE	11.81	69	614393	36.10	PPBV		99
61)	HEPTANE	11.89	43	968557	29.87	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.50	43	1096302	37.33	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.47	75	1016890	34.81	PPBV		100
64)	TOLUENE	13.44	92	1237842	34.88	PPBV		100
65)	trans-1,3-DICHLOROPROPENE	12.98	75	824512	37.15	PPBV		99
66)	1,1,2-TRICHLOROETHANE	13.17	83	553923	34.81	PPBV		99
68)	ETHYL METHACRYLATE	13.66	69	1023481	32.76	PPBV		99
69)	2-HEXANONE	13.68	58	636519	33.65	PPBV		99
70)	TETRACHLOROETHYLENE	14.59	164	798503	25.70	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.89	129	1181665	29.06	PPBV		100
72)	1,2-DIBROMOETHANE	14.14	107	994973	30.95	PPBV		100
73)	OCTANE	14.38	43	1379425	27.84	PPBV		99
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	857221	29.75	PPBV	#	71
75)	CHLOROBENZENE	15.30	112	1603934	28.93	PPBV		100
76)	ETHYLBENZENE	15.67	91	2528729	29.36	PPBV		100
77)	m,p-XYLENE	15.87	106	2067940	59.48	PPBV		98
78)	o-XYLENE	16.38	106	966315	30.46	PPBV		100
79)	STYRENE	16.26	104	1600853	32.16	PPBV		100
80)	1,2,3-TRICHLOROPROPANE	16.52	75	1004271	29.14	PPBV		99
81)	NONANE	16.55	43	1382937	31.99	PPBV		99
82)	BROMOFORM	15.99	173	1151379	31.04	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.38	83	1395703	31.71	PPBV		100
85)	ISOPROPYLBENZENE	16.99	105	2874842	29.76	PPBV		100
86)	BROMOBENZENE	17.12	156	874335	31.14	PPBV		99
87)	2-CHLOROTOLUENE	17.52	126	687039	31.05	PPBV	#	85
88)	n-PROPYLBENZENE	17.54	120	775503	31.61	PPBV		96
89)	4-ETHYLTOLUENE	17.70	105	2475001	32.22	PPBV		97
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	2267975	30.85	PPBV		99
91)	ALPHA-METHYLSTYRENE	17.95	118	1095684	32.58	PPBV		99
92)	TERT-BUTYLBENZENE	18.23	134	551661	30.64	PPBV		99
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	2112382	32.30	PPBV		100
94)	m-DICHLOROBENZENE	18.42	146	1287926	31.88	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52784.D Vial: 1
Acq On : 4 Dec 2015 4:38 pm Operator: YOUMINH
Sample : IC2109-30 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 17:06:50 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 16:52:28 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

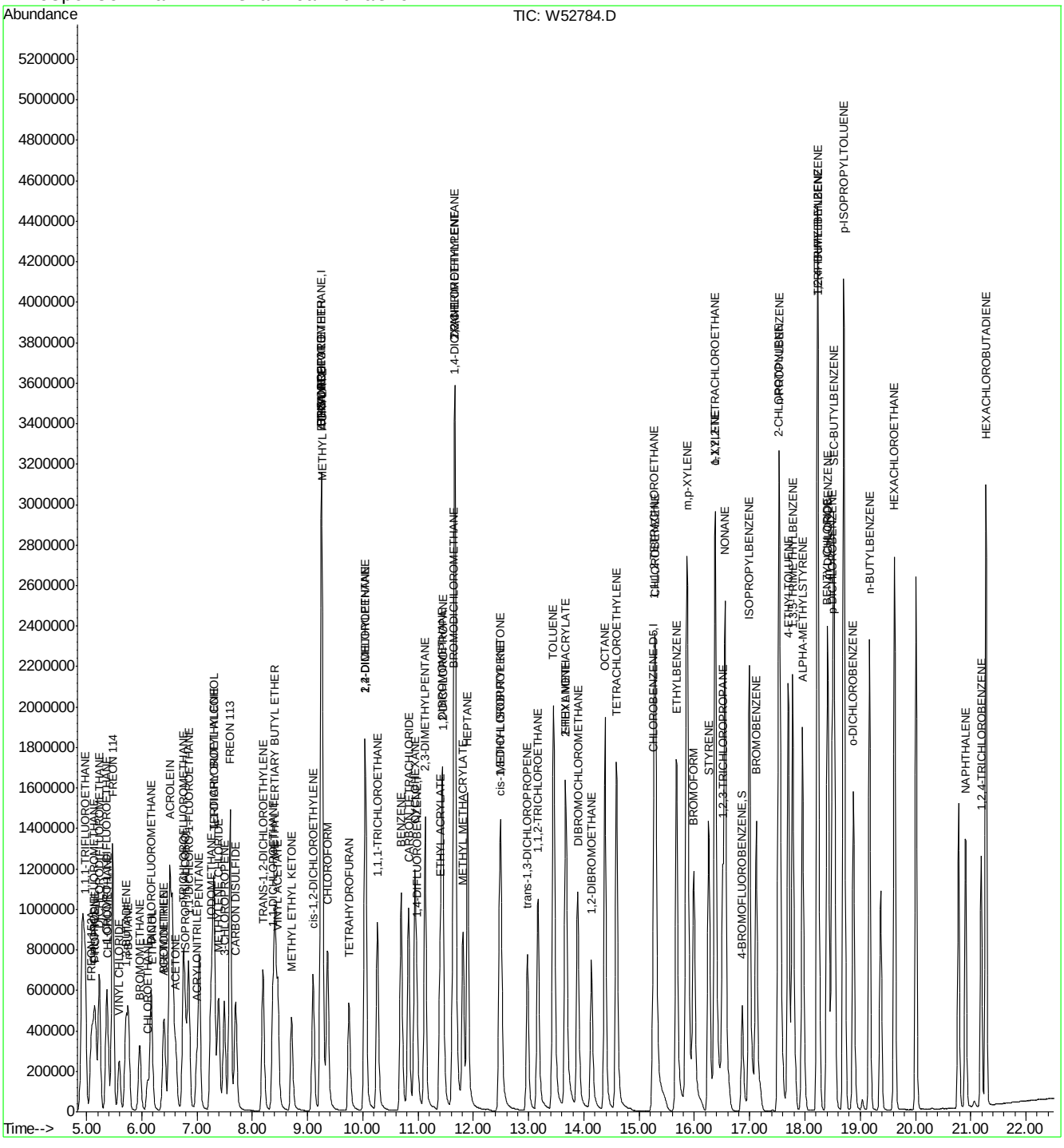
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	BENZYL CHLORIDE	18.40	91	1629587	34.89	PPBV	99
96)	p-DICHLOROBENZENE	18.50	146	1300321	30.46	PPBV	97
97)	SEC-BUTYLBENZENE	18.53	134	642235	31.01	PPBV	98
98)	p-ISOPROPYLTOLUENE	18.70	134	668491	32.27	PPBV	99
99)	o-DICHLOROBENZENE	18.87	146	1173858	31.05	PPBV	99
100)	n-BUTYLBENZENE	19.17	134	581317	33.00	PPBV	100
101)	HEXACHLOROETHANE	19.62	201	824384	30.95	PPBV	98
102)	HEXACHLOROBUTADIENE	21.28	225	884591	34.64	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.19	180	611889	34.75	PPBV	99
104)	NAPHTHALENE	20.91	128	1580813	43.12	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52784.D Vial: 1
Acq On : 4 Dec 2015 4:38 pm Operator: YOUMINH
Sample : IC2109-30 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 17:06 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52786.D Vial: 1
Acq On : 4 Dec 2015 5:59 pm Operator: YOUMINH
Sample : IC2109-40 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 18:22:29 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 17:09:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.26	128	110099	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.99	114	563955	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.26	82	310271	10.00	PPBV	0.01
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.87	95	326130	9.38	PPBV	0.00
Spiked Amount 10.000 Range 65 - 128 Recovery = 93.80%						
Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.98	69	1289843	39.44	PPBV	98
3) FREON 152A	5.09	65	428385	43.23	PPBV	99
4) CHLORODIFLUOROMETHANE	5.13	67	146609	42.98	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.24	85	1563103	40.09	PPBV	99
6) PROPYLENE	5.16	41	559195	40.57	PPBV	100
7) FREON 114	5.47	85	1697880	40.93	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.37	65	1089851	41.93	PPBV	100
9) CHLOROMETHANE	5.40	52	193389	42.99	PPBV	96
10) VINYL CHLORIDE	5.60	62	687012	42.99	PPBV	100
11) 1,3-BUTADIENE	5.72	54	533346	42.85	PPBV	100
12) n-BUTANE	5.76	58	148553	41.67	PPBV	98
13) BROMOMETHANE	5.97	94	581902	42.86	PPBV	100
14) CHLOROETHANE	6.11	64	348896	43.46	PPBV	99
15) DICHLOROFLUOROMETHANE	6.17	67	1302886	42.35	PPBV	100
16) ACROLEIN	6.50	56	261771	44.93	PPBV	97
17) TRICHLOROFLUOROMETHANE	6.76	101	1435560	42.17	PPBV	100
18) ISOPROPYL ALCOHOL	6.80	43	173846	45.95	PPBV	100
19) ACETONE	6.61	58	311917	48.84	PPBV	100
20) 1,1-DICHLORO-1-FLUOROETHAN	6.85	81	1273022	43.29	PPBV	100
21) ACRYLONITRILE	7.00	53	489786	52.84	PPBV	100
22) PENTANE	7.04	57	178436	41.97	PPBV	99
23) IODOMETHANE	7.26	142	1675087	43.28	PPBV	97
24) 1,1-DICHLOROETHYLENE	7.30	96	667376	41.52	PPBV	98
25) CARBON DISULFIDE	7.70	76	1909769	42.22	PPBV	100
26) ETHANOL	6.19	45	244045	42.37	PPBV	100
27) ACETONITRILE	6.39	41	451895	45.46	PPBV	98
28) BROMOETHENE	6.41	106	584554	42.07	PPBV	99
29) METHYLENE CHLORIDE	7.40	84	608533	42.12	PPBV	96
30) 3-CHLOROPROPENE	7.49	76	337413	47.38	PPBV	99
31) FREON 113	7.60	151	1121636	44.11	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.19	96	693724	43.20	PPBV	99
33) TERTIARY BUTYL ALCOHOL	7.32	59	1257944	46.60	PPBV	99
34) METHYL TERTIARY BUTYL ETHE	8.41	73	1896985	47.15	PPBV	100
35) TETRAHYDROFURAN	9.75	72	355555	54.29	PPBV	98
36) HEXANE	9.25	57	1151378	46.05	PPBV	99
37) VINYL ACETATE	8.47	86	196790	54.37	PPBV	97
38) 1,1-DICHLOROETHANE	8.38	63	1223004	46.59	PPBV	99
39) METHYL ETHYL KETONE	8.72	72	359206	54.69	PPBV	99
40) cis-1,2-DICHLOROETHYLENE	9.10	96	738007	44.51	PPBV	99
41) DI-ISOPROPYL ETHER	9.24	87	624148	51.09	PPBV	99
42) ETHYL ACETATE	9.27	61	236496	53.46	PPBV #	72

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52786.D Vial: 1
Acq On : 4 Dec 2015 5:59 pm Operator: YOUMINH
Sample : IC2109-40 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 18:22:29 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 17:09:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	METHYL ACRYLATE	9.27	55	1319203	51.76	PPBV		99
44)	CHLOROFORM	9.36	83	1324454	46.92	PPBV		100
45)	2,4-DIMETHYLPENTANE	10.05	57	1358349	47.97	PPBV		100
46)	1,1,1-TRICHLOROETHANE	10.27	97	1331692	46.71	PPBV		100
47)	CARBON TETRACHLORIDE	10.83	117	1396277	46.52	PPBV		100
48)	1,2-DICHLOROETHANE	10.03	62	793573	50.02	PPBV		99
50)	BENZENE	10.69	78	2280381	43.20	PPBV		100
51)	CYCLOHEXANE	10.94	84	1002889	39.67	PPBV		97
52)	2,3-DIMETHYLPENTANE	11.13	71	535033	44.80	PPBV		98
53)	TRICHLOROETHYLENE	11.67	95	931376	41.59	PPBV		99
54)	DIBROMOMETHANE	11.44	174	872608	43.27	PPBV		97
55)	1,2-DICHLOROPROPANE	11.45	63	815531	44.51	PPBV		99
56)	ETHYL ACRYLATE	11.40	55	1584867	50.25	PPBV		100
57)	BROMODICHLOROMETHANE	11.64	83	1487986	43.43	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.67	57	3691864	42.61	PPBV		100
59)	1,4-DIOXANE	11.68	88	472747	49.59	PPBV	#	75
60)	METHYL METHACRYLATE	11.81	69	836424	49.20	PPBV		98
61)	HEPTANE	11.90	43	1305860	41.51	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.51	43	1482719	50.48	PPBV		99
63)	cis-1,3-DICHLOROPROPENE	12.48	75	1393850	48.30	PPBV		99
64)	TOLUENE	13.45	92	1679570	47.89	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	12.99	75	1131232	51.16	PPBV		100
66)	1,1,2-TRICHLOROETHANE	13.17	83	761191	48.32	PPBV		100
68)	ETHYL METHACRYLATE	13.67	69	1384792	43.72	PPBV		100
69)	2-HEXANONE	13.69	58	872133	45.30	PPBV		98
70)	TETRACHLOROETHYLENE	14.59	164	1084564	35.46	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.89	129	1606483	39.63	PPBV		99
72)	1,2-DIBROMOETHANE	14.14	107	1360835	42.17	PPBV		100
73)	OCTANE	14.38	43	1870009	38.02	PPBV		99
74)	1,1,1,2-TETRACHLOROETHANE	15.28	131	1161580	40.33	PPBV	#	65
75)	CHLOROBENZENE	15.30	112	2187764	39.60	PPBV		99
76)	ETHYLBENZENE	15.68	91	3404969	39.61	PPBV		100
77)	m,p-XYLENE	15.87	106	2785317	80.15	PPBV		99
78)	o-XYLENE	16.38	106	1294001	40.70	PPBV		100
79)	STYRENE	16.27	104	2166589	43.12	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.52	75	1347616	39.21	PPBV		100
81)	NONANE	16.56	43	1844472	41.81	PPBV		99
82)	BROMOFORM	16.00	173	1560239	41.88	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.38	83	1873664	42.28	PPBV		100
85)	ISOPROPYLBENZENE	17.00	105	3839622	39.77	PPBV		99
86)	BROMOBENZENE	17.12	156	1177357	41.73	PPBV		99
87)	2-CHLOROTOLUENE	17.52	126	920416	41.41	PPBV	#	72
88)	n-PROPYLBENZENE	17.55	120	1041533	42.15	PPBV		94
89)	4-ETHYLTOLUENE	17.70	105	3362707	43.40	PPBV		98
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	2952088	40.01	PPBV		99
91)	ALPHA-METHYLSTYRENE	17.96	118	1465510	43.02	PPBV		99
92)	TERT-BUTYLBENZENE	18.23	134	736907	40.79	PPBV		99
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	2816721	42.69	PPBV		100
94)	m-DICHLOROBENZENE	18.42	146	1700227	41.77	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52786.D Vial: 1
Acq On : 4 Dec 2015 5:59 pm Operator: YOUMINH
Sample : IC2109-40 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 04 18:22:29 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Dec 04 17:09:38 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

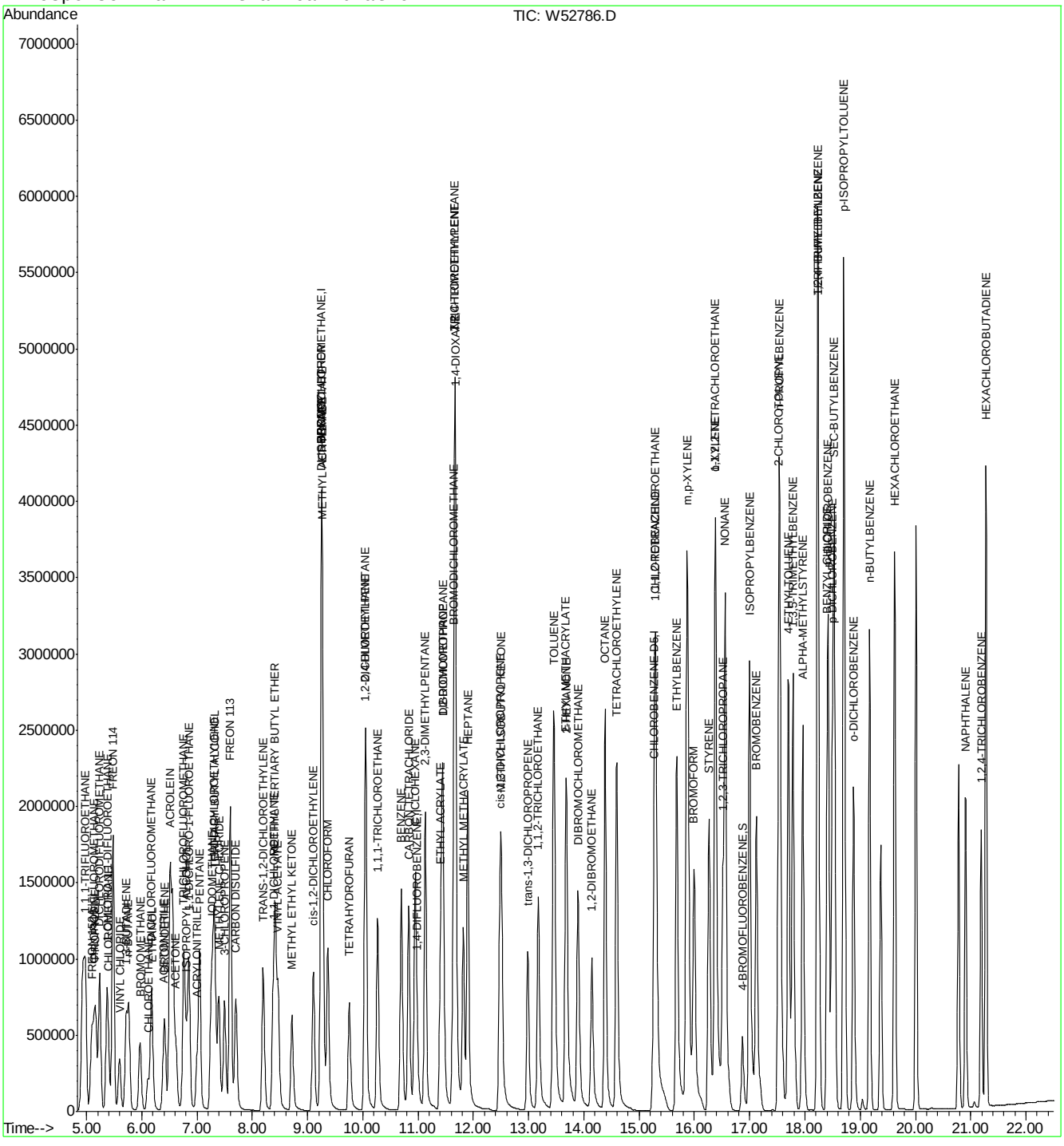
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	BENZYL CHLORIDE	18.40	91	2207447	46.39	PPBV	99
96)	p-DICHLOROBENZENE	18.50	146	1752613	40.97	PPBV	97
97)	SEC-BUTYLBENZENE	18.53	134	858045	41.21	PPBV	97
98)	p-ISOPROPYLTOLUENE	18.70	134	894034	42.74	PPBV	99
99)	o-DICHLOROBENZENE	18.88	146	1573009	41.43	PPBV	99
100)	n-BUTYLBENZENE	19.17	134	794084	44.42	PPBV	98
101)	HEXACHLOROETHANE	19.62	201	1095264	40.96	PPBV	98
102)	HEXACHLOROBUTADIENE	21.28	225	1204150	46.34	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.19	180	892912	49.81	PPBV	99
104)	NAPHTHALENE	20.91	128	2368578	61.59	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52786.D Vial: 1
Acq On : 4 Dec 2015 5:59 pm Operator: YOUMINH
Sample : IC2109-40 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 18:22 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



ACCUTEST LABORATORIES JC11091

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52789.D Vial: 4
Acq On : 4 Dec 2015 8:00 pm Operator: YOUMINH
Sample : ICV2109-10 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 07 09:57:00 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	135187	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.97	114	655690	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	305875	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.86	95	364025	10.68	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.80%			
Target Compounds						Qvalue
3) FREON 152A	5.08	65	119835	9.77	PPBV	99
4) CHLORODIFLUOROMETHANE	5.13	67	40941	9.70	PPBV	98
5) DICHLORODIFLUOROMETHANE	5.23	85	450336	9.40	PPBV	100
6) PROPYLENE	5.16	41	158495	9.35	PPBV	99
7) FREON 114	5.47	85	490065	9.60	PPBV	100
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.36	65	325716	10.16	PPBV	100
9) CHLOROMETHANE	5.38	52	55370	9.94	PPBV	97
10) VINYL CHLORIDE	5.59	62	197352	9.98	PPBV	100
11) 1,3-BUTADIENE	5.71	54	150453	9.78	PPBV	100
12) n-BUTANE	5.76	58	42627	9.69	PPBV	97
13) BROMOMETHANE	5.96	94	167392	9.97	PPBV	100
14) CHLOROETHANE	6.10	64	98024	9.85	PPBV	100
15) DICHLOROFLUOROMETHANE	6.16	67	361050	9.50	PPBV	99
16) ACROLEIN	6.49	56	67412	9.30	PPBV	95
17) TRICHLOROFLUOROMETHANE	6.75	101	396350	9.43	PPBV	99
18) ISOPROPYL ALCOHOL	6.79	43	44408	9.39	PPBV	95
19) ACETONE	6.61	58	77265	9.62	PPBV	94
21) ACRYLONITRILE	6.99	53	123485	10.48	PPBV	99
22) PENTANE	7.04	57	48266	9.20	PPBV	99
23) IODOMETHANE	7.25	142	452515	9.44	PPBV	99
24) 1,1-DICHLOROETHYLENE	7.30	96	181925	9.17	PPBV	99
25) CARBON DISULFIDE	7.69	76	531460	9.50	PPBV	100
26) ETHANOL	6.18	45	65132	9.14	PPBV	99
27) ACETONITRILE	6.38	41	121163	9.76	PPBV	98
28) BROMOETHENE	6.41	106	168552	9.83	PPBV	99
29) METHYLENE CHLORIDE	7.39	84	164739	9.24	PPBV	98
30) 3-CHLOROPROPENE	7.49	76	88842	9.96	PPBV	100
31) FREON 113	7.60	151	303527	9.62	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.19	96	187385	9.41	PPBV	97
33) TERTIARY BUTYL ALCOHOL	7.31	59	332900	9.88	PPBV	100
34) METHYL TERTIARY BUTYL ETHE	8.41	73	477858	9.50	PPBV	100
35) TETRAHYDROFURAN	9.75	72	86289	10.27	PPBV	100
36) HEXANE	9.25	57	304078	9.76	PPBV	100
37) VINYL ACETATE	8.46	86	48919	10.53	PPBV	99
38) 1,1-DICHLOROETHANE	8.37	63	325422	9.93	PPBV	100
39) METHYL ETHYL KETONE	8.71	72	85159	10.10	PPBV	98
40) cis-1,2-DICHLOROETHYLENE	9.10	96	197719	9.58	PPBV	98
41) DI-ISOPROPYL ETHER	9.24	87	151682	9.77	PPBV	100
42) ETHYL ACETATE	9.25	61	57118	10.09	PPBV	98
43) METHYL ACRYLATE	9.26	55	327827	10.10	PPBV	100
44) CHLOROFORM	9.36	83	354398	10.05	PPBV	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52789.D Vial: 4
Acq On : 4 Dec 2015 8:00 pm Operator: YOUMINH
Sample : ICV2109-10 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 07 09:57:00 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2,4-DIMETHYLPENTANE	10.05	57	350256	9.88	PPBV		100
46)	1,1,1-TRICHLOROETHANE	10.26	97	353004	9.92	PPBV		99
47)	CARBON TETRACHLORIDE	10.82	117	365346	9.75	PPBV		99
48)	1,2-DICHLOROETHANE	10.03	62	205089	10.21	PPBV		100
50)	BENZENE	10.69	78	585892	9.47	PPBV		100
51)	CYCLOHEXANE	10.94	84	261376	8.90	PPBV		99
52)	2,3-DIMETHYLPENTANE	11.12	71	134003	9.54	PPBV		99
53)	TRICHLOROETHYLENE	11.66	95	240833	9.21	PPBV		99
54)	DIBROMOMETHANE	11.42	174	226398	9.58	PPBV		99
55)	1,2-DICHLOROPROPANE	11.44	63	210142	9.75	PPBV		100
56)	ETHYL ACRYLATE	11.39	55	363537	9.61	PPBV		99
57)	BROMODICHLOROMETHANE	11.63	83	386269	9.62	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	921223	9.08	PPBV		100
59)	1,4-DIOXANE	11.68	88	107050	9.38	PPBV		91
60)	METHYL METHACRYLATE	11.81	69	196905	9.68	PPBV		97
61)	HEPTANE	11.89	43	324570	8.84	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.50	43	326674	9.30	PPBV		100
63)	cis-1,3-DICHLOROPROPENE	12.47	75	321942	9.40	PPBV		100
64)	TOLUENE	13.44	92	417188	10.03	PPBV		100
65)	trans-1,3-DICHLOROPROPENE	12.97	75	264713	10.02	PPBV		99
66)	1,1,2-TRICHLOROETHANE	13.16	83	188934	10.08	PPBV		100
68)	ETHYL METHACRYLATE	13.66	69	307279	9.73	PPBV		99
69)	2-HEXANONE	13.67	58	184739	9.57	PPBV		100
70)	TETRACHLOROETHYLENE	14.59	164	273583	9.18	PPBV		100
71)	DIBROMOCHLOROMETHANE	13.88	129	398698	9.99	PPBV		100
72)	1,2-DIBROMOETHANE	14.13	107	326796	10.22	PPBV		100
73)	OCTANE	14.38	43	451855	9.37	PPBV		100
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	285760	10.06	PPBV		100
75)	CHLOROBENZENE	15.30	112	525959	9.67	PPBV		100
76)	ETHYLBENZENE	15.67	91	825412	9.75	PPBV		100
77)	m,p-XYLENE	15.86	106	686096	20.02	PPBV		98
78)	o-XYLENE	16.37	106	325482	10.37	PPBV		99
79)	STYRENE	16.25	104	523712	10.48	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.51	75	327654	9.69	PPBV		99
81)	NONANE	16.55	43	458803	10.49	PPBV		100
82)	BROMOFORM	15.98	173	380804	10.32	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	457362	10.41	PPBV		100
85)	ISOPROPYLBENZENE	16.99	105	946378	9.95	PPBV		100
86)	BROMOBENZENE	17.11	156	287162	10.28	PPBV		100
87)	2-CHLOROTOLUENE	17.52	126	226469	10.30	PPBV	#	73
88)	n-PROPYLBENZENE	17.54	120	253522	10.35	PPBV		100
89)	4-ETHYLTOLUENE	17.70	105	810970	10.53	PPBV		100
90)	1,3,5-TRIMETHYLBENZENE	17.78	105	751339	10.33	PPBV		100
91)	ALPHA-METHYLSTYRENE	17.95	118	357009	10.53	PPBV		100
92)	TERT-BUTYLBENZENE	18.22	134	179636	10.06	PPBV		99
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	693842	10.59	PPBV		99
94)	m-DICHLOROBENZENE	18.42	146	405570	10.06	PPBV		97
95)	BENZYL CHLORIDE	18.39	91	492529	10.33	PPBV		100
96)	p-DICHLOROBENZENE	18.49	146	437478	10.35	PPBV		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52789.D Vial: 4
Acq On : 4 Dec 2015 8:00 pm Operator: YOUMINH
Sample : ICV2109-10 Inst : MSW
Misc : MS95274,VW2109,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 07 09:57:00 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
97)	SEC-BUTYLBENZENE	18.53	134	210398	10.21	PPBV	99
98)	p-ISOPROPYLTOLUENE	18.70	134	218479	10.51	PPBV	100
99)	o-DICHLOROBENZENE	18.87	146	390392	10.39	PPBV	100
100)	n-BUTYLBENZENE	19.17	134	183738	10.28	PPBV	99
101)	HEXACHLOROETHANE	19.62	201	273198	10.34	PPBV	99
102)	HEXACHLOROBUTADIENE	21.28	225	248948	9.57	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.19	180	141992	7.84	PPBV	99
104)	NAPHTHALENE	20.91	128	334241	8.82	PPBV	100

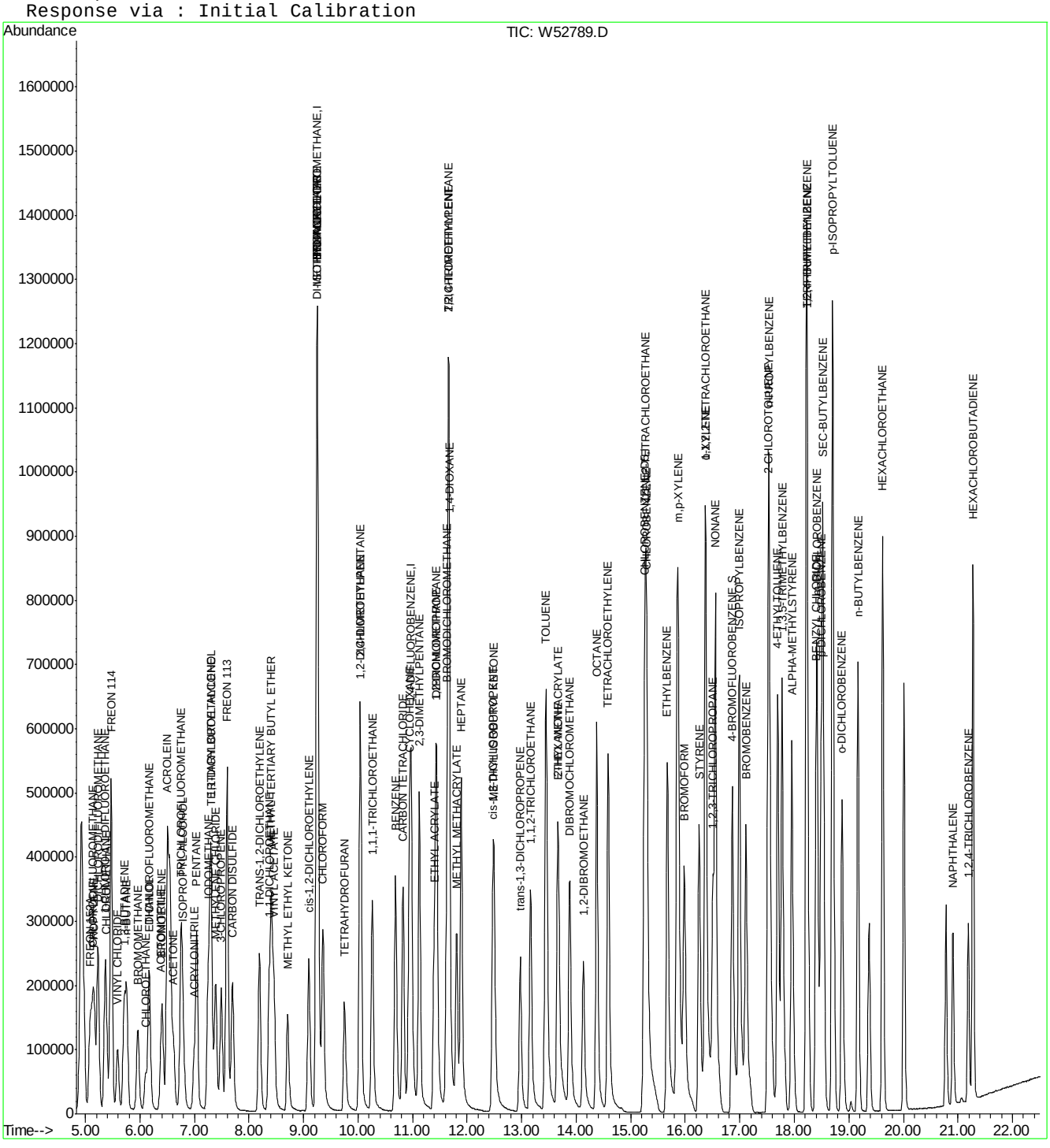
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52789.D
Acq On : 4 Dec 2015 8:00 pm
Sample : ICV2109-10
Misc : MS95274,VW2109,,,,,1
MS Integration Params: rteint.p
Quant Time: Dec 7 9:57 2015

Vial: 4
Operator: YOUMINH
Inst : MSW
Multiplr: 1.00
Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52874.D Vial: 2
Acq On : 10 Dec 2015 7:30 am Operator: YOUMINH
Sample : CC2109-10 Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 08:58:45 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	97034	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.98	114	468557	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	228688	10.00	PPBV	0.00
System Monitoring Compounds						
83) 4-BROMOFLUOROBENZENE	16.86	95	266002	10.44	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.40%			
Target Compounds						Qvalue
2) 1,1,1-TRIFLUOROETHANE	4.99	69	259105	9.00	PPBV	97
3) FREON 152A	5.10	65	79609	9.04	PPBV	98
4) CHLORODIFLUOROMETHANE	5.15	67	29856	9.85	PPBV	100
5) DICHLORODIFLUOROMETHANE	5.25	85	310739	9.04	PPBV	99
6) PROPYLENE	5.18	41	108642	8.93	PPBV	98
7) FREON 114	5.49	85	324199	8.85	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROETHAN	5.38	65	221750	9.63	PPBV	99
9) CHLOROMETHANE	5.40	52	37450	9.37	PPBV #	88
10) VINYL CHLORIDE	5.60	62	132145	9.31	PPBV	100
11) 1,3-BUTADIENE	5.72	54	100619	9.11	PPBV	95
12) n-BUTANE	5.77	58	29284	9.28	PPBV	99
13) BROMOMETHANE	5.97	94	111705	9.27	PPBV	100
14) CHLOROETHANE	6.12	64	68000	9.52	PPBV	97
15) DICHLOROFLUOROMETHANE	6.18	67	261045	9.57	PPBV	99
16) ACROLEIN	6.51	56	49494	9.51	PPBV	95
17) TRICHLOROFLUOROMETHANE	6.77	101	300116	9.95	PPBV	99
18) ISOPROPYL ALCOHOL	6.80	43	37373	11.00	PPBV #	82
19) ACETONE	6.62	58	58095	10.07	PPBV #	83
20) 1,1-DICHLORO-1-FLUOROETHAN	6.86	81	265166	10.15	PPBV	99
21) ACRYLONITRILE	7.00	53	92766	10.97	PPBV	99
22) PENTANE	7.05	57	34926	9.27	PPBV #	91
23) IODOMETHANE	7.27	142	306983	8.93	PPBV	94
24) 1,1-DICHLOROETHYLENE	7.31	96	126953	8.92	PPBV	94
25) CARBON DISULFIDE	7.71	76	375747	9.36	PPBV	99
26) ETHANOL	6.20	45	47957	9.38	PPBV	98
27) ACETONITRILE	6.40	41	90670	10.18	PPBV	97
28) BROMOETHENE	6.43	106	115674	9.40	PPBV #	99
29) METHYLENE CHLORIDE	7.40	84	118726	9.27	PPBV	96
30) 3-CHLOROPROPENE	7.50	76	62818	9.81	PPBV	94
31) FREON 113	7.61	151	205269	9.07	PPBV	97
32) TRANS-1,2-DICHLOROETHYLENE	8.20	96	126680	8.86	PPBV	97
33) TERTIARY BUTYL ALCOHOL	7.32	59	247676	10.24	PPBV	98
34) METHYL TERTIARY BUTYL ETHE	8.42	73	347130	9.62	PPBV	98
35) TETRAHYDROFURAN	9.75	72	60780	10.08	PPBV	98
36) HEXANE	9.26	57	221297	9.89	PPBV	97
37) VINYL ACETATE	8.47	86	34114	10.24	PPBV #	86
38) 1,1-DICHLOROETHANE	8.38	63	237000	10.08	PPBV	100
39) METHYL ETHYL KETONE	8.72	72	60479	9.99	PPBV	95
40) cis-1,2-DICHLOROETHYLENE	9.10	96	135639	9.15	PPBV	99
41) DI-ISOPROPYL ETHER	9.24	87	108460	9.74	PPBV	97
42) ETHYL ACETATE	9.26	61	42571	10.48	PPBV #	82

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52874.D Vial: 2
Acq On : 10 Dec 2015 7:30 am Operator: YOUMINH
Sample : CC2109-10 Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 08:58:45 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	METHYL ACRYLATE	9.27	55	241622	10.37	PPBV		99
44)	CHLOROFORM	9.36	83	253452	10.02	PPBV		98
45)	2,4-DIMETHYLPENTANE	10.05	57	251424	9.88	PPBV		99
46)	1,1,1-TRICHLOROETHANE	10.27	97	258129	10.10	PPBV		99
47)	CARBON TETRACHLORIDE	10.83	117	268111	9.97	PPBV		99
48)	1,2-DICHLOROETHANE	10.03	62	155966	10.82	PPBV		99
50)	BENZENE	10.69	78	423185	9.57	PPBV		99
51)	CYCLOHEXANE	10.95	84	185297	8.83	PPBV		98
52)	2,3-DIMETHYLPENTANE	11.13	71	95550	9.52	PPBV		98
53)	TRICHLOROETHYLENE	11.66	95	173711	9.30	PPBV		97
54)	DIBROMOMETHANE	11.43	174	155572	9.21	PPBV		95
55)	1,2-DICHLOROPROPANE	11.44	63	149998	9.74	PPBV		98
56)	ETHYL ACRYLATE	11.39	55	260741	9.64	PPBV		98
57)	BROMODICHLOROMETHANE	11.63	83	284179	9.90	PPBV		100
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	674934	9.31	PPBV		100
59)	1,4-DIOXANE	11.69	88	78061	9.57	PPBV		94
60)	METHYL METHACRYLATE	11.81	69	142291	9.79	PPBV		98
61)	HEPTANE	11.89	43	243587	9.28	PPBV		99
62)	METHYL ISOBUTYL KETONE	12.50	43	240787	9.59	PPBV		98
63)	cis-1,3-DICHLOROPROPENE	12.47	75	244081	9.97	PPBV		96
64)	TOLUENE	13.44	92	296163	9.97	PPBV		99
65)	trans-1,3-DICHLOROPROPENE	12.97	75	193064	10.22	PPBV		96
66)	1,1,2-TRICHLOROETHANE	13.16	83	133289	9.95	PPBV		99
68)	ETHYL METHACRYLATE	13.66	69	213472	9.04	PPBV		99
69)	2-HEXANONE	13.67	58	134270	9.31	PPBV		96
70)	TETRACHLOROETHYLENE	14.58	164	185551	8.32	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.88	129	282509	9.46	PPBV		99
72)	1,2-DIBROMOETHANE	14.13	107	229657	9.60	PPBV		100
73)	OCTANE	14.38	43	333130	9.24	PPBV		97
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	201995	9.51	PPBV		95
75)	CHLOROBENZENE	15.30	112	373349	9.18	PPBV		98
76)	ETHYLBENZENE	15.67	91	581642	9.19	PPBV		99
77)	m,p-XYLENE	15.86	106	485635	18.96	PPBV		97
78)	o-XYLENE	16.37	106	226472	9.65	PPBV		98
79)	STYRENE	16.25	104	364768	9.76	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.51	75	239283	9.46	PPBV		99
81)	NONANE	16.55	43	343752	10.51	PPBV		98
82)	BROMOFORM	15.98	173	263119	9.54	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.37	83	327019	9.96	PPBV		100
85)	ISOPROPYLBENZENE	16.99	105	671867	9.45	PPBV		99
86)	BROMOBENZENE	17.11	156	196559	9.41	PPBV		96
87)	2-CHLOROTOLUENE	17.52	126	155618	9.47	PPBV	#	79
88)	n-PROPYLBENZENE	17.54	120	176358	9.63	PPBV		95
89)	4-ETHYLTOLUENE	17.69	105	569846	9.89	PPBV		99
90)	1,3,5-TRIMETHYLBENZENE	17.77	105	536132	9.86	PPBV		99
91)	ALPHA-METHYLSTYRENE	17.95	118	245201	9.68	PPBV		99
92)	TERT-BUTYLBENZENE	18.22	134	125599	9.41	PPBV		94
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	496707	10.14	PPBV		99
94)	m-DICHLOROBENZENE	18.42	146	277718	9.22	PPBV		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52874.D Vial: 2
Acq On : 10 Dec 2015 7:30 am Operator: YOUMINH
Sample : CC2109-10 Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 08:58:45 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

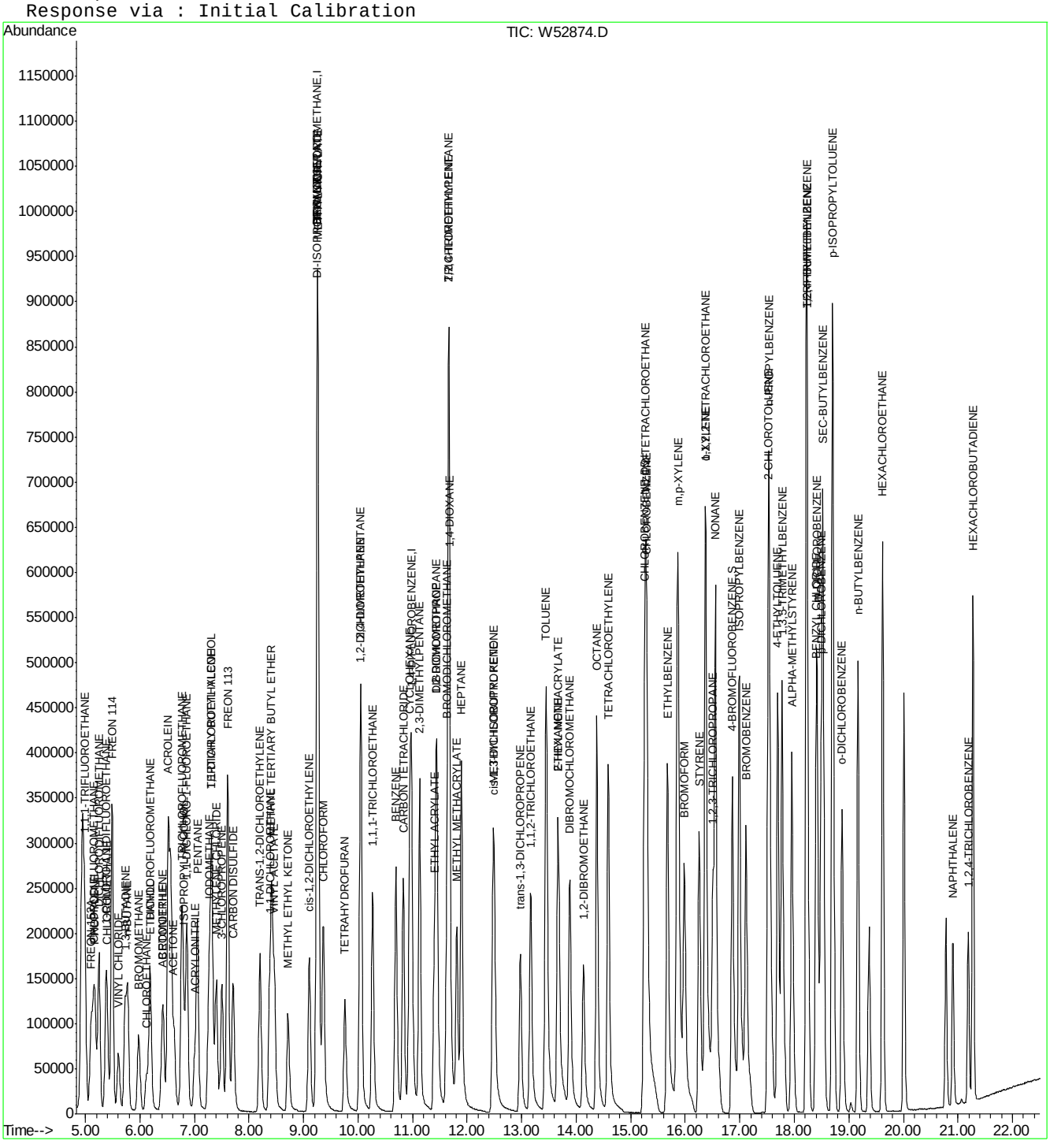
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	BENZYL CHLORIDE	18.39	91	347829	9.76	PPBV	98
96)	p-DICHLOROBENZENE	18.49	146	299619	9.48	PPBV	97
97)	SEC-BUTYLBENZENE	18.53	134	146188	9.49	PPBV	94
98)	p-ISOPROPYLTOLUENE	18.70	134	150150	9.66	PPBV	95
99)	o-DICHLOROBENZENE	18.87	146	265210	9.44	PPBV	99
100)	n-BUTYLBENZENE	19.17	134	126184	9.45	PPBV	93
101)	HEXACHLOROETHANE	19.62	201	187841	9.51	PPBV	96
102)	HEXACHLOROBUTADIENE	21.28	225	162246	8.34	PPBV	100
103)	1,2,4-TRICHLOROBENZENE	21.19	180	94996	7.02	PPBV	99
104)	NAPHTHALENE	20.91	128	221002	7.80	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52874.D Vial: 2
Acq On : 10 Dec 2015 7:30 am Operator: YOUMINH
Sample : CC2109-10 Inst : MSW
Misc : MS95273,VW2114,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 10 8:58 2015 Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52934.D Vial: 2
Acq On : 15 Dec 2015 10:33 am Operator: YOUMINH
Sample : CC2109-10 Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:00 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.25	128	119676	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	10.97	114	646942	10.00	PPBV	0.00
67) CHLOROBENZENE-D5	15.25	82	295800	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	16.86	95	334792	10.16	PPBV	0.00

Spiked Amount 10.000 Range 65 - 128 Recovery = 101.60%

Target Compounds						Qvalue
3) FREON 152A	5.10	65	91860	8.46	PPBV	95
4) CHLORODIFLUOROMETHANE	5.15	67	33579	8.98	PPBV	99
5) DICHLORODIFLUOROMETHANE	5.24	85	344786	8.13	PPBV	99
6) PROPYLENE	5.18	41	116844	7.78	PPBV	98
7) FREON 114	5.48	85	365961	8.10	PPBV	100
9) CHLOROMETHANE	5.40	52	40665	8.25	PPBV #	83
10) VINYL CHLORIDE	5.60	62	145754	8.33	PPBV	100
11) 1,3-BUTADIENE	5.72	54	113758	8.35	PPBV	93
12) n-BUTANE	5.77	58	32287	8.29	PPBV	98
13) BROMOMETHANE	5.97	94	129069	8.68	PPBV	99
14) CHLOROETHANE	6.11	64	78619	8.92	PPBV	95
15) DICHLOROFLUOROMETHANE	6.18	67	306288	9.10	PPBV	99
16) ACROLEIN	6.50	56	61265	9.54	PPBV	96
17) TRICHLOROFLUOROMETHANE	6.76	101	351869	9.46	PPBV	99
18) ISOPROPYL ALCOHOL	6.80	43	46897	11.20	PPBV #	90
19) ACETONE	6.61	58	69156	9.72	PPBV #	82
21) ACRYLONITRILE	7.00	53	111350	10.67	PPBV	99
22) PENTANE	7.05	57	39937	8.60	PPBV #	89
23) IODOMETHANE	7.26	142	353012	8.32	PPBV	96
24) 1,1-DICHLOROETHYLENE	7.30	96	138229	7.87	PPBV	90
25) CARBON DISULFIDE	7.70	76	390045	7.88	PPBV	97
26) ETHANOL	6.19	45	60238	9.55	PPBV	98
27) ACETONITRILE	6.40	41	109894	10.00	PPBV	97
28) BROMOETHENE	6.42	106	139311	9.18	PPBV #	99
29) METHYLENE CHLORIDE	7.40	84	122040	7.73	PPBV	94
30) 3-CHLOROPROPENE	7.49	76	68245	8.64	PPBV #	85
31) FREON 113	7.60	151	239062	8.56	PPBV	99
32) TRANS-1,2-DICHLOROETHYLENE	8.20	96	139045	7.89	PPBV	97
33) TERTIARY BUTYL ALCOHOL	7.31	59	319749	10.72	PPBV	97
34) METHYL TERTIARY BUTYL ETHE	8.41	73	415319	9.33	PPBV	98
35) TETRAHYDROFURAN	9.75	72	72863	9.80	PPBV	95
36) HEXANE	9.25	57	236237	8.56	PPBV	91
37) VINYL ACETATE	8.46	86	39785	9.68	PPBV #	76
38) 1,1-DICHLOROETHANE	8.37	63	259953	8.96	PPBV	100
39) METHYL ETHYL KETONE	8.71	72	71343	9.55	PPBV #	87
40) cis-1,2-DICHLOROETHYLENE	9.10	96	148648	8.13	PPBV	97
41) DI-ISOPROPYL ETHER	9.24	87	127495	9.28	PPBV	98
42) ETHYL ACETATE	9.25	61	47891	9.56	PPBV #	87
43) METHYL ACRYLATE	9.26	55	278826	9.71	PPBV	99
44) CHLOROFORM	9.36	83	277341	8.89	PPBV	97
45) 2,4-DIMETHYLPENTANE	10.05	57	280639	8.94	PPBV	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52934.D Vial: 2
Acq On : 15 Dec 2015 10:33 am Operator: YOUMINH
Sample : CC2109-10 Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:00 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,1,1-TRICHLOROETHANE	10.26	97	291288	9.25	PPBV		98
47)	CARBON TETRACHLORIDE	10.83	117	304161	9.17	PPBV		100
48)	1,2-DICHLOROETHANE	10.03	62	180482	10.15	PPBV		99
50)	BENZENE	10.69	78	460487	7.54	PPBV		99
51)	CYCLOHEXANE	10.94	84	205534	7.09	PPBV		96
52)	2,3-DIMETHYLPENTANE	11.12	71	105762	7.63	PPBV		96
53)	TRICHLOROETHYLENE	11.66	95	188645	7.31	PPBV		100
54)	DIBROMOMETHANE	11.42	174	177265	7.60	PPBV		100
55)	1,2-DICHLOROPROPANE	11.44	63	166883	7.85	PPBV		97
56)	ETHYL ACRYLATE	11.39	55	334408	8.96	PPBV		99
57)	BROMODICHLOROMETHANE	11.63	83	315747	7.97	PPBV		99
58)	2,2,4-TRIMETHYLPENTANE	11.66	57	763838	7.63	PPBV		99
59)	1,4-DIOXANE	11.67	88	94803	8.42	PPBV	#	36
60)	METHYL METHACRYLATE	11.80	69	171835	8.57	PPBV		95
61)	HEPTANE	11.89	43	280960	7.76	PPBV		95
62)	METHYL ISOBUTYL KETONE	12.49	43	332555	9.59	PPBV		96
63)	cis-1,3-DICHLOROPROPENE	12.47	75	272251	8.06	PPBV		90
64)	TOLUENE	13.44	92	329286	8.03	PPBV		98
65)	trans-1,3-DICHLOROPROPENE	12.97	75	217881	8.36	PPBV		93
66)	1,1,2-TRICHLOROETHANE	13.16	83	149473	8.08	PPBV		99
68)	ETHYL METHACRYLATE	13.66	69	278991	9.13	PPBV		99
69)	2-HEXANONE	13.67	58	175244	9.39	PPBV		91
70)	TETRACHLOROETHYLENE	14.58	164	217368	7.54	PPBV		99
71)	DIBROMOCHLOROMETHANE	13.88	129	317431	8.22	PPBV		100
72)	1,2-DIBROMOETHANE	14.13	107	255526	8.26	PPBV		99
73)	OCTANE	14.38	43	388583	8.33	PPBV		95
74)	1,1,1,2-TETRACHLOROETHANE	15.27	131	234268	8.53	PPBV	#	81
75)	CHLOROBENZENE	15.30	112	420613	7.99	PPBV		99
76)	ETHYLBENZENE	15.67	91	671572	8.20	PPBV		99
77)	m,p-XYLENE	15.86	106	553843	16.71	PPBV		96
78)	o-XYLENE	16.37	106	258586	8.52	PPBV		98
79)	STYRENE	16.25	104	415919	8.61	PPBV		99
80)	1,2,3-TRICHLOROPROPANE	16.51	75	275856	8.44	PPBV		99
81)	NONANE	16.55	43	404167	9.56	PPBV		96
82)	BROMOFORM	15.98	173	307193	8.61	PPBV		100
84)	1,1,2,2-TETRACHLOROETHANE	16.36	83	371354	8.74	PPBV		100
85)	ISOPROPYLBENZENE	16.98	105	775728	8.43	PPBV		99
86)	BROMOBENZENE	17.11	156	228903	8.47	PPBV		99
87)	2-CHLOROTOLUENE	17.51	126	181926	8.56	PPBV	#	85
88)	n-PROPYLBENZENE	17.54	120	206093	8.70	PPBV		98
89)	4-ETHYLTOLUENE	17.69	105	654667	8.79	PPBV		99
90)	1,3,5-TRIMETHYLBENZENE	17.77	105	628973	8.94	PPBV		98
91)	ALPHA-METHYLSTYRENE	17.95	118	286711	8.75	PPBV		98
92)	TERT-BUTYLBENZENE	18.22	134	149635	8.67	PPBV		97
93)	1,2,4-TRIMETHYLBENZENE	18.23	105	577571	9.12	PPBV		100
94)	m-DICHLOROBENZENE	18.42	146	332555	8.53	PPBV		98
95)	BENZYL CHLORIDE	18.39	91	416102	9.03	PPBV		99
96)	p-DICHLOROBENZENE	18.49	146	348392	8.52	PPBV		97
97)	SEC-BUTYLBENZENE	18.52	134	174254	8.74	PPBV		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52934.D Vial: 2
Acq On : 15 Dec 2015 10:33 am Operator: YOUMINH
Sample : CC2109-10 Inst : MSW
Misc : MS95682,VW2116,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 16 10:09:00 2015 Quant Results File: MW2109.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	p-ISOPROPYLTOLUENE	18.70	134	181536	9.03	PPBV	97
99)	o-DICHLOROBENZENE	18.87	146	315355	8.68	PPBV	99
100)	n-BUTYLBENZENE	19.17	134	155764	9.02	PPBV	99
101)	HEXACHLOROETHANE	19.62	201	232100	9.08	PPBV	99
102)	HEXACHLOROBUTADIENE	21.28	225	209702	8.33	PPBV	99
103)	1,2,4-TRICHLOROBENZENE	21.19	180	122672	7.01	PPBV	99
104)	NAPHTHALENE	20.90	128	282556	7.71	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

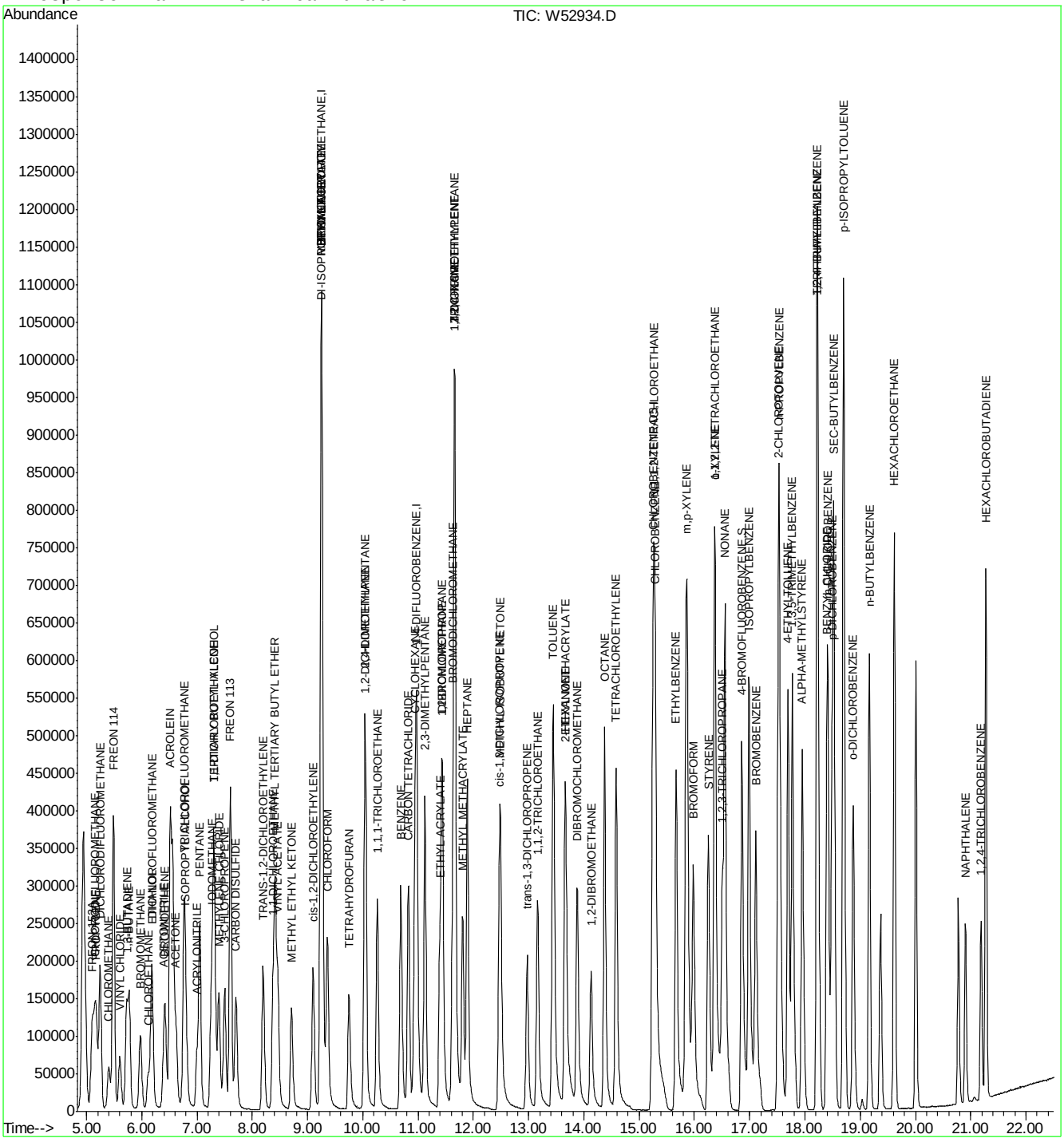
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W52934.D
Acq On : 15 Dec 2015 10:33 am
Sample : CC2109-10
Misc : MS95682,VW2116,,,,,1
MS Integration Params: rteint.p
Quant Time: Dec 16 10:20 2015

Vial: 2
Operator: YOUMINH
Inst : MSW
Multiplr: 1.00

Quant Results File: MW2109.RES

Method : C:\MSDCHEM\1\METHODS\MW2109.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 07 09:56:45 2015
Response via : Initial Calibration



TO-14/TO-15

ACCUTEST

Date: 11/5/15

Batch ID: V5W577

Analyst Signature: [signature]

Columns: RTX1 60m x 0.32mm x 1.0µm.

Method: SWTO15.m

Seq. File: 151105.s

Initial Cal. Method: V5W577.m

AS Data

Method: TO15.CTD

Standard Data

Lot #	Description	Conc.
AS6732	Int/Surr exp 12/2/15	100 ppbv

Standard Data

Lot #	Description	Conc.
AS6735	TO15 Std (A971) exp 12/5/15	40 ppbv
AS6736	TO15 Std (A968) exp 12/5/15	1.0 ppbv
AS6737	TO15 Std (A976) exp 12/5/15	0.4 ppbv
AS6734	TO15 LCS (A978) exp 12/5/15	40 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 11/6/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	SW14421	IB		A963	400						
1	SW14422	BFB		A963	400			✓	✓	ok	time 1148
1	SW14423	IC577-0.04		A976	40			✓	✓	ok	
2	SW14424	IC577-0.1		A968	40			✓	✓	ok	
2	SW14425	IC577-0.2		A968	80			✓	✓	ok	
2	SW14426	IC577-0.5		A968	200			✓	✓	ok	
3	SW14427	IC577-5		A971	50			✓	✓	ok	
3	SW14428	IC577-10		A971	100			✓	✓	ok	
3	SW14429	IC577-20		A971	200			✓	✓	ok	
3	SW14430	IC577-30		A971	300			✓	✓	ok	
3	SW14431	IC577-40		A971	400			✓	✓	ok	
4	SW14432	IB		A963	400						
4	SW14433	BFB		A963	400			✓	✓		
5	SW14434	ICV577-10		A978	100			✓	✓	ok	

[signature] 11/6/15

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

TO-14/TO-15

ACCUTEST

Batch ID: V5W602

Analyst Signature: [illegible]

Date: 12/10/15

Columns: ATX-1 60m x 0.32mm x 1.0µm
Method: 5WTO15.M
Seq. File: 151210.5
Initial Cal. Method: M5W577

AS Data

Method: TO15.CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS6735	TO15 STD	40ppbv
AS6743	TO15 LCS	40ppbv
AS6424	IS/Surr	100ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH Date: 12/18/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	5W15020	BFB		open position	400					not used	
2	5W15021	CC577-10		A971	100					RR	multiple compounds
2	5W15022	CC577-10		A971	100					NG	multiple compounds
1	5W15023	BFB		open position	400					OK	
2	5W15024	CC577-10		A971	100		✓	✓		OK	
3	5W15025	BS		A964	100		✓	✓		OK	
3	5W15026	BSD		A964	100		✓	✓		OK	
4	5W15027	IB		A963	400		✓	✓		not used	
4	5W15028	MB		A963	400		✓	✓		OK	
5	5W15029	JC8250-2		A615	100	1	✓	✓			
6	5W15030	JC10199-3	STD	A679	100	1	✓	✓		OK	
6	5W15031	JC10199-3DUP	M: ✓ 5682	A679	100	1	✓	✓		OK	
7	5W15032	SCC		A280	400		✓	✓		OK	
8	5W15033	JC10095-1	SL1	A606	10	1.48	✓	✓		OK	
9	5W15034	JC10095-2	✓	A1129	20	1.58	✓	✓		OK	
10	5W15035	JC10095-3	✓	A617	100	1.80	✓	✓		OK	
11	5W15036	JC10199-4	STD	A580	100	1	✓	✓		OK/DL	RR → Sonl
12	5W15037	JC10199-5	✓	A603, A520	100	1.25	✓	✓		OK	~~RR → Sonl~~ TH 12/16/15
13	5W15038	JC10199-6	✓	A728	100	1	✓	✓		OK/DL	RR Sonl
14	5W15039	SCC		A808	400		✓	✓		OK	
15	5W15040	JC10199-7	STD	A509	100	1	✓	↑		RR	RR
16	5W15041	JC10199-8	✓	A529	100		✓	✓		OK	
1	5W15042	JC10175-3	✓	A206	100		✓	✓		OK	
2	5W15043	JC10175-6	✓	A1056	100		✓	✓		OK	
3	5W15044	SCC		A904	400		✓	✓		OK	
4	5W15045	SCC		A208	400		✓	✓		OK	~~RR actual~~ OK TH 12/16/15
5	5W15046	SCC		A316	400		✓	✓		OK	
										TH	12/16/15

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

ACCUTEST

TO-14/TO-15

Batch ID: V5W613

Date: 12/23/15

Analyst Signature: [signature]

Columns: RTX-1 60m X 0.32mm X 1.0um
Method: SW TO15. M
Seq. File: 151223, S
Initial Cal. Method: M SW577

AS Data

Method: TO15. CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS6774	TO15 STD	40ppbv
AS6793	TO15 LCS	40ppbv
AS6770	IS/Surr.	100ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 12/24/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	SW15303	BFB		M311	400					not used	
1	SW15304	BFB		open position	400			✓	✓	ok	time 1139
2	SW15305	CC577-10		A971	100			✓	✓	ok	
3	SW15306	BS		A964	100			✓	✓	ok	
3	SW15307	BSD		A964	100			✓	✓	ok	
4	SW15308	IB		A963	100			✓	✓		
4	SW15309	MB		A963	400			✓	✓	ok	
5	SW15310	JC11092-4	8010	A501	100			✓	✓	ok	
6	SW15311	JC11092-3	✓	A566	20			✓	✓	ok/ok	
7	SW15312	JC11023-1	STD	A1179	100	1.55		✓	✓	ok/ok	
8	SW15313	JC11023-2	✓	A854	200	1		✓	✓	ok/ok	
9	SW15314	JC10916-8	✓	A856	200	1		✓	✓	ok/ok	
10	SW15315	JC10916-11	✓	A1168	40	1		✓	✓	ok/ok	
11	SW15316	JC10916-12	✓	M311	200	1		✓	✓	ok/ok	
12	SW15317	SCC		A624	400			✓	✓	ok	
13	SW15318	JC11091-1	STD	A682	100	1		✓	✓	ok	
13	SW15319	JC11091-1 DUP	✓	A682	100	1		✓	✓	ok	
14	SW15320	JC11091-2	✓	A541	100	1		✓	✓	ok	
15	SW15321	JC11091-3	✓	A1146	100	1		✓	✓	ok	
16	SW15322	JC11091-4	✓	A680	100	1		✓	✓	ok	
1	SW15323	JC11091-5	✓	A804	100	1		✓	✓	ok	
2	SW15324	JC11091-6	✓	A587	100	1		✓	✓	ok	
3	SW15325	~~JC10965-1~~ TH 12/24/15	✓	A447	400	1		✓	✓	ok	JC11160-1
4	SW15326	JC10964-6	✓	A405	100	1		✓	✓	ok/ok	RRP for 20ml

12/24/15

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error, # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

TO-14/TO-15

ACCUTEST

Batch ID: VW2109

Date: 12/4/15

Analyst Signature: [signature]

Columns: RTX-1 60M X0.32mm

Method: TO15W,M

Seq. File: W151204.S

Initial Cal. Method: MW2109.S

AS Data

Method: TO15,MPT

Standard Data

Lot #	Description	Conc.
AS 6758	IS/SURR	1000ppbv

Standard Data

Lot #	Description	Conc.
AS 6779	TO15 STD	40ppbv
AS 6780	TO15 STD	1.0ppbv
AS 6781	TO15 STD	0.4ppbv
AS 6782	TO15 LCS	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 12/7/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W52774	BFB		A297	100					on	
1	W52775	ICC2109-10		A967	100			/	/	on	
1	W52776	IC2109-5		A967	50			/	/	on	
2	W52777	IC2109-0.5		A968	200			/	/	on	
2	W52778	IC2109-0.2		A968	80			/	/	on	
1	W52779	IC2109-20		A967	200			/	/	on	
1	W52780	IC2109-15		A967	150			/	/	on	
5	W52781	IB		A297	100			/	/	—	
3	W52782	IC2109-0.1		A970	100			/	/	on	
3	W52783	IC2109-0.04		A970	40			/	/	on	
1	W52784	IC2109-30		A967	300			/	/	OK	
5	W52785	IB		A297	100			/	/	—	
1	W52786	IC2109-40		A967	400			/	/	OK	
5	W52787	IB		A297	100			/	/	—	
4	W52788	ICV2109-10		A973	100			/	/	not used	
4	W52789	ICV2109-10		A973	100			/	/	OK	

YH

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

133

7.8.4

7

TO-14/TO-15

ACCUTEST

Batch ID: VW2114

Date: 12/10/15

Analyst Signature: [illegible]

Columns: RTX-1 60m x ~~0.32mm~~ 0.32mm x 1.0µm

Method: T015W.M

Seq. File: W151210.5

Initial Cal. Method: MW2109

AS Data

Method: T015.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS6779	T015 STD	40 ppbv
AS6782	T015 LCS	40 ppbv
AS6758	IS/Surr	100 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible] Date: 12/14/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	W52873	BFB		open position	400					OK	
2	W52874	CC2109-10		A967	100			✓	✓	OK	
3	W52875	BS		A973	100			✓	✓	OK	
3	W52876	BSD		A973	100			✓	✓	OK	
4	W52877	IB		A962	100			✓	✓	—	
4	W52878	MB		A962	400			✓	✓	OK	
5	W52879	JC10137-3	STD	A1212,A324	20	1250		✓	✓	OK	
6	W52880	JC10137-4	✓	A1218,A823	20	250		✓	✓	OK	
7	W52881	JC10137-5	✓	A1250,A632	10	1000		✓	✓	RR	RR over cal
8	W52882	JC10137-6	✓	A1237,A716	10	1000		✓	✓	RR	RR over cal
9	W52883	JC10137-7	✓	A1217,A888	10	1000		✓	✓	RR	RR over cal
10	W52884	SCC		A456	400			✓	✓	RR ~~OK~~ YH	RR c/o
11	W52885	JC9628-3	STD	A275	400	1		✓	✓	OK	RR ~~2nd~~ 100ml, over cal
11	W52886	JC9628-3DUP	✓	A275	400	1		✓	✓	OK	
12	W52887	JC10137-2	STD	A1216,A790,A133	100 ~~200~~ 12/10	2000		✓	✓	OK	RR over cal 100ml
13	W52888	JC10198-1	SL	A415,A263	100 12/10	250		✓	✓	OK	RR over cal
14	W52889	JC10199-1	STD	A729	20	1		✓	✓	OK	
15	W52890	JC10199-2	↓	A803	20	1		✓	✓	OK	RR over cal
16	W52891	SCC		M037	400			✓	✓	OK	
1	W52892	SCC		M274	400			✓	✓	OK	
2	W52893	SCC		A879	400			✓	✓	OK	
3	W52894	SCC		A922	400			✓	✓	RR	many hits
10	W52895	SCC		A450	400			✓	✓	OK	
4	W52896	SCC		A569	400			✓	✓	OK	
						YH					

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
12/10/15	ML	JC10137-2	A1216, A790	—	—	50	A1133	1000	50	14.7	2000	40	2000
		JC10198-1	A415	4.0	1.2	1.25	A263	6000	50	9.8	14,000	200	250

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correction Error

Form: AT003-03
Rev. Date: 6/13/06

TO-14/TO-15

ACCUTEST

Batch ID: VW2116

Date: 12/15/15

Analyst Signature: [signature]

Columns: RTX-1 60M X0.32mm
Method: TO15W,M
Seq. File: W151215.S
Initial Cal. Method: MW2109

AS Data

Method: TO15,MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS6779	TO15STD	40ppbv
AS6782	TO15LCS	40ppbv
AS6758	IS/SURR	100ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 12/17/15

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	W52933	BFB		opomposition	400					OK	
2	W52934	CC2109-10		A967	100			✓	✓	OK	
3	W52935	BS		A973	100			✓	✓	OK	
3	W52936	BSD		A973	100			✓	✓	OK	
4	W52937	IB		A901	100			✓	✓	—	
4	W52938	MB		A901	400			✓	✓	OK	
5	W52939	JC10238-2	STD	A590,A1144	200	59.2		✓	✓	OK	
6	W52940	JC10568-1	STD+GC	A1073	100	1		✓	✓	OK	
7	W52941	JC10568-2	↓	A321	400	1		✓	✓	OK	
8	W52942	SCC		A497	400	1		✓	✓	OK	
9	W52943	JC10567-1	TCE,PCE	A601	100	1		✓	✓	OK	
10	W52944	JC10567-2	↓	A598	100	1		✓	✓	OK	
11	W52945	~~JC10568-1~~ YH	STD+GC	A837	100	1		✓	✓	OK	JC10566-1
12	W52946	~~JC10568-2~~ YH	↓	A349	240	2.40		✓	✓	OK	JC10566-2
12	W52947	~~JC10568-2Dup~~ YH	↓	A349	240	2.40		✓	✓	OK	JC10566-2Dup
13	W52948	~~JC10568-3~~ YH	↓	A645	100	1		✓	↑	OK	JC10566-3 RR20ml
14	W52949	JC10566-4	STD+GC	A648	293	2.93		✓	✓	OK	
15	W52950	JC10566-5	↓	A661	268	2.68		✓	✓	OK	
16	W52951	JC10566-6	↓	A765	400	1		✓	✓	OK	
1	W52952	SCC		A1151	400	1		✓	✓	OK	
2	W52953	JC10567-3	TCE,PCE	A1220	100	1		✓	✓	OK	
3	W52954	JC10567-4	↓	A1233	148	1.48		✓	✓	OK	
4	W52955	JC10567-5	↓	A1230	152	1.52		✓	✓	OK	
5	W52956	JC10623-1	STD+GC	A086	50	2.68		✓	✓	OK	RR20ml
6	W52957	JC10623-2	↓	A895	100	1		✓	✓	OK	
7	W52958	JC10623-3	↓	A487,A513	200	71.6		✓	✓	OK	RR40ml
8	W52959	JC10623-4	↓	A668	214	2.14		✓	✓	OK	
9	W52960	JC10623-5	↓	A131	100	1		✓	✓	OK	

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
12/15/15	YH	JC10238-2	A590	8	1.2	1.48	A1144	1000	50	14.7	2000	40	59.2
		JC10623-3	A487	12	1.1	1.79	A513	1000	50	14.7	2000	40	71.6

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correction Error

Form: AT003-03
Rev. Date: 6/13/06

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Appendix G

Laboratory Data Deliverables for Groundwater Analytical Data

New Jersey
ACCUTEST LABORATORIES

01/22/16

Effective January 1, 2016, SGS has acquired all of the assets of Accutest Laboratories and will continue to operate as SGS-Accutest. SGS-Accutest is part of SGS, the world's leading inspection, verification, testing and certification company.

Technical Report for

Equity Environmental Engineering

95 South 5th Street, Brooklyn, NY

2015059

Accutest Job Number: JC12052

Sampling Date: 01/05/16

Report to:

Equity Environmental Engineering

bob.jackson@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **69**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Sample Summary

Equity Environmental Engineering

Job No: JC12052

95 South 5th Street, Brooklyn, NY
Project No: 2015059

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC12052-1	01/05/16	10:12	FM	01/06/16	AQ	Ground Water	MW-4
JC12052-1F	01/05/16	10:12	FM	01/06/16	AQ	Groundwater Filtered	MW-4
JC12052-2	01/05/16	12:31	FM	01/06/16	AQ	Ground Water	MW-3
JC12052-2F	01/05/16	12:31	FM	01/06/16	AQ	Groundwater Filtered	MW-3
JC12052-3	01/05/16	13:50	FM	01/06/16	AQ	Field Blank Water	FB-1
JC12052-3F	01/05/16	13:50	FM	01/06/16	AQ	Field Blank Filtered	FB-1
JC12052-4	01/05/16	14:45	FU	01/06/16	AQ	Ground Water	MW-201
JC12052-4F	01/05/16	14:45	FU	01/06/16	AQ	Groundwater Filtered	MW-201
JC12052-5	01/05/16	14:35	FU	01/06/16	AQ	Ground Water	MW-2
JC12052-5F	01/05/16	14:35	FU	01/06/16	AQ	Groundwater Filtered	MW-2
JC12052-6	01/05/16	16:45	FU	01/06/16	AQ	Ground Water	MW-1
JC12052-6F	01/05/16	16:45	FU	01/06/16	AQ	Groundwater Filtered	MW-1
JC12052-7	01/05/16	16:45	FM	01/06/16	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Equity Environmental Engineering	**Job No**	JC12052
Site:	95 South 5th Street, Brooklyn, NY	**Report Date**	1/18/2016 4:50:02 PM

On 01/06/2016, 5 Sample(s), 1 Trip Blank(s) and 2 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 2.4 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC12052 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** VA8303

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC12052-1MS, JC12052-2DUP were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP90322

- All samples were extracted within the recommended method holding time.
- Sample(s) JC12052-1MS, JC12052-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Chloroaniline are outside of in house control limits for sample OP90322-MSD.

Extractables by GC By Method SW846 8081B

Matrix: AQ **Batch ID:** OP90318

- All samples were extracted within the recommended method holding time.
- Sample(s) JC12052-1MS, JC12052-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP90318-BS1 for Methoxychlor: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (20%) so using for confirmation only.

Extractables by GC By Method SW846 8082A

Matrix: AQ **Batch ID:** OP90319

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC12052-2MS, JC12052-2MSD were used as the QC samples indicated.
- OP90319-BS1 for Aroclor 1260: Reported from 2nd signal. %D of check calibration on 1st signal exceed method criteria (20%) so using for confirmation only.

Metals By Method SW846 6010C

Matrix: AQ	Batch ID: MP91468

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC12052-1MS, JC12052-1MSD, JC12052-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Cobalt, Lead, Selenium, Silver, Thallium, Vanadium, Zinc are outside control limits for sample MP91468-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP91468-MB1 for Beryllium: All reported results <RL or >10x MB value.

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP91473

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC12005-8MS, JC12005-8MSD were used as the QC samples for metals.

Matrix: AQ	Batch ID: MP91518

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC12053-1MS, JC12053-1MSD were used as the QC samples for metals.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC12052
Account: Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Collected: 01/05/16

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC12052-1	**MW-4**					
Chloroform		3.0	1.0	0.19	ug/l	SW846 8260C
Tetrachloroethene		64.7	1.0	0.40	ug/l	SW846 8260C
1,1,1-Trichloroethane		0.31 J	1.0	0.25	ug/l	SW846 8260C
Trichloroethene		5.8	1.0	0.22	ug/l	SW846 8260C
Aluminum		622	200		ug/l	SW846 6010C
Arsenic		8.0	3.0		ug/l	SW846 6010C
Cadmium		3.4	3.0		ug/l	SW846 6010C
Calcium		78700	5000		ug/l	SW846 6010C
Iron		1010	100		ug/l	SW846 6010C
Lead		5.5	3.0		ug/l	SW846 6010C
Magnesium		25500	5000		ug/l	SW846 6010C
Manganese		952	15		ug/l	SW846 6010C
Nickel		10.9	10		ug/l	SW846 6010C
Sodium		124000	10000		ug/l	SW846 6010C
JC12052-1F	**MW-4**					
Arsenic		3.7	3.0		ug/l	SW846 6010C
Calcium		76200	5000		ug/l	SW846 6010C
Magnesium		26100	5000		ug/l	SW846 6010C
Manganese		849	15		ug/l	SW846 6010C
Sodium		122000	10000		ug/l	SW846 6010C
JC12052-2	**MW-3**					
Chloroform		4.2	1.0	0.19	ug/l	SW846 8260C
1,1-Dichloroethene		1.1	1.0	0.51	ug/l	SW846 8260C
Tetrachloroethene		30.0	1.0	0.40	ug/l	SW846 8260C
1,1,1-Trichloroethane		0.80 J	1.0	0.25	ug/l	SW846 8260C
Trichloroethene		3.4	1.0	0.22	ug/l	SW846 8260C
bis(2-Ethylhexyl)phthalate		1.4 J	2.1	0.79	ug/l	SW846 8270D
Aluminum		4120	200		ug/l	SW846 6010C
Arsenic		7.9	3.0		ug/l	SW846 6010C
Calcium		53700	5000		ug/l	SW846 6010C
Chromium		13.6	10		ug/l	SW846 6010C
Iron		5930	100		ug/l	SW846 6010C
Lead		10.6	3.0		ug/l	SW846 6010C
Magnesium		12800	5000		ug/l	SW846 6010C
Manganese		828	15		ug/l	SW846 6010C
Nickel		12.8	10		ug/l	SW846 6010C
Sodium		48700	10000		ug/l	SW846 6010C
Zinc		23.8	20		ug/l	SW846 6010C

Summary of Hits

Job Number: JC12052
Account: Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Collected: 01/05/16

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC12052-2F	**MW-3**					
Arsenic		4.2	3.0		ug/l	SW846 6010C
Calcium		49800	5000		ug/l	SW846 6010C
Magnesium		11900	5000		ug/l	SW846 6010C
Manganese		567	15		ug/l	SW846 6010C
Sodium		46100	10000		ug/l	SW846 6010C
JC12052-3	**FB-1**					
No hits reported in this sample.						
JC12052-3F	**FB-1**					
No hits reported in this sample.						
JC12052-4	**MW-201**					
Chloroform		2.1	1.0	0.19	ug/l	SW846 8260C
1,1-Dichloroethene		0.57 J	1.0	0.51	ug/l	SW846 8260C
cis-1,2-Dichloroethene		0.51 J	1.0	0.27	ug/l	SW846 8260C
Tetrachloroethene		57.2	1.0	0.40	ug/l	SW846 8260C
1,1,1-Trichloroethane		0.74 J	1.0	0.25	ug/l	SW846 8260C
Trichloroethene		9.2	1.0	0.22	ug/l	SW846 8260C
Aluminum		1000	200		ug/l	SW846 6010C
Arsenic		4.3	3.0		ug/l	SW846 6010C
Calcium		66000	5000		ug/l	SW846 6010C
Iron		2340	100		ug/l	SW846 6010C
Lead		6.2	3.0		ug/l	SW846 6010C
Magnesium		21200	5000		ug/l	SW846 6010C
Manganese		239	15		ug/l	SW846 6010C
Sodium		105000	10000		ug/l	SW846 6010C
JC12052-4F	**MW-201**					
Arsenic		5.2	3.0		ug/l	SW846 6010C
Calcium		63400	5000		ug/l	SW846 6010C
Magnesium		21700	5000		ug/l	SW846 6010C
Manganese		136	15		ug/l	SW846 6010C
Sodium		105000	10000		ug/l	SW846 6010C
JC12052-5	**MW-2**					
Chloroform		2.3	1.0	0.19	ug/l	SW846 8260C
1,1-Dichloroethene		0.53 J	1.0	0.51	ug/l	SW846 8260C

Summary of Hits

Job Number: JC12052
Account: Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Collected: 01/05/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
cis-1,2-Dichloroethene		0.61 J	1.0	0.27	ug/l	SW846 8260C
Tetrachloroethene		58.0	1.0	0.40	ug/l	SW846 8260C
1,1,1-Trichloroethane		0.64 J	1.0	0.25	ug/l	SW846 8260C
Trichloroethene		8.7	1.0	0.22	ug/l	SW846 8260C
bis(2-Ethylhexyl)phthalate		3.8	2.0	0.77	ug/l	SW846 8270D
Aluminum		1480	200		ug/l	SW846 6010C
Arsenic		6.1	3.0		ug/l	SW846 6010C
Calcium		64500	5000		ug/l	SW846 6010C
Iron		2890	100		ug/l	SW846 6010C
Lead		5.9	3.0		ug/l	SW846 6010C
Magnesium		21000	5000		ug/l	SW846 6010C
Manganese		234	15		ug/l	SW846 6010C
Sodium		105000	10000		ug/l	SW846 6010C
JC12052-5F	**MW-2**					
Arsenic		3.9	3.0		ug/l	SW846 6010C
Calcium		60800	5000		ug/l	SW846 6010C
Magnesium		21100	5000		ug/l	SW846 6010C
Manganese		130	15		ug/l	SW846 6010C
Sodium		100000	10000		ug/l	SW846 6010C
JC12052-6	**MW-1**					
Chloroform		3.5	1.0	0.19	ug/l	SW846 8260C
1,1-Dichloroethane		0.53 J	1.0	0.17	ug/l	SW846 8260C
cis-1,2-Dichloroethene		3.7	1.0	0.27	ug/l	SW846 8260C
Tetrachloroethene		71.4	1.0	0.40	ug/l	SW846 8260C
1,1,1-Trichloroethane		0.56 J	1.0	0.25	ug/l	SW846 8260C
Trichloroethene		27.2	1.0	0.22	ug/l	SW846 8260C
bis(2-Ethylhexyl)phthalate		1.5 J	2.0	0.77	ug/l	SW846 8270D
Aluminum		988	200		ug/l	SW846 6010C
Arsenic		5.4	3.0		ug/l	SW846 6010C
Calcium		71000	5000		ug/l	SW846 6010C
Iron		1740	100		ug/l	SW846 6010C
Lead		4.4	3.0		ug/l	SW846 6010C
Magnesium		27000	5000		ug/l	SW846 6010C
Manganese		304	15		ug/l	SW846 6010C
Sodium		71700	10000		ug/l	SW846 6010C
JC12052-6F	**MW-1**					
Arsenic		4.8	3.0		ug/l	SW846 6010C
Calcium		72000	5000		ug/l	SW846 6010C
Iron		153	100		ug/l	SW846 6010C

Summary of Hits

Job Number: JC12052
Account: Equity Environmental Engineering
Project: 95 South 5th Street, Brooklyn, NY
Collected: 01/05/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		27600	5000		ug/l	SW846 6010C
Manganese		290	15		ug/l	SW846 6010C
Selenium		12.0	10		ug/l	SW846 6010C
Sodium		71700	10000		ug/l	SW846 6010C

JC12052-7 **TRIP BLANK**

No hits reported in this sample.

New Jersey

ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JC12052-1	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A219284.D	1	01/11/16	NH	n/a	n/a	VA8303
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	3.0	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.52	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JC12052-1	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.9	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	64.7	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	0.31	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	5.8	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		73-122%
2037-26-5	Toluene-D8	94%		84-119%
460-00-4	4-Bromofluorobenzene	92%		78-117%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JC12052-1	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M80596.D	1	01/07/16	AN	01/07/16	OP90322	E2M3516
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.94	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.1	0.88	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.83	ug/l	
	3&4-Methylphenol	ND	2.0	0.68	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	1.4	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	5.1	1.5	ug/l	
108-95-2	Phenol	ND	2.0	0.32	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	1.5	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.29	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.24	ug/l	
98-86-2	Acetophenone	ND	2.0	0.28	ug/l	
120-12-7	Anthracene	ND	1.0	0.25	ug/l	
1912-24-9	Atrazine	ND	2.0	0.42	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.34	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.32	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.34	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.32	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.41	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.37	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.37	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.27	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.26	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.23	ug/l	
86-74-8	Carbazole	ND	1.0	0.30	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JC12052-1	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.43	ug/l	
218-01-9	Chrysene	ND	1.0	0.35	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.35	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.29	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.27	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.27	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.54	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.73	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.37	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.79	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.29	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.32	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.78	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.23	ug/l	
86-73-7	Fluorene	ND	1.0	0.30	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.43	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.30	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.39	ug/l	
78-59-1	Isophorone	ND	2.0	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.29	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	0.21	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.24	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.35	ug/l	
91-20-3	Naphthalene	ND	1.0	0.29	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.47	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.32	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.30	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.23	ug/l	
129-00-0	Pyrene	ND	1.0	0.34	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		14-88%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JC12052-1	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	34%		10-110%
118-79-6	2,4,6-Tribromophenol	84%		39-149%
4165-60-0	Nitrobenzene-d5	86%		32-128%
321-60-8	2-Fluorobiphenyl	91%		35-119%
1718-51-0	Terphenyl-d14	99%		10-126%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JC12052-1	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G63909.D	1	01/07/16	DS	01/06/16	OP90318	G4G1677
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0061	0.0029	ug/l	
319-84-6	alpha-BHC	ND	0.0061	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.0061	0.0026	ug/l	
319-86-8	delta-BHC	ND	0.0061	0.0032	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0061	0.0028	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0061	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0061	0.0029	ug/l	
60-57-1	Dieldrin	ND	0.0061	0.0020	ug/l	
72-54-8	4,4'-DDD	ND	0.0061	0.0029	ug/l	
72-55-9	4,4'-DDE	ND	0.0061	0.0027	ug/l	
50-29-3	4,4'-DDT	ND	0.0061	0.0029	ug/l	
72-20-8	Endrin	ND	0.0061	0.0022	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0061	0.0029	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0061	0.0032	ug/l	
53494-70-5	Endrin ketone	ND	0.0061	0.0023	ug/l	
959-98-8	Endosulfan-I	ND	0.0061	0.0022	ug/l	
33213-65-9	Endosulfan-II	ND	0.0061	0.0026	ug/l	
76-44-8	Heptachlor	ND	0.0061	0.0029	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0061	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.012	0.0022	ug/l	
8001-35-2	Toxaphene	ND	0.15	0.088	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		26-132%
877-09-8	Tetrachloro-m-xylene	68%		26-132%
2051-24-3	Decachlorobiphenyl	74%		10-118%
2051-24-3	Decachlorobiphenyl	71%		10-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JC12052-1	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G52376.D	1	01/07/16	CC	01/06/16	OP90319	G5G1247
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.30	0.12	ug/l	
11104-28-2	Aroclor 1221	ND	0.30	0.19	ug/l	
11141-16-5	Aroclor 1232	ND	0.30	0.16	ug/l	
53469-21-9	Aroclor 1242	ND	0.30	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.30	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.30	0.040	ug/l	
11096-82-5	Aroclor 1260	ND	0.30	0.092	ug/l	
11100-14-4	Aroclor 1268	ND	0.30	0.074	ug/l	
37324-23-5	Aroclor 1262	ND	0.30	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		10-161%
877-09-8	Tetrachloro-m-xylene	80%		10-161%
2051-24-3	Decachlorobiphenyl	83%		10-137%
2051-24-3	Decachlorobiphenyl	94%		10-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JC12052-1	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	622	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Arsenic	8.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	01/14/16	01/15/16	MS	SW846 6010C [3]	SW846 3010A [4]
Cadmium	3.4	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Calcium	78700	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Iron	1010	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Lead	5.5	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Magnesium	25500	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Manganese	952	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	01/11/16	01/11/16	VM	SW846 7470A [1]	SW846 7470A [5]
Nickel	10.9	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Sodium	124000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA38481
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38517
(4) Prep QC Batch: MP91468
(5) Prep QC Batch: MP91473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JC12052-1F	**Date Sampled:**	01/05/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Arsenic	3.7	3.0	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Calcium	76200	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Magnesium	26100	5000	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Manganese	849	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	01/11/16	01/11/16	VM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Sodium	122000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA38481
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38507
(4) Prep QC Batch: MP91468
(5) Prep QC Batch: MP91473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC12052-2	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A219285.D	1	01/11/16	NH	n/a	n/a	VA8303
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	4.2	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	1.1	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.52	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC12052-2	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.9	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	30.0	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	0.80	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	3.4	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		73-122%
2037-26-5	Toluene-D8	96%		84-119%
460-00-4	4-Bromofluorobenzene	90%		78-117%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC12052-2	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M80597.D	1	01/07/16	AN	01/07/16	OP90322	E2M3516
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	0.96	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.2	0.90	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.84	ug/l	
	3&4-Methylphenol	ND	2.1	0.69	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	5.2	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.32	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.5	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.29	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.25	ug/l	
98-86-2	Acetophenone	ND	2.1	0.28	ug/l	
120-12-7	Anthracene	ND	1.0	0.25	ug/l	
1912-24-9	Atrazine	ND	2.1	0.43	ug/l	
100-52-7	Benzaldehyde	ND	5.2	0.35	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.32	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.34	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.42	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.28	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.26	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.31	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.24	ug/l	
86-74-8	Carbazole	ND	1.0	0.30	ug/l	

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC12052-2	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.44	ug/l	
218-01-9	Chrysene	ND	1.0	0.36	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.35	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.29	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.28	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.27	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.55	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.74	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.38	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.28	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.81	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.30	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.32	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.4	2.1	0.79	ug/l	J
206-44-0	Fluoranthene	ND	1.0	0.24	ug/l	
86-73-7	Fluorene	ND	1.0	0.30	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.44	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.38	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.30	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.23	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.40	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.30	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.22	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.25	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.35	ug/l	
91-20-3	Naphthalene	ND	1.0	0.29	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.48	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.32	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.30	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.24	ug/l	
129-00-0	Pyrene	ND	1.0	0.35	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		14-88%

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Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC12052-2	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	30%		10-110%
118-79-6	2,4,6-Tribromophenol	72%		39-149%
4165-60-0	Nitrobenzene-d5	72%		32-128%
321-60-8	2-Fluorobiphenyl	77%		35-119%
1718-51-0	Terphenyl-d14	85%		10-126%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC12052-2	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G63912.D	1	01/07/16	DS	01/06/16	OP90318	G4G1677
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0061	0.0029	ug/l	
319-84-6	alpha-BHC	ND	0.0061	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.0061	0.0026	ug/l	
319-86-8	delta-BHC	ND	0.0061	0.0032	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0061	0.0028	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0061	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0061	0.0029	ug/l	
60-57-1	Dieldrin	ND	0.0061	0.0020	ug/l	
72-54-8	4,4'-DDD	ND	0.0061	0.0029	ug/l	
72-55-9	4,4'-DDE	ND	0.0061	0.0027	ug/l	
50-29-3	4,4'-DDT	ND	0.0061	0.0029	ug/l	
72-20-8	Endrin	ND	0.0061	0.0022	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0061	0.0029	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0061	0.0032	ug/l	
53494-70-5	Endrin ketone	ND	0.0061	0.0023	ug/l	
959-98-8	Endosulfan-I	ND	0.0061	0.0022	ug/l	
33213-65-9	Endosulfan-II	ND	0.0061	0.0026	ug/l	
76-44-8	Heptachlor	ND	0.0061	0.0029	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0061	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.012	0.0022	ug/l	
8001-35-2	Toxaphene	ND	0.15	0.088	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		26-132%
877-09-8	Tetrachloro-m-xylene	58%		26-132%
2051-24-3	Decachlorobiphenyl	45%		10-118%
2051-24-3	Decachlorobiphenyl	44%		10-118%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC12052-2	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G52377.D	1	01/07/16	CC	01/06/16	OP90319	G5G1247
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.30	0.12	ug/l	
11104-28-2	Aroclor 1221	ND	0.30	0.19	ug/l	
11141-16-5	Aroclor 1232	ND	0.30	0.16	ug/l	
53469-21-9	Aroclor 1242	ND	0.30	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.30	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.30	0.040	ug/l	
11096-82-5	Aroclor 1260	ND	0.30	0.092	ug/l	
11100-14-4	Aroclor 1268	ND	0.30	0.074	ug/l	
37324-23-5	Aroclor 1262	ND	0.30	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		10-161%
877-09-8	Tetrachloro-m-xylene	68%		10-161%
2051-24-3	Decachlorobiphenyl	52%		10-137%
2051-24-3	Decachlorobiphenyl	58%		10-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC12052-2	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4120	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Arsenic	7.9	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 1.0	1.0	ug/l	1	01/14/16	01/15/16	MS	SW846 6010C [4]	SW846 3010A [5]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Calcium	53700	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Chromium	13.6	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Iron	5930	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Lead	10.6	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Magnesium	12800	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Manganese	828	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.20	0.20	ug/l	1	01/11/16	01/11/16	VM	SW846 7470A [1]	SW846 7470A [6]
Nickel	12.8	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Sodium	48700	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Zinc	23.8	20	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [5]

(1) Instrument QC Batch: MA38481
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38507
(4) Instrument QC Batch: MA38517
(5) Prep QC Batch: MP91468
(6) Prep QC Batch: MP91473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC12052-2F	**Date Sampled:**	01/05/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Arsenic	4.2	3.0	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Calcium	49800	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Magnesium	11900	5000	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Manganese	567	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	01/11/16	01/11/16	VM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Sodium	46100	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA38481
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38507
(4) Prep QC Batch: MP91468
(5) Prep QC Batch: MP91473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC12052-3	**Date Sampled:**	01/05/16
Matrix:	AQ - Field Blank Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A219286.D	1	01/11/16	NH	n/a	n/a	VA8303
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.52	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC12052-3	**Date Sampled:**	01/05/16
Matrix:	AQ - Field Blank Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.9	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		76-120%
17060-07-0	1,2-Dichloroethane-D4	94%		73-122%
2037-26-5	Toluene-D8	97%		84-119%
460-00-4	4-Bromofluorobenzene	89%		78-117%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC12052-3	**Date Sampled:**	01/05/16
Matrix:	AQ - Field Blank Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M80598.D	1	01/07/16	AN	01/07/16	OP90322	E2M3516
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.93	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	0.87	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.82	ug/l	
	3&4-Methylphenol	ND	2.0	0.67	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.4	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	5.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.31	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.29	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.24	ug/l	
98-86-2	Acetophenone	ND	2.0	0.28	ug/l	
120-12-7	Anthracene	ND	1.0	0.25	ug/l	
1912-24-9	Atrazine	ND	2.0	0.42	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.34	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.32	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.33	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.32	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.41	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.37	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.37	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.27	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.26	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.23	ug/l	
86-74-8	Carbazole	ND	1.0	0.29	ug/l	

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Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC12052-3	**Date Sampled:**	01/05/16
Matrix:	AQ - Field Blank Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.43	ug/l	
218-01-9	Chrysene	ND	1.0	0.35	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.34	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.28	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.27	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.26	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.32	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.72	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.37	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.79	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.29	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.24	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.31	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.77	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.23	ug/l	
86-73-7	Fluorene	ND	1.0	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.42	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.36	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.29	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.38	ug/l	
78-59-1	Isophorone	ND	2.0	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.29	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.21	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.24	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.34	ug/l	
91-20-3	Naphthalene	ND	1.0	0.28	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.46	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.29	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.23	ug/l	
129-00-0	Pyrene	ND	1.0	0.34	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		14-88%

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Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC12052-3	**Date Sampled:**	01/05/16
Matrix:	AQ - Field Blank Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	33%		10-110%
118-79-6	2,4,6-Tribromophenol	79%		39-149%
4165-60-0	Nitrobenzene-d5	82%		32-128%
321-60-8	2-Fluorobiphenyl	85%		35-119%
1718-51-0	Terphenyl-d14	97%		10-126%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC12052-3	**Date Sampled:**	01/05/16
Matrix:	AQ - Field Blank Water	**Date Received:**	01/06/16
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G63913.D	1	01/07/16	DS	01/06/16	OP90318	G4G1677
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0061	0.0029	ug/l	
319-84-6	alpha-BHC	ND	0.0061	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.0061	0.0026	ug/l	
319-86-8	delta-BHC	ND	0.0061	0.0032	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0061	0.0028	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0061	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0061	0.0029	ug/l	
60-57-1	Dieldrin	ND	0.0061	0.0020	ug/l	
72-54-8	4,4'-DDD	ND	0.0061	0.0029	ug/l	
72-55-9	4,4'-DDE	ND	0.0061	0.0027	ug/l	
50-29-3	4,4'-DDT	ND	0.0061	0.0029	ug/l	
72-20-8	Endrin	ND	0.0061	0.0022	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0061	0.0029	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0061	0.0032	ug/l	
53494-70-5	Endrin ketone	ND	0.0061	0.0023	ug/l	
959-98-8	Endosulfan-I	ND	0.0061	0.0022	ug/l	
33213-65-9	Endosulfan-II	ND	0.0061	0.0026	ug/l	
76-44-8	Heptachlor	ND	0.0061	0.0029	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0061	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.012	0.0022	ug/l	
8001-35-2	Toxaphene	ND	0.15	0.088	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		26-132%
877-09-8	Tetrachloro-m-xylene	59%		26-132%
2051-24-3	Decachlorobiphenyl	24%		10-118%
2051-24-3	Decachlorobiphenyl	25%		10-118%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC12052-3	**Date Sampled:**	01/05/16
Matrix:	AQ - Field Blank Water	**Date Received:**	01/06/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G52382.D	1	01/07/16	CC	01/06/16	OP90319	G5G1247
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.30	0.12	ug/l	
11104-28-2	Aroclor 1221	ND	0.30	0.19	ug/l	
11141-16-5	Aroclor 1232	ND	0.30	0.16	ug/l	
53469-21-9	Aroclor 1242	ND	0.30	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.30	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.30	0.040	ug/l	
11096-82-5	Aroclor 1260	ND	0.30	0.092	ug/l	
11100-14-4	Aroclor 1268	ND	0.30	0.074	ug/l	
37324-23-5	Aroclor 1262	ND	0.30	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		10-161%
877-09-8	Tetrachloro-m-xylene	69%		10-161%
2051-24-3	Decachlorobiphenyl	27%		10-137%
2051-24-3	Decachlorobiphenyl	33%		10-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC12052-3	**Date Sampled:**	01/05/16
Matrix:	AQ - Field Blank Water	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Calcium	< 5000	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Magnesium	< 5000	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Manganese	< 15	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	01/11/16	01/11/16	VM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Sodium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]

(1) Instrument QC Batch: MA38481
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38506
(4) Prep QC Batch: MP91468
(5) Prep QC Batch: MP91473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JC12052-3F	**Date Sampled:**	01/05/16
Matrix:	AQ - Field Blank Filtered	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Calcium	< 5000	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Magnesium	< 5000	5000	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Manganese	< 15	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	01/12/16	01/12/16	VM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Sodium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA38493
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38507
(4) Prep QC Batch: MP91468
(5) Prep QC Batch: MP91518

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-201		
Lab Sample ID:	JC12052-4	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A219294.D	1	01/11/16	NH	n/a	n/a	VA8303
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	2.1	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	0.57	1.0	0.51	ug/l	J
156-59-2	cis-1,2-Dichloroethene	0.51	1.0	0.27	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.52	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-201		
Lab Sample ID:	JC12052-4	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.9	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	57.2	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	0.74	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	9.2	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	94%		84-119%
460-00-4	4-Bromofluorobenzene	89%		78-117%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-201		
Lab Sample ID:	JC12052-4	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M80611.D	1	01/07/16	SD	01/07/16	OP90322	E2M3517
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.93	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	0.87	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.82	ug/l	
	3&4-Methylphenol	ND	2.0	0.67	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.4	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	5.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.31	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.29	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.24	ug/l	
98-86-2	Acetophenone	ND	2.0	0.28	ug/l	
120-12-7	Anthracene	ND	1.0	0.25	ug/l	
1912-24-9	Atrazine	ND	2.0	0.42	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.34	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.32	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.33	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.32	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.41	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.37	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.37	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.27	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.26	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.23	ug/l	
86-74-8	Carbazole	ND	1.0	0.29	ug/l	

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-201		
Lab Sample ID:	JC12052-4	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.43	ug/l	
218-01-9	Chrysene	ND	1.0	0.35	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.34	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.28	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.27	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.26	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.32	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.72	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.37	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.79	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.29	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.24	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.31	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.77	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.23	ug/l	
86-73-7	Fluorene	ND	1.0	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.42	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.36	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.29	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.38	ug/l	
78-59-1	Isophorone	ND	2.0	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.29	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.21	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.24	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.34	ug/l	
91-20-3	Naphthalene	ND	1.0	0.28	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.46	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.29	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.23	ug/l	
129-00-0	Pyrene	ND	1.0	0.34	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		14-88%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-201		
Lab Sample ID:	JC12052-4	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	29%		10-110%
118-79-6	2,4,6-Tribromophenol	68%		39-149%
4165-60-0	Nitrobenzene-d5	70%		32-128%
321-60-8	2-Fluorobiphenyl	73%		35-119%
1718-51-0	Terphenyl-d14	80%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-201		
Lab Sample ID:	JC12052-4	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G63914.D	1	01/07/16	DS	01/06/16	OP90318	G4G1677
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0061	0.0029	ug/l	
319-84-6	alpha-BHC	ND	0.0061	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.0061	0.0026	ug/l	
319-86-8	delta-BHC	ND	0.0061	0.0032	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0061	0.0028	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0061	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0061	0.0029	ug/l	
60-57-1	Dieldrin	ND	0.0061	0.0020	ug/l	
72-54-8	4,4'-DDD	ND	0.0061	0.0029	ug/l	
72-55-9	4,4'-DDE	ND	0.0061	0.0027	ug/l	
50-29-3	4,4'-DDT	ND	0.0061	0.0029	ug/l	
72-20-8	Endrin	ND	0.0061	0.0022	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0061	0.0029	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0061	0.0032	ug/l	
53494-70-5	Endrin ketone	ND	0.0061	0.0023	ug/l	
959-98-8	Endosulfan-I	ND	0.0061	0.0022	ug/l	
33213-65-9	Endosulfan-II	ND	0.0061	0.0026	ug/l	
76-44-8	Heptachlor	ND	0.0061	0.0029	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0061	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.012	0.0022	ug/l	
8001-35-2	Toxaphene	ND	0.15	0.088	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		26-132%
877-09-8	Tetrachloro-m-xylene	59%		26-132%
2051-24-3	Decachlorobiphenyl	49%		10-118%
2051-24-3	Decachlorobiphenyl	48%		10-118%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-201		
Lab Sample ID:	JC12052-4	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G52383.D	1	01/07/16	CC	01/06/16	OP90319	G5G1247
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.30	0.12	ug/l	
11104-28-2	Aroclor 1221	ND	0.30	0.19	ug/l	
11141-16-5	Aroclor 1232	ND	0.30	0.16	ug/l	
53469-21-9	Aroclor 1242	ND	0.30	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.30	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.30	0.040	ug/l	
11096-82-5	Aroclor 1260	ND	0.30	0.092	ug/l	
11100-14-4	Aroclor 1268	ND	0.30	0.074	ug/l	
37324-23-5	Aroclor 1262	ND	0.30	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		10-161%
877-09-8	Tetrachloro-m-xylene	70%		10-161%
2051-24-3	Decachlorobiphenyl	55%		10-137%
2051-24-3	Decachlorobiphenyl	66%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-201		
Lab Sample ID:	JC12052-4	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1000	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Arsenic	4.3	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Calcium	66000	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Iron	2340	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Lead	6.2	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Magnesium	21200	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Manganese	239	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	01/11/16	01/11/16	VM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Sodium	105000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA38481
(2) Instrument QC Batch: MA38498
(3) Prep QC Batch: MP91468
(4) Prep QC Batch: MP91473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-201		
Lab Sample ID:	JC12052-4F	**Date Sampled:**	01/05/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Arsenic	5.2	3.0	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Calcium	63400	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Magnesium	21700	5000	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Manganese	136	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	01/12/16	01/12/16	VM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Sodium	105000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA38493
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38507
(4) Prep QC Batch: MP91468
(5) Prep QC Batch: MP91518

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JC12052-5	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A219295.D	1	01/11/16	NH	n/a	n/a	VA8303
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	2.3	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	0.53	1.0	0.51	ug/l	J
156-59-2	cis-1,2-Dichloroethene	0.61	1.0	0.27	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.52	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JC12052-5	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.9	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	58.0	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	0.64	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	8.7	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		76-120%
17060-07-0	1,2-Dichloroethane-D4	97%		73-122%
2037-26-5	Toluene-D8	96%		84-119%
460-00-4	4-Bromofluorobenzene	93%		78-117%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JC12052-5	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M80600.D	1	01/07/16	AN	01/07/16	OP90322	E2M3516
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.93	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	0.87	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.82	ug/l	
	3&4-Methylphenol	ND	2.0	0.67	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.4	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	5.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.31	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.29	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.24	ug/l	
98-86-2	Acetophenone	ND	2.0	0.28	ug/l	
120-12-7	Anthracene	ND	1.0	0.25	ug/l	
1912-24-9	Atrazine	ND	2.0	0.42	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.34	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.32	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.33	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.32	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.41	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.37	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.37	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.27	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.26	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.23	ug/l	
86-74-8	Carbazole	ND	1.0	0.29	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JC12052-5	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.43	ug/l	
218-01-9	Chrysene	ND	1.0	0.35	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.34	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.28	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.27	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.26	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.32	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.72	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.37	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.79	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.29	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.24	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.31	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.8	2.0	0.77	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.23	ug/l	
86-73-7	Fluorene	ND	1.0	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.42	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.36	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.29	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.38	ug/l	
78-59-1	Isophorone	ND	2.0	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.29	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.21	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.24	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.34	ug/l	
91-20-3	Naphthalene	ND	1.0	0.28	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.46	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.29	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.23	ug/l	
129-00-0	Pyrene	ND	1.0	0.34	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		14-88%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JC12052-5	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	33%		10-110%
118-79-6	2,4,6-Tribromophenol	75%		39-149%
4165-60-0	Nitrobenzene-d5	79%		32-128%
321-60-8	2-Fluorobiphenyl	84%		35-119%
1718-51-0	Terphenyl-d14	86%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JC12052-5	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G63915.D	1	01/07/16	DS	01/06/16	OP90318	G4G1677
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0061	0.0029	ug/l	
319-84-6	alpha-BHC	ND	0.0061	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.0061	0.0026	ug/l	
319-86-8	delta-BHC	ND	0.0061	0.0032	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0061	0.0028	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0061	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0061	0.0029	ug/l	
60-57-1	Dieldrin	ND	0.0061	0.0020	ug/l	
72-54-8	4,4'-DDD	ND	0.0061	0.0029	ug/l	
72-55-9	4,4'-DDE	ND	0.0061	0.0027	ug/l	
50-29-3	4,4'-DDT	ND	0.0061	0.0029	ug/l	
72-20-8	Endrin	ND	0.0061	0.0022	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0061	0.0029	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0061	0.0032	ug/l	
53494-70-5	Endrin ketone	ND	0.0061	0.0023	ug/l	
959-98-8	Endosulfan-I	ND	0.0061	0.0022	ug/l	
33213-65-9	Endosulfan-II	ND	0.0061	0.0026	ug/l	
76-44-8	Heptachlor	ND	0.0061	0.0029	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0061	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.012	0.0022	ug/l	
8001-35-2	Toxaphene	ND	0.15	0.088	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		26-132%
877-09-8	Tetrachloro-m-xylene	59%		26-132%
2051-24-3	Decachlorobiphenyl	49%		10-118%
2051-24-3	Decachlorobiphenyl	48%		10-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JC12052-5	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G52384.D	1	01/07/16	CC	01/06/16	OP90319	G5G1247
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.30	0.12	ug/l	
11104-28-2	Aroclor 1221	ND	0.30	0.19	ug/l	
11141-16-5	Aroclor 1232	ND	0.30	0.16	ug/l	
53469-21-9	Aroclor 1242	ND	0.30	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.30	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.30	0.040	ug/l	
11096-82-5	Aroclor 1260	ND	0.30	0.092	ug/l	
11100-14-4	Aroclor 1268	ND	0.30	0.074	ug/l	
37324-23-5	Aroclor 1262	ND	0.30	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		10-161%
877-09-8	Tetrachloro-m-xylene	72%		10-161%
2051-24-3	Decachlorobiphenyl	54%		10-137%
2051-24-3	Decachlorobiphenyl	63%		10-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JC12052-5	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1480	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Arsenic	6.1	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Calcium	64500	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Iron	2890	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Lead	5.9	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Magnesium	21000	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Manganese	234	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	01/11/16	01/11/16	VM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Sodium	105000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA38481
(2) Instrument QC Batch: MA38498
(3) Prep QC Batch: MP91468
(4) Prep QC Batch: MP91473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JC12052-5F	**Date Sampled:**	01/05/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Arsenic	3.9	3.0	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Calcium	60800	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Magnesium	21100	5000	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Manganese	130	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	01/12/16	01/12/16	VM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Sodium	100000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA38493
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38507
(4) Prep QC Batch: MP91468
(5) Prep QC Batch: MP91518

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC12052-6	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A219296.D	1	01/11/16	NH	n/a	n/a	VA8303
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	3.5	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	0.53	1.0	0.17	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.7	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.52	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC12052-6	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.9	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	71.4	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	0.56	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	27.2	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	94%		84-119%
460-00-4	4-Bromofluorobenzene	91%		78-117%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC12052-6	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M80601.D	1	01/07/16	AN	01/07/16	OP90322	E2M3516
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.93	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	0.87	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.82	ug/l	
	3&4-Methylphenol	ND	2.0	0.67	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.4	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	5.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.31	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.29	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.24	ug/l	
98-86-2	Acetophenone	ND	2.0	0.28	ug/l	
120-12-7	Anthracene	ND	1.0	0.25	ug/l	
1912-24-9	Atrazine	ND	2.0	0.42	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.34	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.32	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.33	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.32	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.41	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.37	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.37	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.27	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.26	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.23	ug/l	
86-74-8	Carbazole	ND	1.0	0.29	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC12052-6	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.43	ug/l	
218-01-9	Chrysene	ND	1.0	0.35	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.34	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.28	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.27	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.26	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.32	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.72	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.37	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.79	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.29	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.24	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.31	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.5	2.0	0.77	ug/l	J
206-44-0	Fluoranthene	ND	1.0	0.23	ug/l	
86-73-7	Fluorene	ND	1.0	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.42	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.36	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.29	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.38	ug/l	
78-59-1	Isophorone	ND	2.0	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.29	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.21	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.24	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.34	ug/l	
91-20-3	Naphthalene	ND	1.0	0.28	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.46	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.29	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.23	ug/l	
129-00-0	Pyrene	ND	1.0	0.34	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		14-88%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC12052-6	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	30%		10-110%
118-79-6	2,4,6-Tribromophenol	78%		39-149%
4165-60-0	Nitrobenzene-d5	83%		32-128%
321-60-8	2-Fluorobiphenyl	88%		35-119%
1718-51-0	Terphenyl-d14	93%		10-126%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC12052-6	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G63916.D	1	01/07/16	DS	01/06/16	OP90318	G4G1677
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0061	0.0029	ug/l	
319-84-6	alpha-BHC	ND	0.0061	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.0061	0.0026	ug/l	
319-86-8	delta-BHC	ND	0.0061	0.0032	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0061	0.0028	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0061	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0061	0.0029	ug/l	
60-57-1	Dieldrin	ND	0.0061	0.0020	ug/l	
72-54-8	4,4'-DDD	ND	0.0061	0.0029	ug/l	
72-55-9	4,4'-DDE	ND	0.0061	0.0027	ug/l	
50-29-3	4,4'-DDT	ND	0.0061	0.0029	ug/l	
72-20-8	Endrin	ND	0.0061	0.0022	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0061	0.0029	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0061	0.0032	ug/l	
53494-70-5	Endrin ketone	ND	0.0061	0.0023	ug/l	
959-98-8	Endosulfan-I	ND	0.0061	0.0022	ug/l	
33213-65-9	Endosulfan-II	ND	0.0061	0.0026	ug/l	
76-44-8	Heptachlor	ND	0.0061	0.0029	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0061	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.012	0.0022	ug/l	
8001-35-2	Toxaphene	ND	0.15	0.088	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	49%		26-132%
877-09-8	Tetrachloro-m-xylene	45%		26-132%
2051-24-3	Decachlorobiphenyl	45%		10-118%
2051-24-3	Decachlorobiphenyl	45%		10-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC12052-6	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G52385.D	1	01/07/16	CC	01/06/16	OP90319	G5G1247
Run #2							

	Initial Volume	Final Volume
Run #1	330 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.30	0.12	ug/l	
11104-28-2	Aroclor 1221	ND	0.30	0.19	ug/l	
11141-16-5	Aroclor 1232	ND	0.30	0.16	ug/l	
53469-21-9	Aroclor 1242	ND	0.30	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.30	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.30	0.040	ug/l	
11096-82-5	Aroclor 1260	ND	0.30	0.092	ug/l	
11100-14-4	Aroclor 1268	ND	0.30	0.074	ug/l	
37324-23-5	Aroclor 1262	ND	0.30	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	53%		10-161%
877-09-8	Tetrachloro-m-xylene	53%		10-161%
2051-24-3	Decachlorobiphenyl	50%		10-137%
2051-24-3	Decachlorobiphenyl	60%		10-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC12052-6	**Date Sampled:**	01/05/16
Matrix:	AQ - Ground Water	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	988	200	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Arsenic	5.4	3.0	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 1.0	1.0	ug/l	1	01/14/16	01/15/16	MS	SW846 6010C [4]	SW846 3010A [5]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Calcium	71000	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Iron	1740	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Lead	4.4	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Magnesium	27000	5000	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [5]
Manganese	304	15	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [5]
Mercury	< 0.20	0.20	ug/l	1	01/11/16	01/11/16	VM	SW846 7470A [1]	SW846 7470A [6]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Sodium	71700	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA38481
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38507
(4) Instrument QC Batch: MA38517
(5) Prep QC Batch: MP91468
(6) Prep QC Batch: MP91473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC12052-6F	**Date Sampled:**	01/05/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	01/06/16
		Percent Solids:	n/a
Project:	95 South 5th Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Arsenic	4.8	3.0	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Calcium	72000	5000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Iron	153	100	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Magnesium	27600	5000	ug/l	1	01/09/16	01/13/16	BS	SW846 6010C [3]	SW846 3010A [4]
Manganese	290	15	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	01/12/16	01/12/16	VM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Selenium	12.0	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Sodium	71700	10000	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 2.0	2.0	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	01/09/16	01/12/16	BS	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA38493
(2) Instrument QC Batch: MA38498
(3) Instrument QC Batch: MA38507
(4) Prep QC Batch: MP91468
(5) Prep QC Batch: MP91518

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JC12052-7	**Date Sampled:**	01/05/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A219297.D	1	01/11/16	NH	n/a	n/a	VA8303
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.52	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JC12052-7	**Date Sampled:**	01/05/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/06/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	95 South 5th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.9	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		73-122%
2037-26-5	Toluene-D8	94%		84-119%
460-00-4	4-Bromofluorobenzene	90%		78-117%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JC12052

Client / Reporting Information

Company Name: Equity Environmental Engineering
Street Address: 500 International Drive, Suite 130
City: Mt. Olive State: NJ Zip: 07828
Project Contact: Bob Jackson E-mail: Bob Jackson@equityenvironmental.com
Phone #: 973-527-7451 Fax #: 973-858-0280
Sampler(s) Name(s): Aaron Moser → 201-341-1323; Frank Urilov → 973-527-7451

Project Information

Project Name: LPC Development
Street: 95-105 S. 5th St.
City: Brooklyn State: NY
Project # 2015059
Client Purchase Order # 2015059
Project Manager: Bob Jackson

Billing Information (if different from Report to)

Company Name: SAME
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WE - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Pesticides	PCB	Metals	Dissolved Metals - Filtered in Field.	VOCs	SVOCs		2x 500mL Field filtered 1/6/16				LAB USE ONLY
1F	MW-4		1/5/16	1012	FM	GW	9	3		2		4				X	X	X	X	X	X						E3
2F	MW-3		1/5/16	1231	FM	GW	9	3		2		4				X	X	X	X	X	X						A30
3F	FB-1		1/5/16	1350	FM	FB	8	2		2		4				X	X	X	X	X	X						V196
4F	MW-201		1/5/16	1445	FM	GW	9	3		2		4				X	X	X	X	X	X						
5F	MW-2		1/5/16	1435	FM	GW	9	3		2		4				X	X	X	X	X	X						
6F	MW-1		1/5/16	1645	FM	GW	9	3		2		4				X	X	X	X	X	X						
7	Trip Blank		1/4/16	0800	LAB	TB	2	2												X							

INITIAL ASSESSMENT 3A
LABEL VERIFICATION

Turnaround Time (Business days)

- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Date of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

No Paper copy of report needed
only electronic please.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	1/6/16 0950	1	2	1/6/16 1310	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # 312 814	Intact / Not Intact	Preserved where applicable

On Ice: ☒ Cooler Temp. 2.0°C-B

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JC12052: Chain of Custody
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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JC12052 **Client:** **Project:**

Date / Time Received: 1/6/2016 1:10:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0); Cooler 2: (1.0);

Cooler Temps (Corrected) °C: Cooler 1: (2.4); Cooler 2: (1.4);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	2	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

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JC12052: Chain of Custody

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